



Compressed Air and Gas Filtration Products

Catalog 1300-300-06/USA



Finite[®]



We are dedicated to fulfilling your compressed air filtration requirements. We know that every application requires specific needs and we have the products ready to address them.

If you can't find a specific compressed air/gas filter, dryer, or accessory in this catalog, call 1-800-521-4357. Our knowledgeable technical assistance department will be happy to assist you!

Inquires via e-mail are also encouraged. E-mail inquiries to finitefilter@parker.com. We can provide solutions that will remove contaminants such as oil, water and particulate from your compressed air and gas lines, saving you time and money!



WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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BASICS OF COALESCING

Q. What is co-alescing fil-tra-tion?

co-alescing fil-tra-tion: A steady state process whereby aerosols are caused to agglomerate (come together) into even larger droplets as they pass through the filter element's fiber matrix, eventually becoming large enough to be gravitationally drained away.

Q. Why filter compressed air?

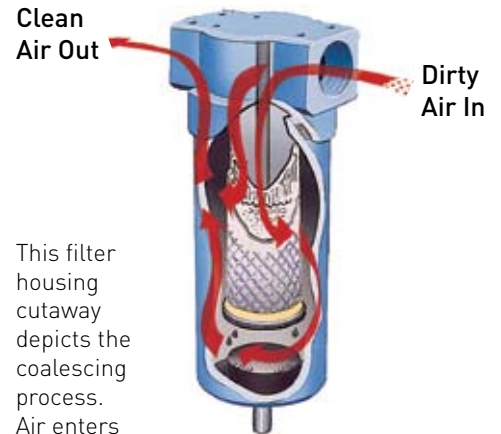
A. **Submicronic contaminants in compressed air systems can:**

- plug orifices of sensitive pneumatic instrumentation
- wear out seals
- erode system components
- reduce the absorptive capacity of desiccant air/gas dehydrators
- foul heat transfer surfaces
- reduce air tool efficiency

The results include:

- product rejects
- lost production time
- increased maintenance costs

For example, trace amounts of submicronic oil can cause serious fish eye blemishing in automotive finishing operations. Water left in air lines can freeze during exposure to cold, blocking flow or rupturing pipes. Compressor lubricant not captured in a coalescing filter will eventually collect in pneumatic components, causing premature component repair or replacement. Environmental concerns will be raised if oily, compressed air is continually discharged into the atmosphere through a pneumatic muffler.



This filter housing cutaway depicts the coalescing process. Air enters the housing and flows through the filter media passing from the inside element surface to the outside. Coalesced liquid collects in the housing where it is drained and clean air exits the housing through the outlet port.

Have More Questions?

Request a free copy of **Finite's** Basics of Coalescing - Bulletin 1300-700/USA.

Call 1-800-521-4357 or see it online at www.finitefilter.com.



Finite's colorful, 28-page handbook is intended to familiarize the user with all aspects of coalescing filtration from the basics to advanced theory and concept.

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High Pressure & CNG Filters	Pages 35-38  Dual Stage BA-Series (Bulletin 1300-905/USA)	Pages 39-46  Micro-Series (Bulletin 1300-450/USA)
	<ul style="list-style-type: none"> • Coalescer/adsorber combination unit • Pressures to 500 PSIG • Connections from 1/4" to 1" NPT • Flows up to 75 SCFM 	<ul style="list-style-type: none"> • PTFE Membrane elements • 316 Stainless steel housings • Connections from 1" NPT to 6" flange • 0.01 Micron absolute
High Pressure & CNG Filters	Pages 63-90  High Pressure Filters (Bulletin 1300-997/USA)	Pages 72-73  M-Series
	<ul style="list-style-type: none"> • CNG and alternative fuel filters • Pressures to 6000 PSIG • Ductile iron, stainless steel and aluminum housings • Variety of filter medias available 	<ul style="list-style-type: none"> • Pressures to 800 PSIG • Connections from 1/2" to 2" NPT, BSPT & BSPF • Use with specialty gases • Variety of filter medias available
Dryers	Pages 80-82  J-Series	Page 88  High Pressure Drains
	<ul style="list-style-type: none"> • CNG, alternative fuel and breathing air filters • Pressures to 5000 PSIG • Ductile iron and nodular cast iron • Coalescing, particulate and adsorption 	<ul style="list-style-type: none"> • Safely drain condensate • Pressures to 6000 PSIG • Directly connect to J-Series and SJ-Series • Drain contaminants at pressure
Dryers	Pages 131-134  FDD Desiccant Dryers (Bulletin 1300-850/USA)	Pages 135-140  Membrane Dryers (Bulletin 1300-800/USA)
	<ul style="list-style-type: none"> • For point-of-use and OEM applications • Pressure dewpoints down to -40° F • Connections from 1/4" to 1" NPT • Ideal for intermittent flows 	<ul style="list-style-type: none"> • Compressed air hollow fiber membrane dryers • Dewpoints as low as -40°F • Connections from 1/4" to 1/2" NPT • Flows up to 40 SCFM
Accessories	Pages 181-185  Accessories (Bulletin 1300-150/USA)	Page 186  Oil/Water Indicators (Bulletin 1300-650/USA)
	<ul style="list-style-type: none"> • Differential pressure gauges • Float, solenoid and zero air loss drains • Mounting brackets and adapter kits • Find out where these accessories are used 	<ul style="list-style-type: none"> • Disposable indicator detects oil or water • Element changes to red to indicate • Connection: 1/8" NPT • Replacement elements available
Accessories	Pages 187-188  Zero Loss Drain (Bulletin 1300-350/USA)	Pages 189-190  Drip Legs (Bulletin 1300-155/USA)
	<ul style="list-style-type: none"> • Conserve energy • Connection: 1/2" NPT • Pressure range: 12 - 250 PSIG • Adjusts to all common power sources 	<ul style="list-style-type: none"> • Remove liquid contamination at pressure • Available with various drain options • Provides additional sump capacity • Pressures to 250 PSIG

Pages 47-60



Instrumentation and Gas Sampling Filters (Bulletin 1300-694/USA)

- Stainless steel, aluminum & plastic housings
- Clear bowls available
- Connections from 1/8" to 2" NPT
- Pressures to 5000 PSIG

Page 58



Disposable in-line filters

- Point-of-use filters
- Pressures to 100 PSIG
- Standard hose connections
- Hosebarb options available

Pages 61-62

Steam Filter (Bulletin 1300-250/USA)



- Produce high quality steam
- Pressures to 125 PSIG
- Connection: 1" NPT
- Max. flow rate: 400lbs/hr

Pages 91-116



Filter, Lubricator, Regulator (Bulletin 1300-703-3/USA)

- Two and three unit combos
- Metal and polycarbonate bowls available
- Pressures to 250 PSIG
- Connections from 1/8" to 1 1/2" NPT

Pages 117-124



Stainless Steel FRL (Bulletin 1300-775/USA)

- 316 Stainless steel housings
- Pressures to 300 PSIG
- Connections from 1/4" to 1/2" NPT
- Ideal for corrosive environments

Pages 125-126



Exhaust Coalescing Silencer (Bulletin 1300-993C)

- Eliminates oil mist from pneumatic Exhaust
- Removable sump collects oil
- Connections: 1/2" & 1" NPT
- 25 dBA Noise attenuation

Pages 127-130



Vacuum Pump Exhaust Filters (Bulletin 1300-310/USA)

- Eliminate 99.9% oil mist and smoke
- Easily adapts to most vacuum pumps
- Connections from 1/2" to 3" NPT
- Flows to 200 CFM

Pages 141-180

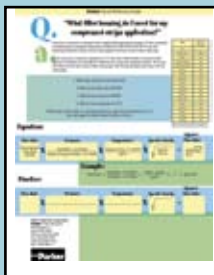
Par-Fit Conversion Elements (Bulletin 1300-500-1/USA)

- Coalescing, particulate and adsorption
- Offers UNI-cast Finite advantage
- Over 2500 interchanges available



Pages 191-192

Finite Sizing Equation (Bulletin 1300-QRG-1)



- Learn how to find the correct size H-Series or ASME filter for your application
- All you need to know is your application's flow rate, operating pressure and temperature

Page 193

Finite Gas Compatibility Chart (Bulletin 1300-QRG-2)



- Learn which gases are compatible with Finite's different product lines
- Finite filters can be used for specialty gases such as nitrogen and methane

Page 194 Offer of Sale

Page 195 About Parker Hannifin Corporation

Instrumentation and Steam Filter

FRL's & Vacuum Exhaust Filters

Par-Fit Conversion Elements

Technical Information

Facts and Conversions:

Pressure:

1 bar = 14.5 pounds per square inch (PSI)

1 PSI = 27.686 inches of water (H₂O)

1 PSI = 2.036 inches of Mercury (Hg)

Temperature:

32°Fahrenheit = 0° Celcius

°C = (°F-32)5/9

Length:

1000 millimeters = 100 centimeters = 1 meter

1 meter = 39.27 inches = 3.281 feet

1 foot = 30.48 centimeters

1 inch = 2.54 centimeters

1 micron (μm) = 10⁻⁶ meters = one millionth of a meter

25.4 μm = .001 inch

Volumetric Flow Rate:

1 cubic meter per second (m³/s) = 2118.9 feet cubed per minute (ft³/min)

1 ft³/_{min} = 28.3 liters/_{min}

1 cubic meter per hour (m³/hr) = 1.7 standard cubic feet per minute

Mass:

1 pound = 453.59 grams = 0.45359 kilograms

1 pound = 16 ounces

1 ounce = 28.349 grams

Density:

$$\text{Density} = \frac{\text{Mass (m)}}{\text{Volume (V)}}$$

www.finitefilter.com

finitefilter@parker.com



International H-Series

Compressed Air & Gas Filters

- Coalescing, Particulate & Hydrocarbon Adsorption
- Flows from 10 to 1600 SCFM (17 to 2822 m³/hr)
- 1/4" to 3" NPT, BSPF & BSPT Ports

Compressed Air
and Gas Filters

Bulletin 1300 - 993C/USA



Finite[®]

Do you have... product rejects? Increased maintenance expense?

Contaminants from your compressor going into point of use applications?

Why filter compressed air and gas?

Submicronic contaminants in compressed air systems plug orifices of sensitive pneumatic instrumentation, wear out seals, erode system components, reduce the absorptive capacity of desiccant air/gas dehydrators, foul heat transfer surfaces, reduce air tool efficiency, and damage finished

products. The results include product rejects, lost production time and increased maintenance expense.

For example, trace amounts of submicronic oil can cause serious fish eye blemishing in automotive finishing operations. Water left in air lines can freeze during exposure to cold temperatures, blocking flow

or rupturing pipes. Compressor lubricant not captured in a coalescing filter will eventually collect in pneumatic components, causing premature component repair or replacement. Environmental concerns will be raised if oily, compressed air is continually discharged into the atmosphere

Why use Finite Filters?

SAVE TIME AND MONEY

Finite Filter's International H-Series is the right solution for most compressed air/gas applications. Our filter elements are formed with our special UNI-CAST glass microfibers to enhance the depth-loading characteristics of each element's fiber matrix. This design provides lower pressure drops and less frequent change outs, saving you time and money.

WE MEET YOUR NEEDS

With our wide variety of media, you can find a product to meet your specific requirements. This will avoid over-specifying filtration efficiency.

IMPROVE OPERATION LIFE

We make liberal use of a special prefilter, prolonging operation life on some coalescers from 4 to 6 times.

CONFIDENCE IN PERFORMANCE

Our filter housings have been specifically designed for coalescing filtration. Generous exit ports promote lower pressure drops and large remote sump areas prevent fluid re-entrainment. With Finite's H-Series product line, you can have confidence in performance.



Finite's H-Series Offers...

- Coalescing, particulate and adsorption filter elements
- Optional indicators, gauges and drains
- Temperatures to 450° F (232° C)
- Pressures to 500 PSIG (34 bar)
- Connection sizes from 1/4" to 3" NPT, BSPF & BSPT
- Flows from 10 to 1600 SCFM (17-2822 m³/hr)

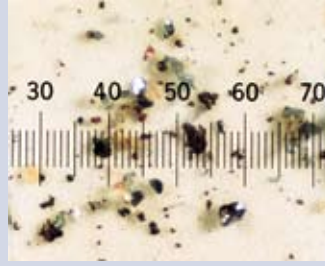
oil



water



solids



Actual pictomicrograph of particulate contaminants
(Magnified 100x Scale: 1 division = 20 microns (µm))

The contaminants of greatest concern in precision compressed air systems are water, oil and solids. Water vapor is present in all compressed air; it becomes greatly concentrated by the compression process. While air dryer systems can be used effectively to remove water from compressed air, they will not remove the second major liquid contaminant – oil. Most oil comes from compressor lubrication carry-over, but even

the air produced by oil-free compressors has hydrocarbon contamination brought into the system through the intake.

The third contaminant found in compressed air is solid matter including dirt, rust and scale. Solid particulates, combined with aerosols of water and oil, can clog and shorten the life of air system components and can foul processes.



Typical Applications

(See Pages 10-11 for application and air cleanliness schematics)

Coalescing (Oil Removal)

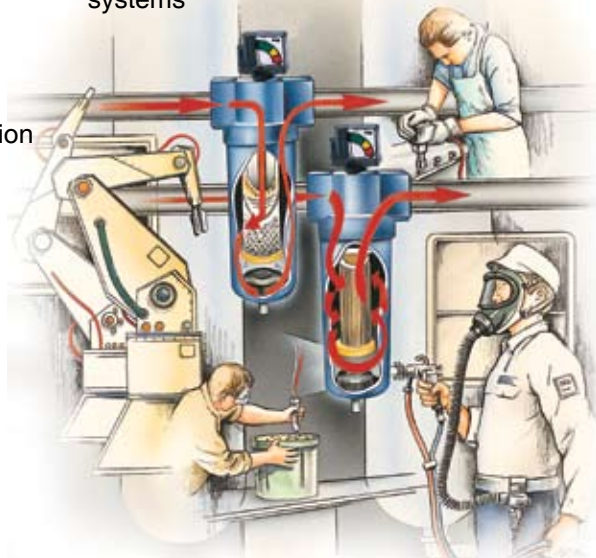
- Air dryer prefilter
- Paint spray booths
- Breathing air
- Tool protection
- Air valve protection
- Air cylinder protection
- Compressed air system protection

Adsorber (Vapor Removal)

- Odor removal
- Breathing air
- Food packaging equipment
- High purity laboratory gases
- Hydrocarbon vapor removal

Interceptor (Particulate Removal)

- Desiccant dryer afterfilter
- Prefilter for coalescer
- Systems with high concentrations of solid contaminant
- Particulate protection for non-lubricated systems



4 Steps to clean, dry compressed air!

Compressed Air and Gas Filters

Step 1

Determine your application, media grade, media type and end seals.
Pages 10-13

Step 2

Choose your housing and replacement elements.
Pages 14

Step 3

Choose your accessories. Find out what's standard or choose what's best for your application.
Page 15

Step 4

How to Order. Build your own part number here!
Page 16

Does one of these applications

describe your system?

From aeration in pharmaceutical and chemical processes to pneumatic power systems, the possibilities for applications are endless. Finite has some suggested air cleanliness standards that may fit your needs. Let one of Finite's application engineers find a system that is right for you.

quality

International Standard ISO8573-1 is fast becoming the industry standard method for specifying compressed air cleanliness. The following diagrams describe various systems in terms of their corresponding ISO classification.

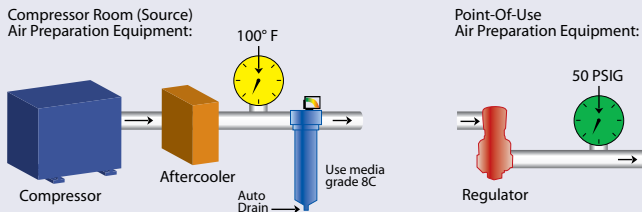
International ISO Standards Notification as specified in ISO8573 - 1					
Class	Solid		Water		Oil
	Maximum particle size	Maximum Concentration* ppm(mg/m ³)	Maximum Pressure Dewpoint °F (°C)	Maximum Concentration** ppm(mg/m ³)	
1	0.1	0.08 (0.1)	-94 (-70)	0.008 (0.01)	
2	1	0.8 (1)	-40 (-40)	0.08 (0.1)	
3	5	4.2 (5)	-4 (-20)	0.83 (1)	
4	15	6.7 (8)	37 (+3)	4.2 (5)	
5	40	8.3 (10)	45 (+7)	21 (25)	
6	-	-	50 (+10)	-	-

* At 14.7 psi (1 bar) absolute pressure, +70°F (+20°C) and a relative humidity of 60%. It should be noted that at pressures above atmospheric, the contaminant concentration is higher.

Notes:

1. The quality of the air delivered by non-lubricated compressors is influenced by the quality of the intake air and the compressor design.

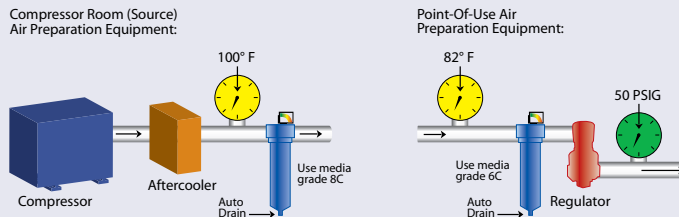
ISO Class 2 3



Any compressor with aftercooler. Air intended for use with lubricated air tools, air motors, cylinders, shot blasting, non-frictional valves.

OTHER SPECS MET: Compressed Air & Gas Institute: CGA – G7.1 (Grades A & Ba1)

ISO Class 1 1

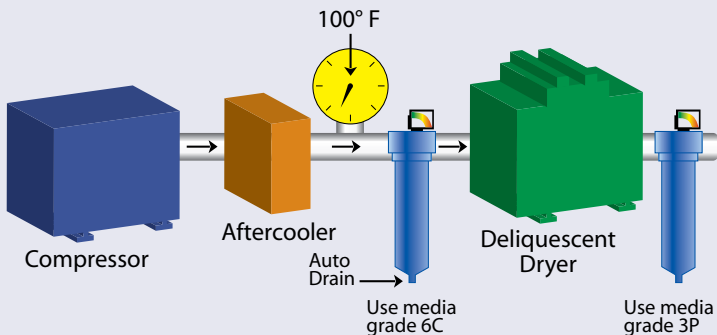


Any compressor with aftercooler and 2-stage coalescing. Air intended for use with lubricated control valves, cylinders and parts blow-down, etc.

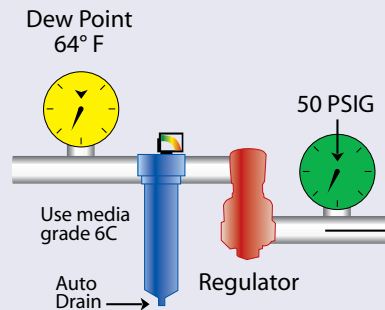
OTHER SPECS MET: Mil. Std. 282 H.E.P.A., U.S.P.H.S. 3A Accepted particles for milk

ISO Class 1 1

Compressor Room (Source) Air Preparation Equipment:



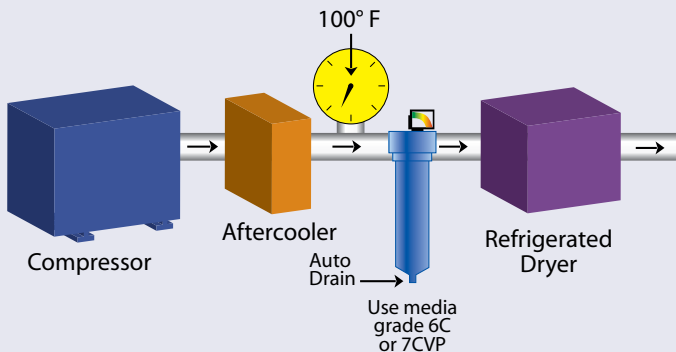
Point-Of-Use Air Preparation Equipment:



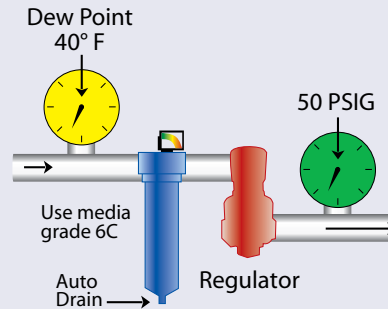
Any compressor with aftercooler, 2-stage coalescing and deliquescent dryer. Air intended for use with general pneumatic systems, body shop spray painting and components sensitive to high moisture content.

OTHER SPECS MET: Compressed Air & Gas Institute: CGA – G7.1 (Grade C)

Compressor Room (Source)
Air Preparation Equipment:



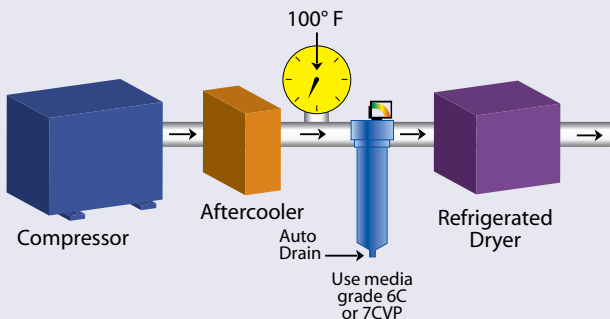
Point-Of-Use
Air Preparation Equipment:



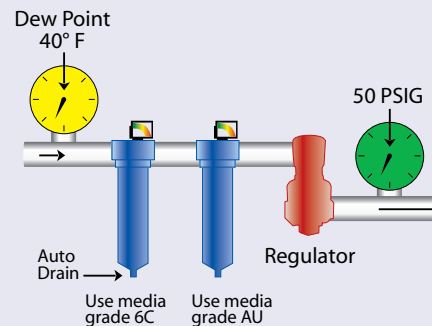
Any compressor with aftercooler, 2-stage coalescing and refrigerated dryer. Air intended for use with air-gauging, air conveyors, spray-painting, food processing, instrumentation, blow molding, cosmetics, film processing, bottling, pharmaceuticals, dairy, breweries, medical, robotics and close tolerance valves.

SPECS MET: CGA – G7.1 (Grades D & E), ISAS7.3 Fed. Std. 209 (Class 100)

Compressor Room (Source)
Air Preparation Equipment:



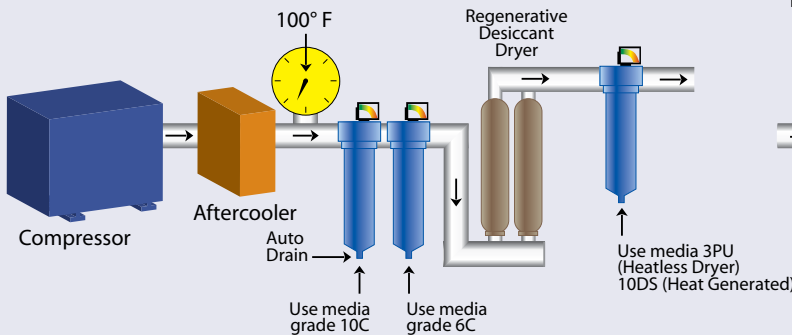
Point-Of-Use
Air Preparation Equipment:



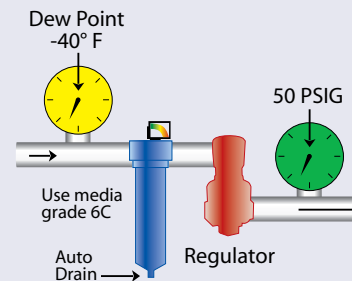
Any compressor with aftercooler, 2-stage coalescing, refrigerated dryer and carbon absorber. Air intended for use as industrial breathing air and decompression chambers. CAUTION: Always use high temperature synthetic lubricants and monitor (alarm for carbon monoxide concentrations exceeding 20ppm). This system will not eliminate toxic gases!

OTHER SPECS MET: O.S.H.A. 29CFR 1910.134

Compressor Room (Source)
Air Preparation Equipment:



Point-Of-Use
Air Preparation Equipment:



Any compressor with aftercooler, two-stage and double coalescing and a regenerative-type desiccant dryer. Air intended for use in applications involving rapid expansion of compressed air, critical instrumentation, high purity gases, computer chip drying, etc. CAUTION: This air is too dry for respiratory use.

SPECS MET: CGA – G7.1 (Grade F)

Step 1

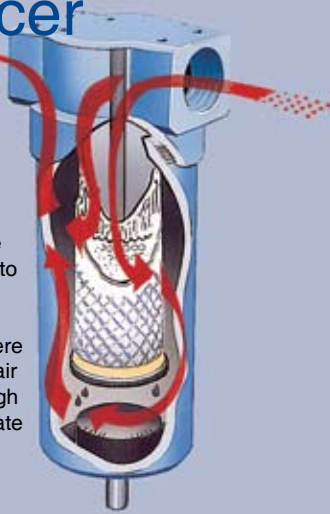
Determine your application, media grade, media type and end seals.

Find your (or similar) application in the descriptions below, from the basic application circuits on the previous page, or consult a **Finite®** application engineer. Determine media grade, media type and end seal required. If your application requires a coalescing element, use the information listed below. For other media types, please see the following page.

Coalescing (Liquid and Particulate Removal) Filter Media

How does a coalescer work?

This filter housing cutaway depicts the coalescing process. Air enters the housing and flows through the filter media passing from the inside element surface to the outside. Coalesced liquid (water and oil) collects in the bowl where it is drained and clean air exits the housing through the outlet port. Particulate contaminants are captured and held in the media.



Coalescing elements are wrapped in color netting corresponding to media grades below, or will have the media grade printed on the element.

Media Grade
Media Type
End Seal
4

APPLICATIONS: Very high-efficiency coalescer; for elevated pressures up to **500 PSIG** (34 bar) or when removing aerosols from lighter weight gases. Protection of pneumatic systems and critical modulating systems such as flow and temperature controllers.

STANDARD

6

APPLICATIONS: General air coalescing applications when total removal of liquid aerosols and suspended fines is required in all pressure ranges. Protection of air dryers, air gauging, air logic, modulating systems, critical air conveying, most breathing air systems, etc.

7CVP

APPLICATIONS: High efficiency and very low pressure drop, even when wetted by oil and water, makes this pleated coalescing media an excellent choice for medium efficiency applications. Large surface area means long life and a high tolerance for heavy liquid aerosol contamination. Prefilter for refrigerated air dryer.

8

APPLICATIONS: Good air coalescing efficiency in combination with high flow rate and long element life. Protection of noncritical circuit components such as valves, cylinders, etc. Prefilter for refrigerated air dryer.

10

APPLICATIONS: Precoalescer or prefilter for Grade 6 to remove gross amounts of water and oil, or tenacious aerosols which are difficult to remove. Upgrading existing particulate equipment to coalescing without increase in pressure drop.

Choose your media type

All of the elements below flow in to out.



C: Micro-glass coalescer
Max. temp. 175°F.



Q: Micro-glass coalescer with built-in pleated prefilter
Max. temp. 175°F.



7CVP: Micro-glass pleated coalescer
Max. temp. 175°F.



D: High temperature micro-glass coalescer
Max. temp. 450°F

Media Specifications

Grade Designation	Coalescing Efficiency .3 to .6 Micron Particles	Maximum Oil Carryover ¹ PPM w/w	Micron Rating	Pressure Drop (PSID) @ Rated Flow ²	
				Media Dry	Media Wet With 10-20 wt. oil
4	99.995%	0.003	0.01	1.25	3-4
6	99.97%	0.008	0.01	1.0	2-3
7	99.5%	0.09	0.5	0.25	0.5 - 0.7
8	98.5%	0.2	0.5	0.5	1-1.5
10	95%	0.85	1.0	0.5	0.5

¹Tested per ADF-400 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

Coalescer End Seals:

Blank: No end seals - Elements are self-sealing.

Standard on filters with 1/4" to 1" connection sizes.

U: Molded urethane, Standard on all filters with 1 1/4" to 3" connection sizes.

S: Molded silicone rubber end seals used for high-temperature elements up to **450°F** (232°C).

V: Fluorocarbon gasket bonded to metal end cap. Optional seal used for high temperature **450°F** (232°C) elements. Available on 1 1/4" NPT and larger. Standard on all 7CVP media.

Water Separator Filter Media

Grade Designation	Filter Efficiency Rating	Pressure Drop (PSID) @ Rated Flow Media Dry
100WS	100µm	<0.25

Water Separator End Seals:

Blank: Fluorocarbon gasket bonded to metal end cap. Standard on filters with 1 1/4" to 3" connection sizes.

U: Molded urethane. Standard on all filters with 1/4" to 1" connection sizes.

100WS

APPLICATIONS: Reduction and elimination of excess liquids in gas streams. Excellent prefiltration for coalescing grades 6 and 10 when extreme quantities of liquid contaminants are present.

media type



100WS: Rolled Stainless Steel Mesh (304 SS)

Element flows in to out.
Max. temp. 175°F.

Compressed Air and Gas Filters

Interceptor (Particulate Removal) Filter Media

How does an **interceptor** work?

This filter housing cutaway depicts an interceptor element in a housing. Air enters the housing and flows through the filter media passing from the outside of the element surface to the inside. Particles collect in the element, while clean air exits the housing through the outlet port.

3P U

APPLICATIONS: Particulate removal where very high dirt-holding capacity is required. Safety afterfilter for desiccant dryer, pore matched prefilter for coalescer or as general use for final instrument air protection.

Media Specifications

Grade Designation	Filter Efficiency Rating	Pressure Drop (PSID) @ Rated Flow Media Dry
3P	3µm	0.25

media type



3P: Pleated Cellulose

Element flows out to in.
Max. temp. 175°F.

Standard Interceptor End Seals: U = Molded urethane. Molded silicone rubber (S) and fluorocarbon (V) available - see How to Order on page 16.

Adsorption (Vapor Removal) Filter Media

How does an **adsorber** work?

This filter housing cutaway depicts the adsorption process. Air enters the housing and flows through the filter media passing from the outside element surface to the inside. Hydrocarbon vapors collect in the filter element, while clean air exits the housing through the outlet port.

A U

APPLICATIONS: Polishing gas stream of final trace amounts of hydrocarbon contaminants, usually 0.5 to 2 ppm inlet concentrations. Preparation for breathing air; hydrocarbon vapor removal.

Media Specifications

Grade Designation	Oil Vapor Removal Efficiency	Pressure Drop (PSID) @ Rated Flow Media Dry
A	99%+	1

media type



A: Activated Carbon

Element flows out to in.
Max. temp. 175°F.

Standard Adsorber End Seals: U = Molded urethane. Molded silicone rubber (S) available - see How to Order on page 16.

Step 2

Determine your Housing.

Find your desired flow rate under the appropriate media grade column. For pressures other than 100 PSIG or temperatures other than 70°F, please see Alternate Housing Selection Chart, Step 2a, on following page.

Insert Port Type. See page 16 for options. For example: Insert "N" for an NPT Port.

Housing Selection Chart

Rated Flows: SCFM @ 100 PSIG (m³/hr @ 7 bar)
For other pressures, please see Step 2a on following page.

Housing Assembly	Port Size	Grade 4 Coalescer	Grade 6 Coalescer (Standard)	Grade 7CVP Coalescer	Grade 8 Coalescer	Grade 10 Coalescer	Grade 3PU Interceptor	Grade 100WS Water Separator	Grade A Adsorber
H_1S	1/4"	11 (19)	15 (26)	N/A	20 (34)	25 (43)	25 (43)	50 (85)	15 (26)
H_15S	3/8"	15 (26)	20 (34)	N/A	27 (46)	33 (56)	33 (56)	66 (112)	20 (34)
H_2S	1/2"	19 (32)	25 (43)	N/A	34 (58)	42 (71)	42 (71)	83 (141)	25 (43)
H_1L	1/4"	23 (39)	30 (51)	N/A	41 (68)	50 (85)	50 (85)	50 (85)	30 (51)
H_15L	3/8"	30 (51)	40 (68)	N/A	55 (94)	66 (112)	66 (112)	66 (112)	40 (68)
H_2L	1/2"	38 (65)	50 (85)	N/A	68 (116)	83 (141)	83 (141)	83 (141)	50 (85)
H_3S	3/4"	61 (104)	80 (136)	N/A	109 (185)	133 (226)	133 (226)	133 (226)	80 (136)
H_4S	1"	76 (129)	100 (170)	N/A	136 (231)	166 (282)	166 (282)	232 (394)	100 (170)
H_4L	1"	106 (180)	140 (238)	N/A	191 (325)	232 (394)	232 (394)	232 (394)	140 (238)
H_5S	1 1/4"	190 (323)	250 (425)	415 (706)	330 (461)	415 (706)	415 (706)	415 (706)	250 (425)
H_6S	1 1/2"	260 (442)	350 (595)	600 (1020)	465 (791)	600 (1020)	600 (1020)	600 (1020)	350 (595)
H_8E	2"	260 (442)	350 (595)	600 (1020)	465 (791)	600 (1020)	600 (1020)	600 (1020)	350 (595)
H_8S	2"	340 (578)	450 (765)	750 (1275)	600 (1020)	750 (1275)	750 (1275)	750 (1275)	450 (765)
H_8L	2"	470 (799)	625 (1063)	1035 (1760)	830 (1411)	1035 (1760)	1035 (1760)	1035 (1760)	625 (1063)
H_0L	2 1/2"	600 (1020)	800 (1360)	1330 (2261)	1060 (1802)	1330 (2261)	1330 (2261)	1330 (2261)	800 (1360)
H_12L	3"	750 (1275)	1000 (1700)	1660 (2822)	1330 (2261)	1660 (2822)	1660 (2822)	1660 (2822)	1000 (1700)

Replacement Element Part Numbers

Insert Port Type. Port type does not affect element selection.

*Insert selected media grade 4, 6, 8, 10.

Housing Assembly	Coalescer	Coalescer w/inner retainer	High Temperature	Coalescer w/ built-in prefilter	7CVP Pleated Coalescer	3PU Interceptor	100WS Water Separator	AU Adsorber
H_1S	*C10-025	*IU10-025	*DS10-025	*QU10-025	N/A	3PU10-025	100WSU10-025	AU10-025
H_15S	*C10-025	*IU10-025	*DS10-025	*QU10-025	N/A	3PU10-025	100WSU10-025	AU10-025
H_2S	*C10-025	*IU10-025	*DS10-025	*QU10-025	N/A	3PU10-025	100WSU10-025	AU10-025
H_1L	*C10-050	*IU10-050	*DS10-050	*QU10-050	N/A	3PU10-050	100WSU10-025	AU10-050
H_15L	*C10-050	*IU10-050	*DS10-050	*QU10-050	N/A	3PU10-050	100WSU10-025	AU10-050
H_2L	*C10-050	*IU10-050	*DS10-050	*QU10-050	N/A	3PU10-050	100WSU10-025	AU10-050
H_3S	*C15-060	*IU15-060	*DS15-060	*QU15-060	N/A	3PU15-060	100WSU15-060	AU15-060
H_4S	*C15-060	*IU15-060	*DS15-060	*QU15-060	N/A	3PU15-060	100WSU15-060	AU15-060
H_4L	*C15-095	*IU15-095	*DS15-095	*QU15-095	N/A	3PU15-095	100WSU15-060	AU15-095
H_5S	*CU25-130	*CU25-130	*DS25-130	*QU25-130	7CVP25-130	3PU25-130	100WS25-130	AU25-130
H_6S	*CU25-130	*CU25-130	*DS25-130	*QU25-130	7CVP25-130	3PU25-130	100WS25-130	AU25-130
H_8E	*CU25-130	*CU25-130	*DS25-130	*QU25-130	7CVP25-130	3PU25-130	100WS25-130	AU25-130
H_8S	*CU25-187	*CU25-187	*DS25-187	*QU25-187	7CVP25-187	3PU25-187	100WS25-187	AU25-187
H_8L	*CU25-235	*CU25-235	*DS25-235	*QU25-235	7CVP25-235	3PU25-235	100WS25-235	AU25-235
H_0L	*CU35-280	*CU35-280	*DS35-280	*QU35-280	7CVP35-280	3PU35-280	100WS35-280	AU35-280
H_12L	*CU35-280	*CU35-280	*DS35-280	*QU35-280	7CVP35-280	3PU35-280	100WS35-280	AU35-280

Step 2a

Alternate Housing Selection Chart

for applications with pressures other than 100 PSIG and 70°F (standard conditions)

Compressed Air and Gas Filters

Converting Actual Application Conditions to Standardized Conditions

Because the required size of a filter is affected not only by flow, but also by operating pressure and operating temperature, it is necessary to convert those actual conditions to standardized conditions (100 PSIG and 70°F). The calculated adjusted flow rate can then be used to choose the appropriate filter in the chart on page 14. When using the chart, choose the closest flow rate from the appropriate media grade column.

Equation:

$$\begin{array}{|c|} \hline \text{Flow} \\ \hline \text{Actual System Flow Rate (SCFM)} \\ \hline \end{array}
 \times
 \begin{array}{|c|} \hline \text{Pressure} \\ \hline \frac{(100 \text{ PSIG} + 14.7 \text{ PSIG})}{(\text{System Pressure (PSIG)} + 14.7 \text{ PSIG})} \\ \hline \end{array}
 \times
 \begin{array}{|c|} \hline \text{Temperature} \\ \hline \frac{(\text{System Temp } ^\circ\text{F} + 460^\circ\text{F})}{(70^\circ\text{F} + 460^\circ\text{F})} \\ \hline \end{array}
 \times
 \begin{array}{|c|} \hline \text{Specific Gravity} \\ \hline \sqrt{\text{specific gravity}} \\ \hline \end{array}
 =
 \begin{array}{|c|} \hline \text{Adjusted Flow Rate} \\ \hline \text{Adjusted Flow Rate (At 100 PSIG and 70°F)} \\ \hline \end{array}$$

Example: For grade 6C filter, with an actual flow rate of 60 SCFM, an actual pressure of 50 PSIG and an actual temperature of 175°F, the equation would go as follows:

system pressure = 50

system temperature = 175

$$\frac{(100\text{PSIG} + 14.7 \text{ PSIG})}{(50 \text{ PSIG} + 14.7 \text{ PSIG})}$$

$$\frac{(175 \text{ }^\circ\text{F} + 460^\circ\text{F})}{(70^\circ\text{F} + 460^\circ\text{F})}$$

$$\frac{(114.7)}{(64.7)} = 1.77$$

$$\frac{(635)}{(530)} = 1.19$$

Note: Take the square root of your specific gravity. If this is for a compressed air application, skip this step because the specific gravity of air equals one. Please consult **Finite**® if you do not know your specific gravity.

Now go to the chart on page 14, look down the media grade 6 column for a flow of 126.4 SCFM, you will see the correct housing is the HN4L.

$$60 \text{ SCFM} \times 1.77 \times 1.19 \times 1 = 126.4 \text{ SCFM}$$

Pre-Installed Accessory Options

Step 3








Choose your accessories.

Consult **Finite**® when choosing pre-installed accessories for special gases.

Accessory Designator	Auto Drain	DPI Indicator	DPG Gauge	High Temp	DP Ports	Fluorocarbon O-rings	No Accessories	Pressure/Temp		Pressure/Temp	
								PSIG	Degrees°F	bar	Degrees°C
A								250	175°	17	79°
D								250	175°	17	79°
G								500	175°	34	79°
J								250	450°	17	232°
N								500	175°	34	79°
P								250	175°	17	79°
V								500	175°	34	79°
W								250	175°	17	79°
X								250	175°	17	79°
Y								250	175°	17	79°

Pre-installed Accessories

Other Compatible Accessories

							
Designator	D, W	A, W, X, Y	G, Y				
Temp.	175° F (79° C)	175° F (79° C)	175° F (79° C)	210° F (99° C)	140° F (60° C)	125° F (52° C)	175° F (79° C)
Pressure	250 PSIG (17 Bar)	250 PSIG (17 Bar)	500 PSIG (34 Bar)	300 PSIG (20 Bar)	250 PSIG (17 Bar)	150 PSIG (10 Bar)	250 PSIG (17 Bar)
Port Size	N/A	N/A	N/A	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT

¹Note: AD-12 requires 10 PSIG to seal. ²Note: Other timed drain valves can be found on page 183.

Mounting brackets available: BK-M (1/4" - 1/2" connections); BK-3 (3/4" - 1" connections).

Step 4

How to Order

Use the steps below to build your own part number.
For any permutation not mentioned below, please consult factory at 1-800-521-4357.

Compressed Air and Gas Filters

Step 2 or 2a

Step 1

Step 3

Series Name	Port Type	Port (Connection) Size	Bowl	Element Grade	Element Type	End Seal	Accessory Designator for preinstalled accessories
H	N	1 2	L	6	C	U	G
N - NPT F - BSPF S - SAE* T - BSPT	N - NPT F - BSPF S - SAE* T - BSPT	1 - 1/4" 15 - 3/8" 2 - 1/2" 3 - 3/4" 4 - 1" 5 - 1 1/4" 6 - 1 1/2" 8 - 2" 0 - 2 1/2" 12 - 3"	S - Standard L - Long E - Economy (short bowl)* *Short bowl is only available on 2" connection size Note: Bowl length is determined by the flow rate required. See page 14, Housing Selection Chart, for flow rates.	4 6 8 10	C	Blank = No end seal, Standard on 1/4" to 1" connection sizes U = Urethane, Standard on 1 1/4" to 3" connection sizes S = Molded Silicone Rubber V = Fluorocarbon, Available 1 1/4" to 3" connections only	A - Auto Drain D - DPI Indicator G - DPG Gauge (Standard on 3/4" & up) J - High Temperature (450°F) N - No Accessories P - 1/8" Differential (3/4" & up) Sensing Ports V - Fluorocarbon O-rings W - A + D X - A + P Y - A + G Note: For max. pressures and temperatures related to Accessories, please see chart on previous page.
					Q	U = Urethane, Standard all connection sizes S = Molded Silicone Rubber V = Fluorocarbon, Available 1 1/4" to 3" connections only	
					D	S = Molded Silicone Rubber, Standard on all conn. sizes V = Fluorocarbon, Available 1 1/4" to 3" conn. sizes only	
				7CVP		Blank = Fluorocarbon, Standard on all 7CVP elements; elements available 1 1/4" to 3" connections only	
					I	U = Urethane, Standard on 1/4" to 1" connection sizes	
				3P		U = Urethane, Standard on all connection sizes S = Molded Silicone Rubber V = Fluorocarbon, Available 1 1/4" to 3" connections only	
				100WS		U = Urethane, Standard on 1/4" to 1" connection sizes Blank = Fluorocarbon, Standard on 100WS elements 1 1/4" to 3" connections only	
					A	U = Urethane, Standard on all connection sizes S = Molded Silicone Rubber	

Examples on How to Order

Example 1:
HN12L-6CUY
What am I ordering?
An H-Series, with a 3" NPT connection, long bowl, standard grade 6 coalescing element with urethane end seals, an auto drain and a standard DPG gauge.

Example 2:
HN15L-8CA
What am I ordering?
An H-Series, with a 3/8" NPT connection, long bowl, grade 8 coalescing element without end seals and an auto drain.

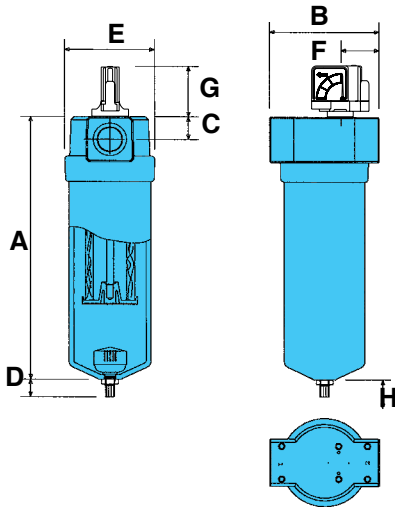
Example 3:
HN8S-7CVPG
What am I ordering?
An H-Series, with a 2" NPT connection, standard bowl, a 7CVP coalescing element, with the standard fluorocarbon end seals and standard DPG gauge.

Example 4:
HN8E-10DVJ
What am I ordering?
An H-Series, with a 2" NPT connection, economy short bowl, grade 10 high-temp coalescing element, with the standard fluorocarbon end seals and "J" as an accessory. This high temperature option converts all materials to be capable of handling temperatures of 450°F.

Example 5:
HN2S -AUN
What am I ordering?
An H-Series, with a 1/2" NPT connection, short bowl, adsorber element, with the standard urethane end seals and no accessories.

Drawings, Dimensions & Specifications

1/4" to 1" Housings



Specifications

Max. Pressure: **500 PSIG** (34 bar)
 Safety Factor: Max. operating to burst 4:1
 Max. Temp.: **175°F** (79°C) with option to **450°F** (232°C)
 Seals: Nitrile Std./Fluorocarbon optional
 Materials: Aluminum - 380 Die cast heads;
 6061 Drawn bowls
 Coatings: Chromated heads and bowls;
 Powder painted exterior
 Design: In-line threaded bowl to head

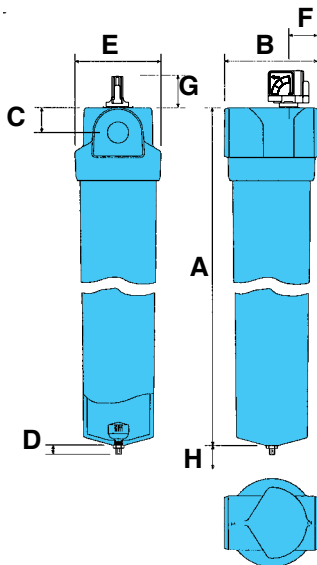
Note: Manual Drain Port is 1/8" FNPT when tee valve is removed from drain bushing.

Model	A	B	C	D	E	F	G	H*	Sump (ml)	Weight
H_1S	6.80 (172)	3.12 (79)	.63 (16)	.79 (20)	2.98 (76)	1.56 (39.5)	2.6 (66)	2.99 (76)	150	1.49 (.68)
H_15S	6.80 (172)	3.12 (79)	.63 (16)	.79 (20)	2.98 (76)	1.56 (39.5)	2.6 (66)	2.99 (76)	150	1.47 (.66)
H_2S	6.80 (172)	3.12 (79)	.63 (16)	.79 (20)	2.98 (76)	1.56 (39.5)	2.6 (66)	2.99 (76)	150	1.44 (.65)
H_1L	9.19 (233)	3.12 (79)	.63 (16)	.79 (20)	2.98 (76)	1.56 (39.5)	2.6 (66)	5.51 (140)	140	1.89 (.86)
H_15L	9.19 (233)	3.12 (79)	.63 (16)	.79 (20)	2.98 (76)	1.56 (39.5)	2.6 (66)	5.51 (140)	140	1.87 (.85)
H_2L	9.19 (233)	3.12 (79)	.63 (16)	.79 (20)	2.98 (76)	1.56 (39.5)	2.6 (66)	5.51 (140)	140	1.85 (.84)
H_3S	10.86 (276)	4.65 (118)	.96 (24)	.79 (20)	3.68 (93.5)	1.73 (44)	2.6 (66)	6.5 (165)	270	3.56 (1.61)
H_4S	10.86 (276)	4.65 (118)	.96 (24)	.79 (20)	3.68 (93.5)	1.73 (44)	2.6 (66)	6.5 (165)	270	3.29 (1.49)
H_4L	14.36 (365)	4.65 (118)	.96 (24)	.79 (20)	3.68 (93.5)	1.73 (44)	2.6 (66)	10.00 (254)	270	4.11 (1.86)

Special Note: Dimensions are in **inches** (millimeters); weight is in **pounds** (kilograms).

* Clearance required to remove bowl.

1 1/4" to 3" Housings



Specifications

Max. Pressure: **500 PSIG** (34 bar)
 Safety Factor: Max. operating to burst 4:1
 Max. Temp.: **175°F** (79°C) with option to **450°F** (232°C)
 Seals: Nitrile Std./Fluorocarbon optional
 Materials: Aluminum - 356 Sand cast heads;
 6061 Drawn bowls
 Coatings: Chromated heads and bowls;
 Powder painted exterior
 Design: In-line threaded bowl to head

Note: Manual Drain Port is 1/8" FNPT when tee valve is removed from drain bushing.

Model	A	B	C	D	E	F	G	H*	Sump (ml)	Weight
H_5S	18.23 (463)	6.0 (152)	1.65 (42)	.83 (21)	5.67 (144)	1.85 (47)	2.6 (66)	13.50 (343)	440	12.11 (5.49)
H_6S	18.23 (463)	6.0 (152)	1.65 (42)	.83 (21)	5.67 (144)	1.85 (47)	2.6 (66)	13.50 (343)	440	11.97 (5.43)
H_8E	18.23 (463)	6.0 (152)	1.65 (42)	.83 (21)	5.67 (144)	1.85 (47)	2.6 (66)	13.50 (343)	440	11.97 (5.43)
H_8S	24.23 (617)	6.0 (152)	1.65 (42)	.83 (21)	5.67 (144)	1.85 (47)	2.6 (66)	19.25 (489)	530	14.00 (6.35)
H_8L	29.23 (742)	6.0 (152)	1.65 (42)	.83 (21)	5.67 (144)	1.85 (47)	2.6 (66)	24.02 (610)	620	15.99 (7.25)
H_0L	35.70 (907)	8.0 (203)	2.4 (61)	.83 (21)	7.24 (184)	2.36 (60)	2.6 (66)	28.50 (724)	880	35.00 (15.87)
H_12L	35.70 (907)	8.0 (203)	2.4 (61)	.83 (21)	7.24 (184)	2.36 (60)	2.6 (66)	28.50 (724)	880	34.14 (15.48)

Special Note: Dimensions are in **inches** (millimeters); weight is in **pounds** (kilograms).

* Clearance required to remove bowl.

Notes:



www.finitefilter.com

finitefilter@parker.com

Maintenance Bulletin - International H-Series

(1/4" to 1" NPT, BSPF, BSPT Sizes only)

MB-141

Compressed Air
and Gas Filters

INSTALLATION

Finite H-Series filters should be installed in a level pipeline, mounted vertically, the bowl downward with one bowl length clearance for element removal. The filter should be installed at the highest pressure point available, and as near as possible to the equipment to be protected and have a drip leg immediately upstream. The coalescers and particulate filters should be visible and easily accessible for periodic draining and maintenance.

The filters should be piped in accordance with the instruction tags, flow arrows or "IN" and "OUT." Should these tags become unreadable, install the coalescer so that flow passes through the filter tube from inside-to-outside. Plumb particulate and adsorber filters so that flow passes through the filter from outside-to-inside. The various filter locations relative to other equipment should be as follows (unless specific instructions are given to the contrary): (1) COALESCERS and WATER SEPARATORS are placed before the dryer. (2) The INTERCEPTOR (Particulate) goes ahead of the COALESCER when pre-filtration is required. (3) The INTERCEPTOR is installed downstream of desiccant dryers to prevent desiccant migration. (4) The ADSORBER is always preceded by a COALESCER.

When Coalescer or Interceptor differential pressure reaches clogged condition (6-10 PSID) replace element immediately. DO NOT ATTEMPT TO CLEAN FILTER TUBE. System contamination can result. DO NOT ATTEMPT TO RESEAT A FILTER TUBE. New serrated indentations can be formed causing leakage. DO NOT BY-PASS THE COALESCER unless the by-pass line is also filtered.

OPERATION

Air coalescing is a continuous, balanced, steady-state process occurring at or below rated flow, which depends on two factors for high performance: (1) The bowl must be kept free of waste liquid build-up and (2) The element must be replaced when the differential pressure reaches 6-10 psid, 12 psid Maximum. Differential pressure can be sensed at the inlet and outlet ports by two gauges, or by Finite's DPI-13 differential pressure indicator, DPG-15 differential pressure gauge, or by observing system characteristics.

Bowl draining is accomplished by opening the manual drain valve (standard on all housings), at least once every 8 hours depending on the liquid load. The Finite Auto-Drain AD-12 is a useful tool that replaces manual draining. Finite's timed drain valve can be used to drain the bowl automatically.

A Finite coalescer, under normal system conditions, will operate for 6 to 12 months before reaching its Maximum differential pressure. A "PU" series Interceptor, or a "QU" series coalescing element with a pleated prefilter can be employed ahead of the coalescer to increase its life. The interceptor should be replaced when its differential pressure reaches 8 - 10 psid.

Finite coalescers are designed for nominal operation with 10-20 wt. oil. Any viscosity increase over that of 20 wt. oil must be offset by a proportionate oversizing of the filter element. Consult your Finite representative.

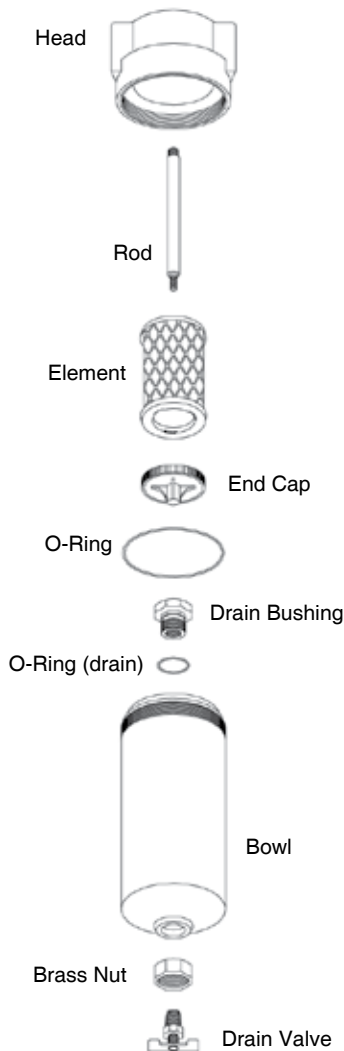
TROUBLESHOOTING CHART

Problem	Probable Cause	Solution
Too High Initial Pressure Drop	Air flow Excessive for housing size. Filter media grade too fine.	Install larger filter. Install coarser element.
	Too much oil/water from compressor.	Pre-coalesce with grade 10 - oversize housing.
Premature Clogging (Air Flow Drops Off)	Lubricant improperly selected for compressor, causing varnish or carbonizing of lubricant.	Change oil, consult with lubricant supplier.
	Excessive inlet particulate contamination.	Prefilter with Interceptor.
	Excessive lubricants present on element caused by either high lubricant viscosity or very high inlet aerosol level.	Prefilter with Grade 10 and oversize coalescer to compensate.
	Oil/water emulsion forming on element.	Remove water by drip leg, aftercooler. Install mechanical separator upstream.
Oil Present Downstream of Filter	Ice forming or oil viscosity too high due to Excessively low unit temperature.	Raise temperature.
	Bowl not properly drained of waste liquids.	Drain regularly, use auto drain.
	Element not sealing.	Replace element.
	Filter piped backwards.	See "INSTALLATION"; Re-pipe.
	Filter being by-passed by valving.	Close valve.
	Contaminated air entering system from second source downstream.	Change pipe or relocate filter.
	Oil vapors condensing downstream.	Install an adsorber.
	Excessive inlet oil level.	Precoalesce with Grade 10 and possibly oversize.
	Element damaged, chemically attacked or not installed in housing.	Change and consult distributor or factory for other than neutral pH.
Oil present in pre-contaminated downstream piping.	Clean piping.	
Excessive flow surges.	Relocate filter, pre-coalesce with grade 10 and oversize coalescers.	

Assembly Drawing/Parts List

1/4" to 1" NPT/BSPF/BSPT

Compressed Air
and Gas Filters



Part Name Port Size	H_1S 1/4"	H_15S 3/8"	H_2S 1/2"	H_1L 1/4"	H_15L 3/8"	H_2L 1/2"	H_3S 3/4"	H_4S 1"	H_4L 1"
Head - NPT	41508	41509	41510	41508	41509	41510	41511	41512	
Head (DPI) - NPT*	41513	41514	41515	41513	41514	41515	41516	41517	
Head (P Ports) NPT							41518	41519	
Head - BSPF	41429	41430	41431	41429	41430	41431	41432	41433	
Head (DPI) - BSPF*	41439	41440	41441	41439	41440	41441	41442	41443	
Head (P Ports) BSPF							41450	41451	
Head - BSPT							41540	41541	
Head (DPI) - BSPT*							41544	41545	
Head (P Ports) BSPT							41548	41549	
Elements:									
□C	□C10-025			□C10-050			□C15-060	□C15-095	
□CU	□CU10-025			□CU10-050			□CU15-060	□CU15-095	
□IU	□IU10-025			□IU10-050			□IU15-060	□IU15-095	
□DS	□DS10-025			□DS10-050			□DS15-060	□DS15-095	
□QU	□QU10-025			□QU10-050			□QU15-060	□QU15-095	
3PU	3PU10-025			3PU10-050			3PU15-060	3PU15-095	
100WSU	100WSU10-025			100WSU10-025			100WSU15-060		
AU	AU10-025			AU10-050			AU15-060	AU15-095	
Rod	40076			40077			45068	45069	
End Cap	45076						45077		
End Cap (high temp)	41359						41038		
O-Ring	76143						76235		
O-Ring (high temp)	76143V						76235V		
Brass Drain Bushing				23054					
O-Ring (drain)				76114V					
Bowl Only	41520			41521			41522	41523	
Bowl Assy. w/Manual Drain	41529			41530			41531	41532	
Brass Nut				23041					
Drain Valve				70010					
Manual Drain Kit (includes Drain Valve, Brass Nut, Brass Drain Bushing and O-Ring) EBD-12									

□=insert grade 2, 4, 6, 8 or 10

* DPI-13 or DPG-15 Differential pressure indicator required.

Optional Accessories

Differential Pressure Indicator Options

(When installed - Max. Operating pressure = 250 PSIG @ 175°F)
DPI-13 includes all parts listed out below plus a base plate (41117) for remote mounting.

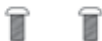
Also available:

Kit 2095 (DPI hole block off kit)

Kit 2003 (contains all DPI-13 parts listed below)

Also available DPI-13 Spare Parts:

Cap Screws - (2) 70005



Bracket - 40894



Shell - 40605



Spring - 40006



Piston - 40604



Diaphragm - 41569



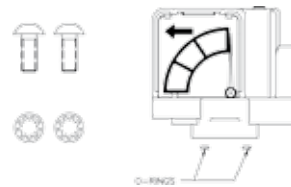
Automatic Drain Valve AD-12



(When installed - Max. Operating Pressure = 250 PSIG @ 175°F)

Differential Pressure Gauge DPG-15

(When installed - Max. Operating Pressure = 500 PSIG @ 175°F)



Note: DPG-15 comes with two o-rings and two screws (shown above) for mounting.

Mounting Brackets

BK-M
(1/4" - 1/2")

BK-3
(3/4" - 1")

Maintenance Bulletin - International H-Series

(1 1/4" to 3" NPT, BSPF, BSPT Sizes only)

MB-143

Compressed Air
and Gas Filters

INSTALLATION

Finite H-Series filters should be installed in a level pipeline, mounted vertically, the bowl downward with one bowl length clearance for element removal. The filter should be installed at the highest pressure point available, and as near as possible to the equipment to be protected and have a drip leg immediately upstream. The coalescers and particulate filters should be visible and easily accessible for periodic draining and maintenance. Filters should be piped according to these instructions also following the flow direction label on the filters.

Filters up to and including 2" connection sizes flow as follows:

- Coalescers/WS:** from port 1 to port 2
- Interceptors:** from port 2 to port 1
- Adsorbers:** from port 2 to port 1.

Filters with connection sizes 2 1/2" and 3" flow as follows:

- Coalescers/WS:** from port 1 to port 2
- Interceptors:** from port 1 to port 2
- Adsorbers:** from port 1 to port 2.

The following are recommended filter locations relative to other compressed air equipment (unless specific instructions are given to the contrary):

- (1) COALESCERS and WATER SEPARATORS (WS) (liquid removal) are placed before the dryer.
- (2) The INTERCEPTOR (particulate removal) should be installed ahead of the COALESCER when prefiltration is required.
- (3) The INTERCEPTOR (particulate removal) can also be installed downstream of desiccant dryers to prevent desiccant migration.
- (4) The ADSORBER (vapor removal) is always preceded by a COALESCER.

When Coalescer or Interceptor differential pressure reaches clogged condition (6-10 PSID) replace element immediately. DO NOT ATTEMPT TO CLEAN FILTER TUBE. System contamination can result. DO NOT BY-PASS THE COALESCER unless the by-pass line is also filtered.

OPERATION

Air coalescing is a continuous, balanced, steady-state process occurring at or below rated flow, which depends on two factors for high performance: (1) The bowl must be kept free of waste liquid buildup and (2) The element must be replaced when the differential pressure reaches 6-10 psid, 12 psid Maximum. Differential pressure can be sensed at the inlet and outlet ports by two gauges, or by Finite's DPI-13 differential pressure indicator, DPG-15 differential pressure gage, or by observing system characteristics.

Bowl draining is accomplished by opening the manual drain valve (standard on all housings), at least once every 8 hours depending on the liquid load. The Finite Auto-Drain AD-12 is a useful tool that replaces manual draining. Finite has an assortment of electrically timed drain valves that can be used to drain the bowl automatically.

A Finite coalescer, under normal system conditions, will operate for 6 to 12 months before reaching its Maximum differential pressure. A "PU" series Interceptor, or a "QU" series coalescing element with a pleated prefilter can be employed ahead of the coalescer to increase its life. The interceptor should be replaced when its differential pressure reaches 8 - 10 PSID.

Finite coalescers are designed for nominal operation with 10-20 wt. oil. Any viscosity increase over that of 20 wt. oil must be offset by a proportionate oversizing of the filter element. Consult your Finite representative.



DANGER

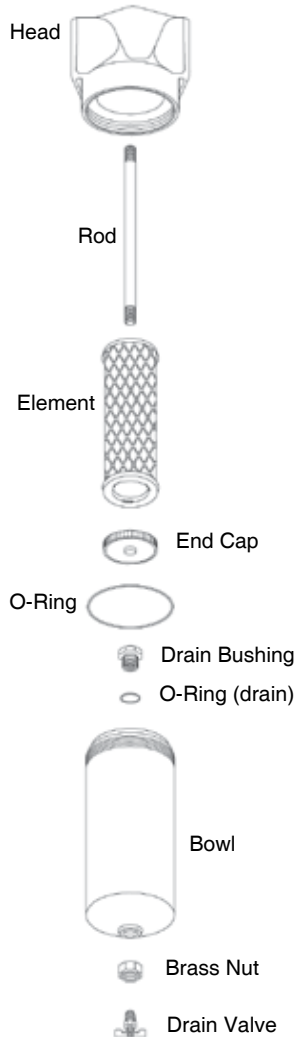
Filter housings must be depressurized before performing any maintenance activities.

TROUBLESHOOTING CHART

Problem	Probable Cause	Solution
Too High Initial Pressure Drop	Air flow Excessive for housing size. Filter media grade too fine.	Install larger filter. Install coarser element.
	Too much oil/water from compressor.	Precoalesce with grade 10 - oversize housing.
Premature Clogging (Air Flow Drops Off)	Lubricant improperly selected for compressor, causing varnish or carbonizing of lubricant.	Change oil, consult with lubricant supplier.
	Excessive inlet particulate contamination.	Prefilter with Interceptor.
	Excessive lubricants present on element caused by either high lubricant viscosity or very high inlet aerosol level.	Prefilter with Grade 10 and oversize coalescer to compensate.
	Oil/water emulsion forming on element.	Remove water by drip leg, aftercooler. Install mechanical separator upstream.
Oil Present Downstream of Filter	Ice forming or oil viscosity too high due to Excessively low unit temperature.	Raise temperature.
	Bowl not properly drained of waste liquids.	Drain regularly, use auto drain.
	Element not sealing.	Replace element.
	Filter piped backwards.	See "INSTALLATION"; Re-pipe.
	Filter being by-passed by valving.	Close valve.
	Contaminated air entering system from second source downstream.	Change pipe or relocate filter.
	Oil vapors condensing downstream.	Install an adsorber.
	Excessive inlet oil level.	Precoalesce with Grade 10 and possibly oversize.
Element damaged, chemically attacked or not installed in housing.	Change and consult distributor or factory for other than neutral pH.	
Oil present in precontaminated downstream piping.	Clean piping.	
Excessive flow surges.	Relocate filter, precoalesce with grade 10 and oversize coalescers.	

Assembly Drawing/Parts List

1 1/4" to 3" NPT/BSPF/BSPT



Part Name Port Size	H_5S 1 1/4"	H_6S 1 1/2"	H_8E 2"	H_8S 2"	H_8L 2"	H_OL 2 1/2"	H_12L 3"
Head - NPT	41328	41329	41330	41330	41330	41331	41332
Head (DPI) - NPT*	41333	41334	41335	41335	41335	41336	41337
Head, Δ P Ports NPT	41338	41339	41340	41340	41340	41341	41342
Head - BSPF	41434	41435	41436	41436	41436	41437	41438
Head (DPI), BSPF	41444	41445	41446	41446	41446	41447	41448
Head, Δ P Ports BSPF	41452	41453	41454	41454	41454	41455	41456
Head - BSPT	41478	41479	41480	41480	41480	41481	41482
Head (DPI) - BSPT*	41488	41489	41490	41490	41490	41491	41492
Head, Δ P Ports BSPT	41498	41499	41500	41500	41500	41501	41502
Head (DPI) - SAE32	N/A	N/A	42106	42106	42106	N/A	N/A
Elements:							
□CU		□CU25-130	□CU25-187	□CU25-235	□CU35-280		
□DV		□DV25-130	□DV25-187	□DV25-235	□DV35-280		
□QU		□QU25-130	□QU25-187	□QU25-235	□QU35-280		
7CVP		7CVP25-130	7CVP25-187	7CVP25-235	7CVP35-280		
3PU		3PU25-130	3PU25-187	3PU25-235	3PU35-280		
100WS		100WS25-130	100WS25-187	100WS25-235	100WS35-280		
AU		AU25-130	AU25-187	AU25-235	AU35-280		
Rod		41347	41348	41349	41585		
End Cap			45079		45080		
End Cap (high temp)			41040		45080		
O-Ring			76246		75046		
O-Ring (high temp)			76246V		75046V		
Brass Drain Bushing			23054				
O-Ring (drain)			76114V				
Bowl Only		41464	41465	41466	41467		
Bowl Assy. w/Manual Drain		41533	41534	41535	41536		
Brass Nut			23041				
Drain Valve			70010				
Manual Drain Kit (includes Drain Valve, Brass Nut, Brass Drain Bushing and O-Ring) EBD-12							

□=insert grade 2, 4, 6, 8 or 10

* DPI-13 or DPG-15 Differential pressure indicator required.

Optional Accessories

Differential Pressure Indicator Options

(When installed - Max. Operating pressure = 250 PSIG @ 175°F)
DPI-13 includes all parts listed out below plus a base plate (41117) for remote mounting.

Also available:

Kit 2095 (DPI hole block off kit)

Kit 2003 (contains all DPI-13 parts listed below)

Also available DPI-13 Spare Parts:

Cap Screws - (2) 70005



Bracket - 40894



Shell - 40605



Spring - 40006



Piston - 40604



Diaphragm - 41569



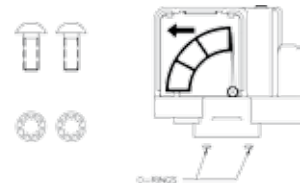
Automatic Drain Valve AD-12



(When installed - Max. Operating Pressure = 250 PSIG @ 175°F)

Differential Pressure Gauge DPG-15

(When installed - Max. Operating Pressure = 500 PSIG @ 175°F)



Note: DPG-15 comes with two o-rings and two screws (shown above) for mounting.



ASME Coded Vessels

Compressed Air & Gas Filters

- Coalescing, Particulate & Hydrocarbon Adsorption
- Flows up to 37,000 SCFM (62,000 m³/hr)
- 3" NPT to 16" Flange

Compressed Air
and Gas Filters

Bulletin 1300 - 400/USA



Finite[®]

Finite® Large Capacity

ASME Vessels

Finite Filter's large capacity ASME filter vessels have been designed specifically for our coalescing elements and incorporate large sump capacities and generous exit cavities for maximum performance with low differential pressures.

All units are "U" stamped and conform to ASME Section VIII standard code for pressure vessels. With flow capacities to 37,000 SCFM and optional materials of construction, most compressor source filtration requirements can be met.

Specifications:

Porting to: 16" Flange

Flows to: 37,000 SCFM (63,000 m³/hr)

Design: ASME Code/CRN (Canadian Registration)

Available Options:

- High Temperature
- High Pressure
- All Stainless Construction



Typical Applications

Coalescing (Oil Removal)

- Compressed air system protection
- Dryer protection
- Paint spray booths
- Microelectronics prefiltration

Interceptor (Particulate Removal)

- Natural gas systems
- Desiccant dryer afterfilter
- Prefilter for coalescer
- Systems with high particulate concentration
- Particulate protection for non-lubricated systems

Adsorber (Vapor Removal)

- Odor removal
- Food packaging
- Powder paint systems

Applications & International ISO Standards

International Standard ISO8573-1

is fast becoming the industry standard method for specifying compressed air cleanliness. The chart to the right details the specifications of the classes.

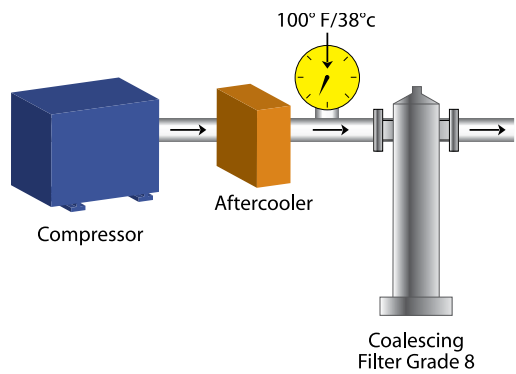
The diagrams below describe various systems in terms of their corresponding ISO classification.

Notification as specified in ISO8573 - 1

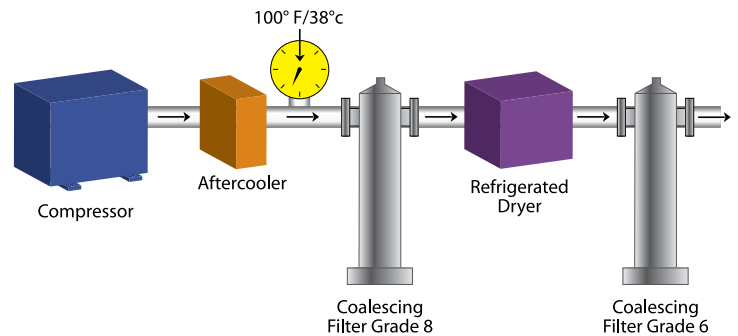
Class	Solid		Water		Oil	
	Maximum particle size (µm)	Maximum Concentration ppm (mg/m ³)	Maximum Pressure Dew point °F	Maximum Pressure Dew point (°C)	Maximum Concentration ppm	Maximum Concentration (mg/m ³)
1	0.1	0.08 (0.1)	-94	(-70)	0.008	(0.01)
2	1	0.8 (1)	-40	(-40)	0.08	(0.1)
3	5	4.2 (5)	-4	(-20)	0.83	(1)
4	15	6.7 (8)	37	(+3)	4.2	(5)
5	40	8.3 (10)	45	(+7)	21	(25)
6	-	-	50	(+10)	-	-

Typical Applications

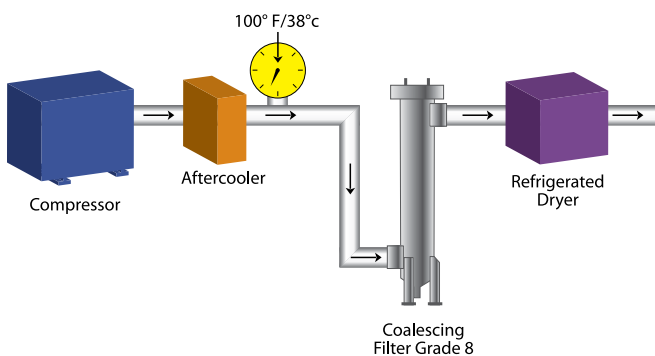
ISO Class 1 Solid 2 Solid Water 3 Oil



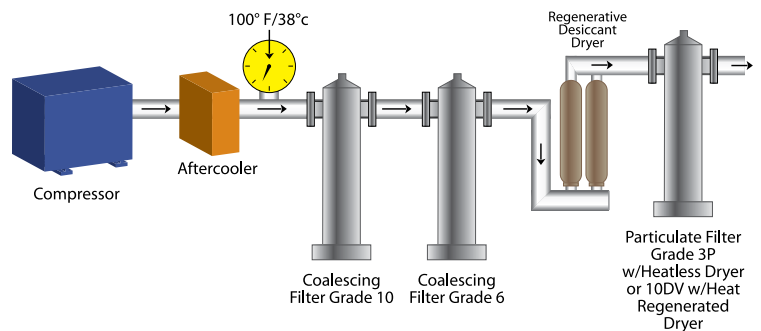
ISO Class 1 Solid 4 Water 1 Oil



ISO Class 2 Solid 4 Water 3 Oil



ISO Class 1 Solid 2 Water 1 Oil



Note: In the pictorial examples shown above, the contribution of hydrocarbon vapors has not been taken into account in determining the oil class category.

Determine your application, media grade, media type and end seals.

Find your (or similar) application from the descriptions below, from the basic application circuits on the previous page, or consult a **Finite**® application engineer. Determine media grade, media type and end seal required. If your application requires a coalescing element, use the information listed below. For other media types, please see the following page.

Coalescing Elements (removal of liquids and particulate)

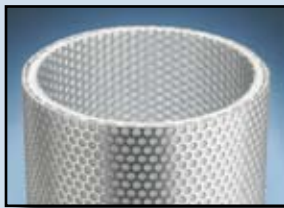


Media type Q is shown here. Media type C has the same coalescing outer layer, without the inner pleated layer.

Media type C or Q

Available in grades 6, 8 or 10
Air Flow: Inside to Outside

This coalescing element is composed of an epoxy saturated, borosilicate glass micro-fiber tube. Type Q has a pleated cellulose inner layer as a built-in prefilter. This element is metal retained for added strength, and includes a synthetic fabric layer.



Media type D

Available in grades 6, 8 or 10
Air Flow: Inside to Outside

This type D element is composed of a micro-glass coalescer, just like type C, however it is surrounded by two metal retainers. These metal retainers, coupled with a glass drain layer, make this a robust element designed to handle high temperatures.



Media type 7CVP

Air Flow: Inside to Outside

Finite's 7CVP media consists of two layers. The outer layer consists of a dense matrix of glass fibers. This coalescing layer provides highly efficient aerosol removal and very low pressure drop. The inner layer effectively traps dirt particles, protecting and extending the life of the outer layer. A metal retainer is used for strength and stability.

This media is used in bulk coalescing applications and when relatively high efficiency and low pressure drop are required.

Type 7CVP elements are great prefilters for refrigerated air dryers. This element maintains dryer efficiency by preventing coating of coils with oil or varnish.

For a high temperature version of this element, specify type **7DVP**.

For types C, Q and D... Choose your grade...

Grade 6 filters are used when "total removal of liquid aerosols and suspended fines" is required. Because of its overall performance characteristics, this grade is most often recommended.

A grade 6 element is great prefilter protection for desiccant air dryers. This element prevents oil or varnish from coating the desiccant, while maintaining the dryer efficiency.

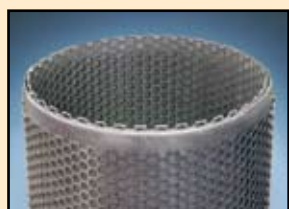
Grade 8 filters combine high efficiency with high flow rate and long element life. A separate prefilter is not required for "normal to light" particulate loading.

A grade 8 element is great prefilter protection for refrigerated air dryers. This element maintains dryer efficiency by preventing coating of coils with oil or varnish.

Grade 10 filters are used as prefilters for grades 6 or 8 to remove gross amounts of liquid aerosols or tenacious aerosols which are difficult to drain.

A grade 10 element coupled with media type D is a recommended afterfilter for heat regenerated type dryers. This grade is often referred to as a coarse coalescer.

Water Separator Element (removal of bulk liquids)



Media type 100WS

Air Flow: Inside to Outside

This rolled stainless steel mesh element has two metal retainers with rolled mesh steel in between. It is an extremely robust design.

This media is used for the reduction and elimination of excess liquids in gas streams. Excellent prefiltration for coalescing grades 6 and 10 when extreme quantities of liquid contaminants are present.

Interceptor Element (removal of particulate)



Media type 3P

Air Flow: Outside to Inside

This particulate element is constructed of pleated cellulose with a 3 micron rating. It is metal retained for added strength and includes an outer synthetic fabric layer.

3P particulate interceptor elements are used where very high dirt holding capacity and relatively fine pore structure are required.

Adsorption Element (removal of odor)



Media type A

Air Flow: Outside to Inside

This hydrocarbon vapor removal element consists of an ultrafine grained, highly concentrated, activated carbon sheet media. It is metal retained for added strength and includes an outer synthetic fabric layer.

This media is used to remove hydrocarbon vapor and is safe for breathing air.

Finite® Media Specifications

Grade Designation	Coalescing Efficiency 0.3 to 0.6 Micron Particles	Maximum Oil Carryover ¹ PPM w/w	Micron Rating	Pressure Drop (PSID) @ Rated Flow ²	
				Media Dry	Media Wet With
6	99.97%	0.008	0.01	1.5	4.0
7	99.5%	0.09	0.5	0.25	0.5
8	98.5%	0.2	0.5	1.0	3.5
10	95%	0.85	1.0	0.75	2.5
100WS	N/A	N/A	100	<0.25	<0.50
3P	N/A	N/A	3.0	0.25	N/A
A	99%+ ³	N/A	N/A	1	N/A

¹Tested per ADF-400 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

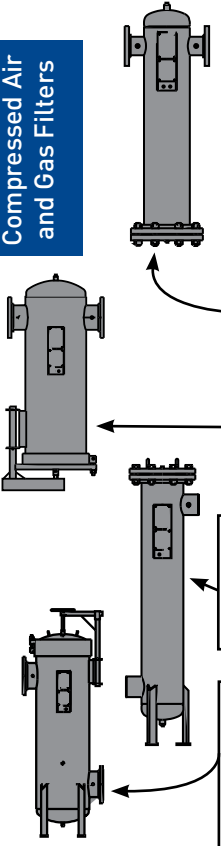
³Oil vapor removal efficiency is given for A media.

End Seals available:

End Seals	Available on Media type:	Max temp of element with end seal
U: Molded Urethane (standard)	C	225°F (107°C)
	Q	
	3P	
S: Molded Silicone Rubber	C	350°F (177°C)
	Q	350°F (177°C)
	D	450°F (232°C)
	3P	350°F (177°C)
	V: Fluorocarbon gaskets on metal end caps	C
V: Fluorocarbon gaskets on metal end caps	Q	350°F (177°C)
	D	450°F (232°C)
	7CVP	225°F (107°C)
	7DVP	400°F (204°C)
	100WS	350°F (177°C)
	3P	350°F (177°C)
	A	225°F (107°C)

Housing Selection Chart

Compressed Air
and Gas Filters



Housing Assembly	Replacement Element Number	Port Size (Inches)	Port Type	Number of Elements	Rated Flows: SCFM @ 100 PSIG (m³/hr @ 7 bar)		
					Grade 6/A	Grade 8	Grade 10/3P/7CVP/100WS
Line Mount Vessels							
HT3-801	51-280	3	NPT	1	1500 (2540)	1800 (3050)	2490 (4230)
FT3-801	51-280	3	FLANGE	1	1500 (2540)	1800 (3050)	2490 (4230)
FT4-1201	85-250	4	FLANGE	1	2000 (3390)	2400 (4070)	3320 (5640)
FT6-1201	85-360	6	FLANGE	1	3000 (5090)	3600 (6110)	4980 (8460)
FT6-1603	51-280	6	FLANGE	3	4500 (7640)	5400 (9170)	7470 (12690)
Floor Mount Vessels							
HF3-801	51-280	3	NPT	1	1500 (2540)	1800 (3050)	2490 (4230)
FF3-801	51-280	3	FLANGE	1	1500 (2540)	1800 (3050)	2490 (4230)
FF4-1201	85-250	4	FLANGE	1	2000 (3390)	2400 (4070)	3320 (5640)
FF6-1201	85-360	6	FLANGE	1	3000 (5090)	3600 (6110)	4980 (8460)
FF6-1603	51-280	6	FLANGE	3	4500 (7640)	5400 (9170)	7470 (12690)
FF8-1804	51-280	8	FLANGE	4	6000 (10190)	7200 (12230)	9960 (16920)
FF10-2207	51-280	10	FLANGE	7	10500 (17830)	12600 (21400)	17430 (29610)
FF12-3011	51-280	12	FLANGE	11	16500 (28030)	19800 (33640)	27390 (46530)
FF16-3615	51-280	16	FLANGE	15	22500 (38220)	27000 (45870)	37350 (63450)

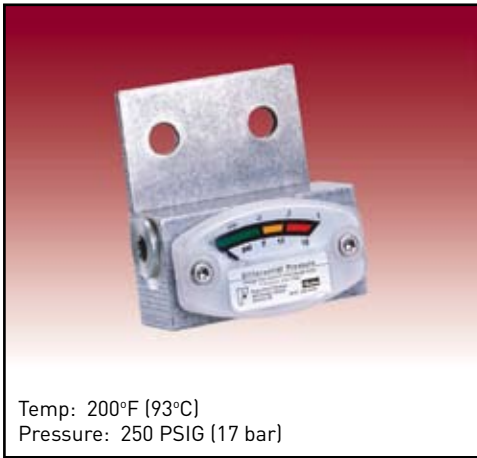
How To Order

F	F	6 - 12	01 - 6	Q	U		
Port Type	Config.	Port Size	Filter Body (O.D. nom.)	Number of Elements	Media Grade	Media Type	End Seals
H - NPT F - Flange	F - Floor Mount T - Line Mount	3 - 3" 4 - 4" 6 - 6" 8 - 8" 10 - 10" 12 - 12" 16 - 16"	8 - 8" 12 - 12" 16 - 16" 18 - 18" 22 - 22" 30 - 30" 36 - 36"	01 - 1 Element 03 - 3 Elements 04 - 4 Elements 07 - 7 Elements 11 - 11 Elements 15 - 15 Elements	6 8 10 7CVP 100WS 3P A	C - Microglass coalescer Q - Coalescer w/built in prefilter D - High Temp. microglass Leave Blank for 7CVP Leave Blank for 100WS Leave Blank for 3P Leave Blank for A	U - Urethane Can be used for media types: C, Q, 3P S - Silicone Can be used for media types: C, Q, D, 3P V - Fluorocarbon Can be used for media types: C, Q, D, 3P Standard on: 7CVP, 7DVP, 100WS, A
See chart above for information on housing assemblies.			See chart above for more information.		See pages 26-27 for more information.		
Example: FF6-1201-6QU							

How to order replacement elements:

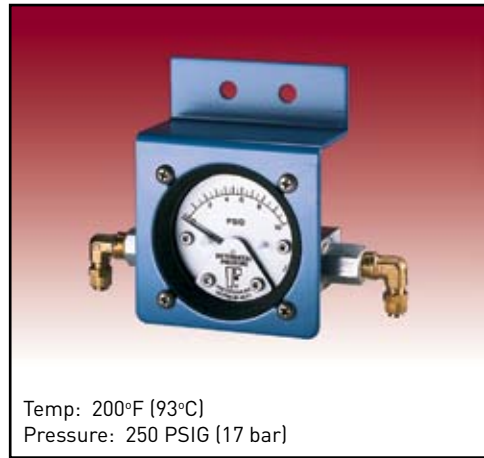
1. Choose the media grade, type and end seals that you need.
2. Look in the Housing Selection Chart above and find the respective Replacement Element Number.
3. Put 1 & 2 together. For example: 6QU51-280 or 7CVP85-250.

Accessories



Temp: 200°F (93°C)
Pressure: 250 PSIG (17 bar)

KBDPG-15
Differential Pressure Gauge Kit



Temp: 200°F (93°C)
Pressure: 250 PSIG (17 bar)

KBDPI-25
Differential Pressure Gauge Kit



Temp: 450°F (232°C)
Pressure: 150 PSIG (10 bar)

ADT-50
Float Actuated Drain Trap



Temp: 140°F (60°C)
Pressure: 250 PSIG (17 bar)

ZLD-10
Zero Air Loss Condensate Drain



Temp: 210°F (99°C)
Pressure: 300 PSIG (20 bar)

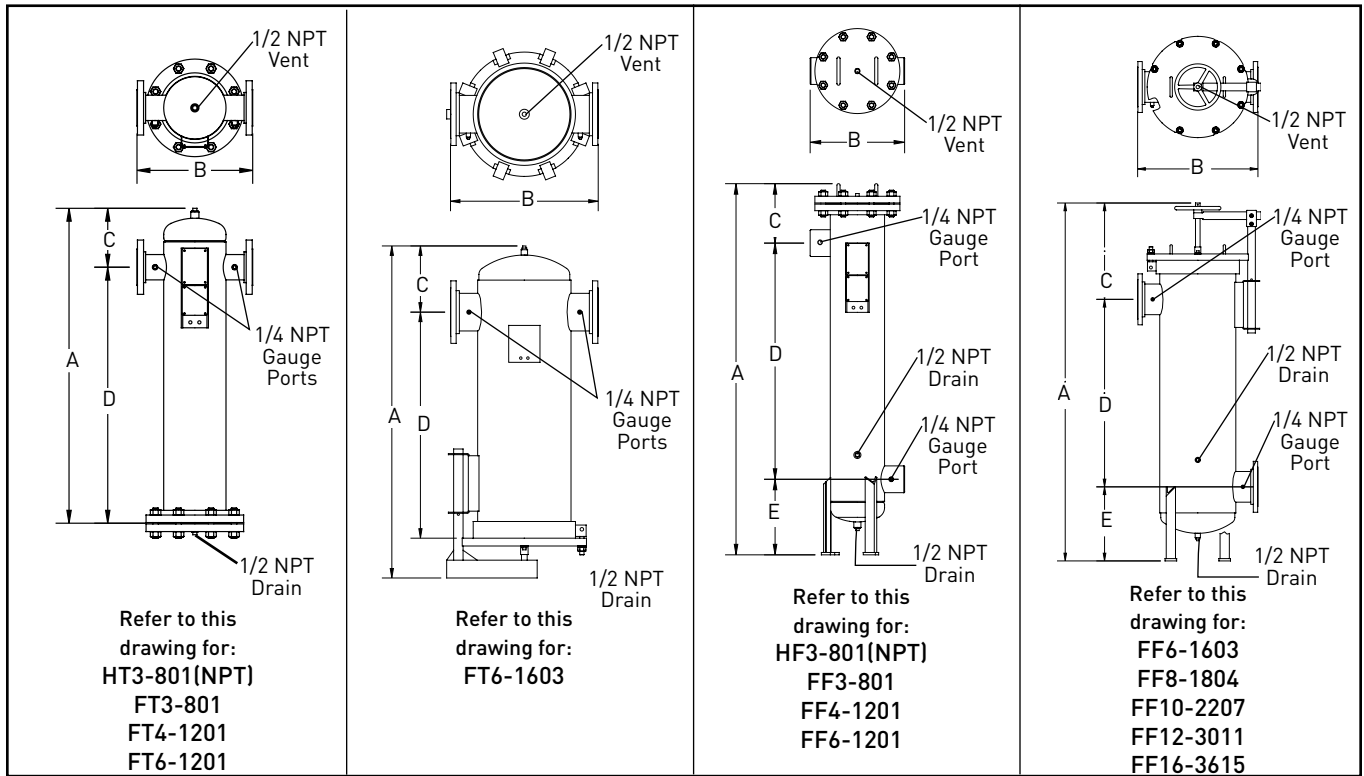
TV-50
Timed Solenoid Valve Drain Trap
Note: All accessories are sold separately.



Temp: 450°F (232°C)
Pressure: 250 PSIG (17 bar)

ADS-50
Float Actuated Stainless Steel
Drain Trap

Drawings, Dimensions & Specifications



Dimension ¹	A	B	C	D	E	Element Removal Clearance	Sump Capacity ²	Weight ³
HT3-801	43.1 (109.5)	15.0 (38.1)	7.7 (19.5)	35.4 (89.9)		28 (71.1)	0.81 (3)	190 (86)
FT3-801	43.1 (109.5)	16.0 (40.6)	7.7 (19.5)	35.4 (89.9)		28 (71.1)	0.81 (3)	190 (86)
FT4-1201	42.7 (108.5)	20.0 (50.8)	9.7 (24.6)	33.0 (83.8)		25 (63.5)	2.0 (7)	380 (173)
FT6-1201	56.4 (143.3)	20.0 (50.8)	11.4 (29.0)	45.0 (114.3)		36 (91.4)	2.0 (7)	380 (173)
FT6-1603	57.8 (146.8)	26.0 (66.0)	11.0 (27.9)	39.8 (101.1)		28 (71.1)	2.0 (7)	340 (155)
HF3-801	58.9 (149.6)	15.0 (38.1)	9.4 (23.8)	37.5 (95.2)	12.0 (30.4)	28 (71.1)	1.1 (4)	190 (86)
FF3-801	58.9 (149.6)	16.0 (40.6)	9.4 (23.8)	37.5 (95.2)	12.0 (30.4)	28 (71.1)	1.2 (4)	200 (91)
FF4-1201	63.3 (160.7)	20.0 (50.8)	12.3 (31.2)	35.0 (88.9)	16.0 (40.6)	25 (63.5)	4.2 (16)	370 (168)
FF6-1201	75.3 (191.2)	20.0 (50.8)	12.3 (31.2)	47.0 (119.3)	16.0 (40.6)	36 (91.4)	3.6 (14)	410 (186)
FF6-1603	77.3 (196.3)	26.0 (66.0)	20.8 (52.8)	40.5 (102.8)	16.0 (40.6)	28 (71.1)	5.0 (19)	340 (155)
FF8-1804	87.3 (221.7)	30.0 (76.2)	25.8 (65.5)	42.5 (108.0)	19.0 (48.3)	28 (71.1)	8.7 (33)	550 (250)
FF10-2207	96.0 (243.8)	34.0 (86.3)	28.5 (72.4)	45.5 (115.5)	22.0 (55.8)	28 (71.1)	14.8 (56)	750 (341)
FF12-3011	101.0 (256.5)	44.0 (111.7)	27.5 (69.8)	47.5 (120.6)	26.0 (66.0)	28 (71.1)	25.5 (97)	1300 (591)
FF16-3615	112.0 (284)	52.0 (132.0)	32.0 (81.3)	50.0 (127.0)	30.0 (76.2)	28 (71.1)	56.2 (231)	1700 (773)

¹Dimensions are in inches (centimeters.) ²Sump Capacity is in gallons (liters.) ³Weight is in pounds (kilograms.)

Materials of Construction

- Body:** Carbon Steel
- Paint:** Epoxy Enamel (Gray)
- Internals:** Epoxy powder painted carbon steel
- Max Temperature:** 450°F (232°C)
- Seals:** Inorganic flange gasket (single element vessels)
Fluorocarbon o-ring (multi element vessels)
- Internal Coating:** Epoxy enamel

Specifications

- Max Pressure:** 185 PSIG (12.5 bar)
- Meets A.S.M.E. Code, Section VIII, Division 1**
- Note: Consult factory for special requirements.

Maintenance Bulletin - ASME Series (3" NPT to 16" Flange)

Caution!

1. Vessels are shipped from the factory without element(s). The element(s) are shipped separately. The vessel should be set and plumbed before installation of element(s) and a differential pressure gauge to minimize the possibility of damage.
2. Air temperature must be below 200° F when using the nylon tubing supplied with the differential pressure gauge kit. Use copper or stainless steel tubing for higher temperature applications, and remote mount the gauge (do not attach to vessel nameplate bracket).

Air Flow Direction for Coalescing:

When coalescing liquid aerosols from an airstream, the waste liquid must be drained from the vessel sump. In order for this liquid to be properly drained, the air must flow from the inside of the element to the outside. **

** Be especially careful when plumbing a vessel containing "DS" or "DV" element(s). This high temperature element is commonly used as either a coalescer (liquid removal) or a particulate filter. Inlet and outlet labels are installed at the factory denoting coalescing (in to out) flow.

Proper Flow Directions:

Inside to Out: All elements used for coalescing, ("C", "Q", "7CVP", "7DVP", and "D") and water separation ("100WS").

Outside to In: All elements used for particulate removal only; adsorbers, particulate, and high temperature ("A", "P" and "D") elements.

WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application including consequences of any failure, and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

Repair Parts

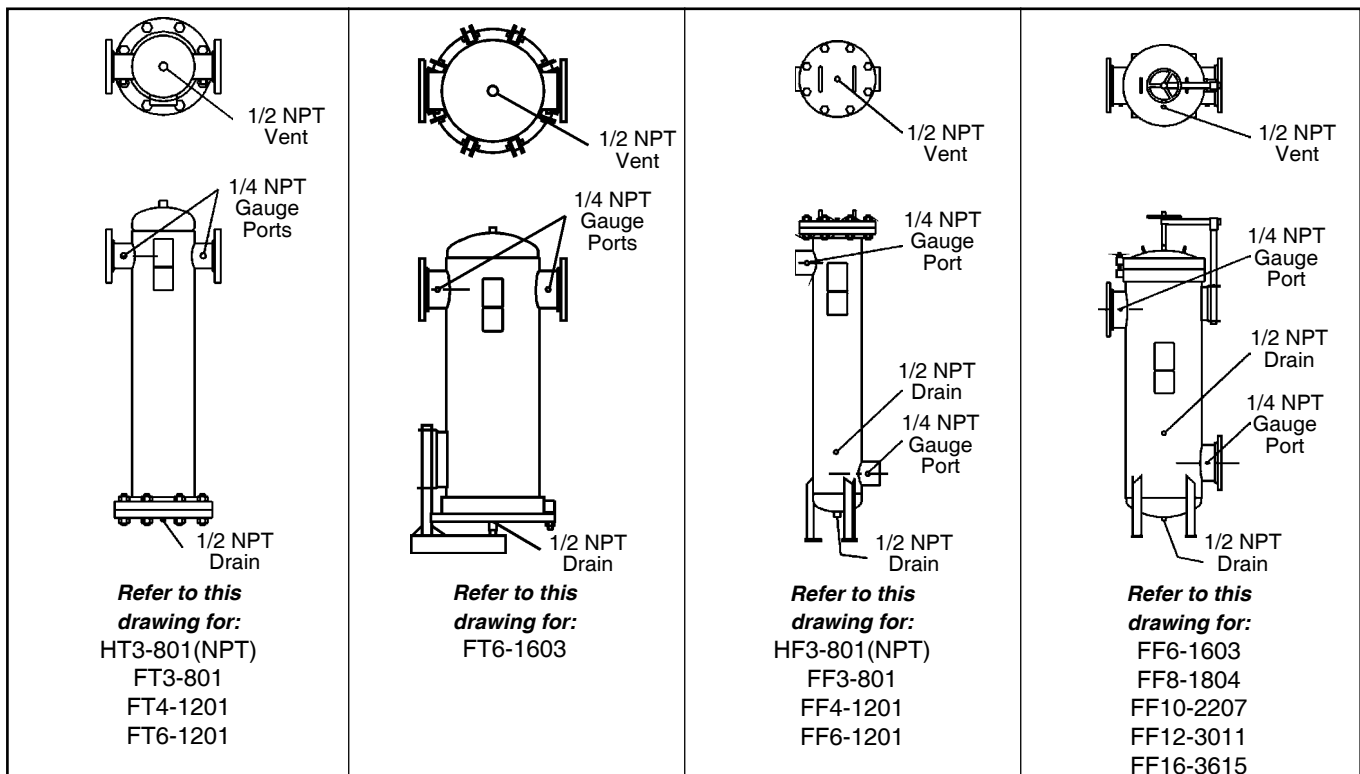
Part Number	Complete Frame Kit	Frame	Seal Nut	End Cap	Housing Closure Seal
HT3-801	KV-2A	80055	71054	80000	80005
FT3-801	KV-2A	80055	71054	80000	80005
FT4-1201	KV-5A	80063	71054	80003	80007
FT6-1201	KV-6A	80076	71054	80003	80007
FT6-1603	KV-2A	80055	71054	80000	76463V
HF3-801	KV-2A	80055	71054	80000	80005
FF3-801	KV-2A	80055	71054	80000	80005
FF4-1201	KV-5A	80063	71054	80003	80007
FF6-1201	KV-6A	80063	71054	80003	80007
FF6-1603	KV-2A	80055	71054	80000	76463V
FF8-1804	KV-2A	80055	71054	80000	76467V
FF10-2207	KV-2A	80055	71054	80000	76472V
FF12-3011	KV-2A	80055	71054	80000	75035V
FF16-3615	KV-2A	80055	71054	80000	75036V

Initial Installation Notes

1. Remove element from carton. Be careful not to damage media O.D. or elastomer end seals.
2. Inlet and outlet gauge ports should be plugged if unused.
3. Drain valve(s), whether manual or automatic, should be closed.
4. To avoid damage, install element(s) after housing has been plumbed and inspected. Follow "Element Replacement" procedure.
5. Check flow direction of elements on page 32.
6. Slowly initiate flow to avoid exceeding element Maximum flow rate, especially in high volume systems.
7. Avoid venting the air system so as to cause a reverse flow through the vessel.

Element Replacement

1. Depressurize housing, remove closure bolts and cover.
 2. Unscrew and remove element retainer nut and blank end cap.
 3. Pull clogged element straight out, avoiding element frame and discard.
 4. Clean blank and closure end cap sealing surfaces and inspect for damage. (If sump requires cleaning, element frame is pipe thread mounted and can be removed by rotating C-C-W. - notch provided.)
 5. Wipe new element seals off and carefully place element over element frame. Squarely seat against flat end cap sealing surface.
 6. Replace blank end cap squarely against element seal and replace retainer seal nut.
- Tighten only until element seals are slightly compressed.**



INSTALLATION

Finite filters should be installed in a level pipeline mounted vertically, the vessel sump downward with one element length clearance above or below vessel for element removal. The filter should be installed at the highest pressure point available, and as near as possible to the equipment to be protected and have a drip leg immediately upstream. The coalescers and particulate filters should be visible and easily accessible for periodic draining and maintenance.

The filters should be piped in accordance with the "IN" and "OUT" labels. Should these tags become unreadable, install the coalescer so that flow passes through the filter tube from inside-to-outside. Plumb particulate and adsorber filters so that flow passes through the filter from outside-to-inside. The various filter locations relative to other equipment should be as follows (unless specific instructions are given to the contrary):

- (1) COALESCERS and WATER SEPARATORS (WS) (liquid removal) are placed before the dryer.
- (2) The INTERCEPTOR (particulate removal) should be installed ahead of the COALESCER when prefiltration is required.
- (3) The INTERCEPTOR (particulate removal) can also be installed downstream of desiccant dryers to prevent desiccant migration.
- (4) The ADSORBBER (vapor removal) is always preceded by a COALESCER.

When Coalescer or Interceptor differential pressure reaches clogged condition (6-8 PSID) replace element immediately. DO NOT ATTEMPT TO CLEAN FILTER TUBE. System contamination can result. DO NOT BY-PASS THE COALESCER unless the by-pass line is also filtered.

OPERATION

Air coalescing is a continuous, balanced, steady-state process occurring at or below rated flow, which depends on two factors for high performance: (1) The vessel sump must be kept free of waste liquid buildup and (2) The element must be replaced when the differential pressure reaches 6-8 psid, 12 psid Maximum. Differential pressure can be sensed at the inlet and outlet ports by two gauges, or by Finite's KBDPI-25 differential pressure gauge.

Vessel sump draining is accomplished by opening the customer supplied manual drain valve, at least once every 8 hours depending on the liquid load. Connecting an automatic drain to the vessel sump is highly recommended. (See literature on Finite's TV-50, TD-50 or ZLD-10 timed drain valves.)

Floor standing vessels have two sumps and two drain connections. Never connect these drains together as contamination of the outlet gas will occur. Two separate drain lines with separate drain traps or valves should be used to ensure that contamination will not occur.

A Finite coalescer, under normal system conditions, will operate for 6 to 12 months before reaching its Maximum differential pressure. A "PU" series Interceptor, or a "QU" series coalescing element with a pleated prefilter can be employed ahead of the coalescer to increase its life. The interceptor should be replaced when its differential pressure reaches 8 - 10 psid.

Finite coalescers are designed for nominal operation with 10-20 wt. oil. Any viscosity increase over that of 20 wt. oil must be offset by a proportionate oversizing of the filter element. Consult your Finite representative.

TROUBLESHOOTING CHART

Problem	Probable Cause	Solution
Too High Initial Pressure Drop	Air flow Excessive for housing size. Filter media grade too fine.	Install larger filter housing. Install coarser element.
	Too much oil/water from compressor.	Pre-coalesce with grade 10 - oversize housing.
Premature Clogging (Air Flow Drops Off)	Lubricant improperly selected for compressor, causing varnish or carbonizing of lubricant.	Change oil, consult with lubricant supplier.
	Excessive inlet particulate contamination.	Prefilter with Interceptor.
	Excessive lubricants present on element caused by either high lubricant viscosity or very high inlet aerosol level.	Prefilter with Grade 10 and oversize coalescer to compensate.
	Oil/water emulsion forming on element.	Remove water by drip leg, aftercooler. Install mechanical separator upstream.
Oil Present Downstream of Filter	Ice forming or oil viscosity too high due to Excessively low unit temperature.	Raise temperature.
	Bowl not properly drained of waste liquids.	Drain regularly, use auto drain.
	Element not sealing.	Clean sealing surfaces or replace element.
	Filter piped backwards.	See "INSTALLATION"; Re-pipe.
	Filter being by-passed by valving.	Close valve.
	Contaminated air entering system from second source downstream.	Change pipe or relocate filter.
Oil Present Downstream of Filter	Excessive inlet oil level.	Check source and eliminate.
	Element damaged, chemically attacked or not installed in housing.	Change and consult distributor or factory for other than neutral pH.
	Oil present in pre-contaminated downstream piping.	Clean piping.

Notes:



www.finitefilter.com

finitefilter@parker.com



BA-Series

Dual-Stage Compressed Air Filters

- Coalescer/Adsorber Combination Unit
- Flows 75 SCFM (128 m³/hr)
- Pressures to 500 PSIG (34 bar)

Compressed Air
and Gas Filters

Bulletin 1300 - 905/USA



Finite[®]

Finite® Breathing Air Purifiers

Dual-Stage Compressed Air Filters - BA-Series



Finite®'s BA-Series purifiers are available in 1/4" - 1" NPT connection sizes.

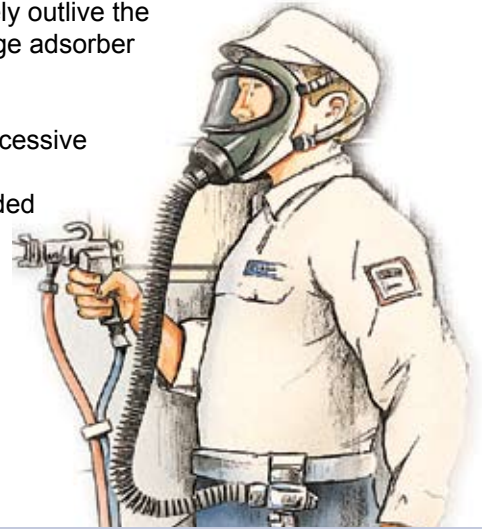
BA-Series filters are designed to be used as point-of-use breathing air filters. This combination unit contains both a fine grade coalescing filter element and an activated carbon vapor removal element.

BA-Series filters may also be used in applications requiring compressed air to be free of odor or taste-bearing hydrocarbons. Food/beverage applications are an example of where compressed air comes in contact with the product. The BA-Series can also be used as a prefilter for critical needs such as zero air generators, membrane filters and many others!

Replacement elements are supplied in convenient repair kits which include one coalescing element, two activated carbon adsorber elements, and replacement seals. Two adsorber elements are supplied because the stage one coalescer will routinely outlive the extremely sensitive second stage adsorber element.

For severe applications with Excessive solid and liquid contaminants, the BA-Series should be preceded by Finite® H-Series (Bulletin 1300-993/USA) pre-coalescer or interceptor filters.

Finite® also supplies pressure regulators which can be used downstream of the BA-Series to lower system operating pressures to desired levels for breathing air applications. Please refer to Finite® bulletin 1300-703-3/USA.



Finite®'s BA - Series Offers...

- Connection sizes: 1/4" - 1" NPT
- Flows: Up to 75 SCFM (128 m³/hr)
- Maximum Pressure: 500 PSIG (34 bar)
- Maximum Temperature: 175° F (79° C)
- Drain Port: 1/8" NPT with standard manual drain (float drain available)

Typical Applications

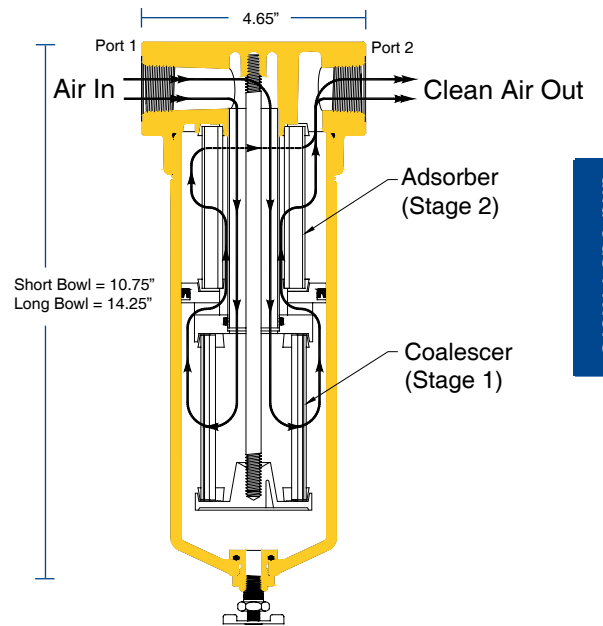
- Industrial Breathing Air
- Aircraft Cabin Air
- Zero Air Generator Prefilter
- Instrument Air
- Food Processing/Packaging
- Membrane Prefiltration
- Instrument Air Dryer Prefilter

How it works

Compressed air enters port: 1 of the housing and is directed down a hollow chamber into the first-stage coalescing element (bottom). Oil, water and solid contaminant is removed with a 99.97% or higher efficiency as the air flows from the inside of the element to the outside. The coalesced liquid drains off the element into the bowl where it is removed either manually, or by an automatic float drain. The oil-free air then is redirected upwards to the inside of the adsorber element

(top) by means of a non-bypassing separation device. The second stage's activated carbon element collects hydrocarbon vapors as the air flows from the inside to the outside of the element. The purified air then exits through port 2 of the housing.

Note: This product does not remove toxic gases from the air stream. A carbon monoxide monitor is recommended.



Compressed Air and Gas Filters

Choice of media types

All BA filters have an activated carbon element (Stage 2). Depending on the application, you may either choose to use a micro-glass coalescer (C) or a micro-glass coalescer with a built-in prefilter (Q) (Stage 1.)

Stage 1

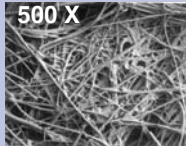


C: Micro-glass coalescer

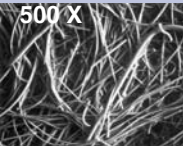


Q: Micro-glass coalescer with built-in pleated prefilter

Grade 4



Grade 6



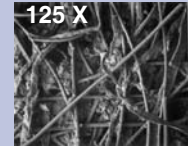
Stage 1 coalescers come in grade 6 (standard) or grade 4. Choose grade based on coalescing efficiencies in the chart

Stage 2



A: Activated Carbon

Grade A



Stage 2 adsorber polishes air stream of final trace amounts of hydrocarbon vapors with an efficiency of 99%+.

Coalescing Media Specifications

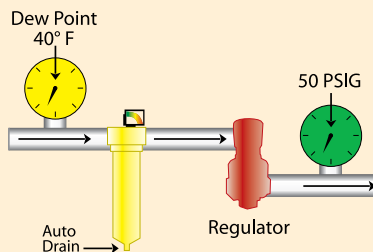
Grade Designation	Coalescing Efficiency .3 to .6 Micron Aerosols	Maximum Oil Carryover ¹ PPM w/w	Micron Rating
4	99.995%	.003	.01
6	99.97%	.008	.01

¹Tested per ADF-400 at 40 ppm inlet.

Q. What is the expected life of my BA-Series filter element?

A. expected life of the filter elements is entirely dependent on the quality of the incoming compressed air, but can be several thousand hours. However, the elements should be changed whenever odors and/or taste become present regardless of hours in operation.

Application:



Use any compressor with aftercooler and refrigerated dryer. Air intended for use as industrial breathing air and in decompression chambers. CAUTION:

Always use high temperature synthetic lubricants and monitor (alarm) for carbon monoxide concentrations exceeding established Maximum recommended levels. This system will not eliminate toxic gases!

OTHER SPECS MET: O.S.H.A. 29CFR 1910.134

Flow Ratings:

Part Number	BAN1L		BAN15L		BAN2L		BAN3S		BAN4S		BAN3L		BAN4L	
	4	6	4	6	4	6	4	6	4	6	4	6	4	6
Grade														
Max. Rated Flow (SCFM) at 100 PSIG	10	14	12	16	14	18	25	30	35	45	40	60	50	75
Δp (dry)	2.0		2.0		2.0		1.5		2.0		1.5		2.0	
Δp (wet)	4.0		4.0		4.0		3.5		4.0		3.5		4.0	

Note: The differential pressure (Δp) includes the effects of the housing and both elements.

How to Order

Complete Dual-Stage Assemblies

BA	N	3	L	6	C	U	G
Series Name	Port Type	Port (Connection) Size	Bowl	Element Grade	Element Type	End Seal	Accessory Designator
	N - NPT	1 - 1/4" 15 - 3/8" 2 - 1/2" 3 - 3/4" 4 - 1"	L - Long S - Standard <small>(S available on 3/4" and 1" port size only)</small>	4 6	C Q	U = Urethane <small>(Standard on all elements)</small>	A - Auto Drain D - DPI Indicator <small>(1/4"-1/2" only)</small> G - DPG Gauge N - No Accessories W - A + D <small>(1/4"-1/2" only)</small> Y - A + G

Note: Designate first stage; grade and media type, second stage; media type will always be "A" media, and is not designated in the part number

For Example: BAN3L-6CUG

BA-Series Replacement Elements

K	BA	3	L	6	C	U
Repair Kit	Series Name	Port (Connection) Size	Bowl	Element Grade	Element Type	End Seal
		1 - 1/4" 15 - 3/8" 2 - 1/2" 3 - 3/4" 4 - 1"	S - Standard L - Long <small>(S available on 3/4" and 1" port size only)</small>	4 6	C Q	U = Urethane <small>(Standard on all elements)</small>

Note: Each repair kit contains (1) coalescing element, (2) activated carbon adsorber elements and replacement seals.

For Example: KBA3L-6CU

Mounting brackets available: BK-M (1/4" - 1/2" connections); BK-3 (3/4" - 1" connections).



Micro-Series

Air/Gas Microfiltration Products

Membrane Elements and Housing Assemblies For:

- Semiconductor/Microelectronics
- Medical/Pharmaceutical
- Food and Beverage

Bulletin 1300 - 450/USA

Compressed Air
and Gas Filters



Finite[®]

Finite's Air and Gas Microfiltration Products - Micro-Series

Finite® Filter's Micro-Series filters are designed to provide absolute rated membrane filtration for the semiconductor, pharmaceutical, and food and beverage markets. Our pleated membrane media offers absolute removal ratings for contaminants as small as 0.01 µm while providing lower differential pressures than competitive membrane products.

Finite's pleated PTFE media has the lowest pressure drop at rated flow and the highest efficiency in the filtration industry. These important factors provide substantial savings for our customers.

All filter housings are constructed of 316L stainless steel and have a Maximum pressure rating of 150 PSIG/10 bar. Connection sizes range from 1" NPT to 6" flange.



Industries & Applications

Semiconductor/Microelectronics

Clean, dry air (CDA) final filters
Hard disk manufacturing
Automated disk testers

Wafer drying systems
CDA to replace use of nitrogen
Wafer polishing equipment

Pharmaceutical/Medical

Bag cleaning
Laboratory air
Filtration of bulk gases

Bottle filling machines
Venting of holding tanks
Gas calibration equipment

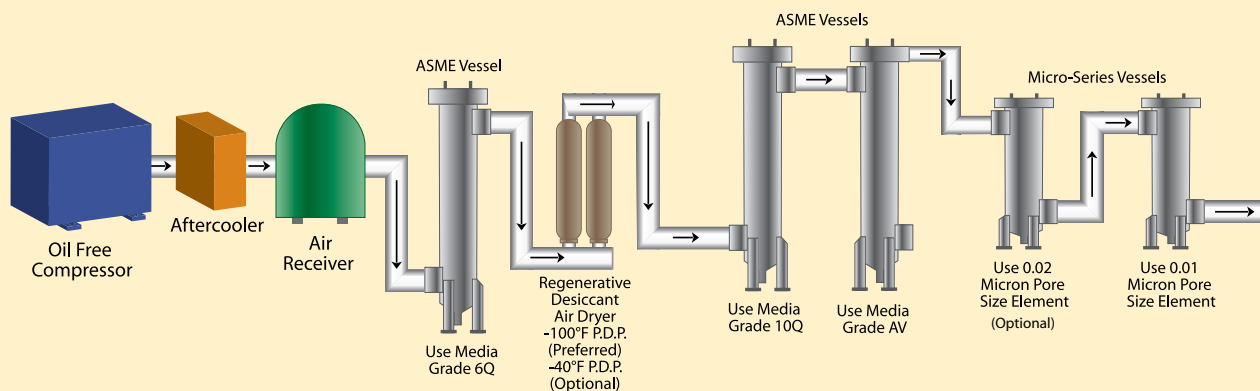
Food and Beverage

Aseptic packaging
Blow molding
Purging

Air bearings/motors
Conveying
Tank padding

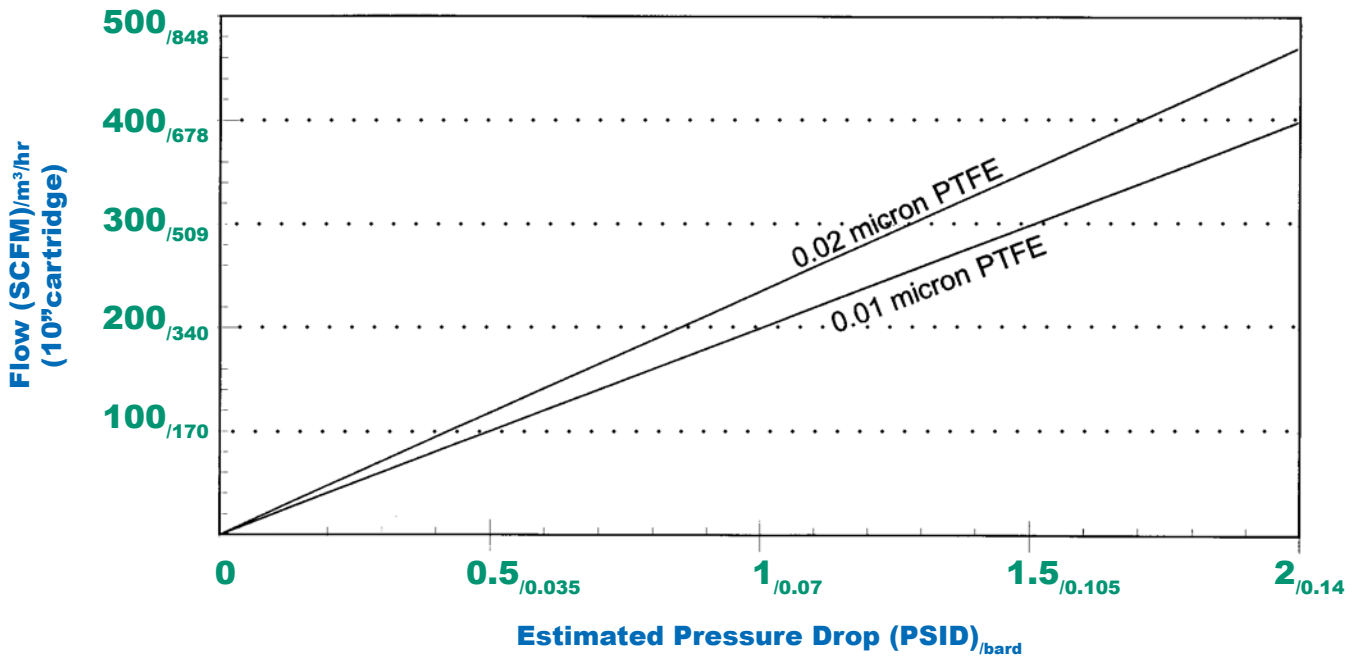
Typical Clean, Dry Air (CDA) Installations

ASME Vessels are described on pages 23-34.



Media Selection

Flow vs. Dry Pressure Drop
at 100 PSIG_{/7 bar}



Features and Benefits - PTFE Membrane

- PTFE membrane media is non-fiber releasing and provides broad chemical compatibility
- High flow rates and optimized surface area reduce filter consumption
- 100% Integrity tested
- Pleated construction provides large high purity filtration area for Maximum yields
- Biosafe in accordance with USP Class V1-121°C Plastics Tests
- Polypropylene support hardware with fluorocarbon o-ring seals withstands demanding operating conditions
- Narrow pore size distribution ensures the ultimate in retention and flow rate
- All materials of construction are FDA listed as acceptable for food contact according to CFR Title 21
- Manufactured and packaged in Class 10 clean room
- 99.999999% (8 log) efficiency at specified removal ratings (0.01 μm, 0.02 μm)

Membrane Element Specifications

Sealing Technology: Thermal Bonding

O-Rings/Gaskets: Fluorocarbon

Maximum Differential Pressure (FWD): 60 PSID

Maximum Differential Pressure (REV): 50 PSID

Packaging: Double bagged in Class 10 clean room



Double Open Ended-D.O.E.
(MT Housing Series)



222/Flat
(MF Housing Series)

PTFE Membrane Elements

(PTFE Membrane Elements have polypropylene membrane support and polypropylene end caps)

	Finite P/N	Micron Rating	Bubble Point (PSIG /bar)	Surface Area (SQ. FT. /SQ. Meters)	Max. Temp. °F /°C
Double Open Ended	1BAP20-100V	0.01um	≥24 /1.7	7.5 /0.8	175° F /79° C
	1BAP20-200V	0.01um	≥24 /1.7	15.0 /1.6	175° F /79° C
	2BAP20-100V	0.02um	≥16 /1.1	7.5 /0.8	175° F /79° C
	2BAP20-200V	0.02um	≥16 /1.1	15.0 /1.6	175° F /79° C
222/Flat	1BDP20-100V	0.01um	≥24 /1.7	7.5 /0.8	175° F /79° C
	1BDP20-200V	0.01um	≥24 /1.7	15.0 /1.6	175° F /79° C
	1BDP20-300V	0.01um	≥24 /1.7	22.5 /2.4	175° F /79° C
	2BDP20-100V	0.02um	≥16 /1.1	7.5 /0.8	175° F /79° C
	2BDP20-200V	0.02um	≥16 /1.1	15.0 /1.6	175° F /79° C
	2BDP20-300V	0.02um	≥16 /1.1	22.5 /2.4	175° F /79° C

How To Order Membrane Elements

(Housings must be ordered separately- see Housing Selection Chart on next page.)

1	B	D	P	20	-	200	V
Nominal Pore Size	Materials of Construction	End Cap Configuration	Pleated Media	Nominal Element Diameter		Nominal Length	O-Ring/Gasket Material
1 - 0.01 um 2 - 0.02 um	B - PTFE	A - Double Open* D - 222/Flat	P	20 - 2.7" Outside Dia.		100 - 10 in. 200 - 20 in. 300 - 30 in.	V - Fluorocarbon

*A only available on Nominal Length 10 in.

Housing Selection

Housing Model Number	Port Size	Port Type	# of Elements To Order Per Housing	Element Length	Element Seal Design	Flow (SCFM) _{/m³/hr} @ 100 PSIG, 1 PSID	
						.01 um PTFE	.02 um PTFE
MT1N-0110	1"	NPT	1	10"	D.O.E.	150 _{/254}	225 _{/381}
MT1N-0120	1"	NPT	1	20"	D.O.E.	250 _{/424}	375 _{/636}
MF2N-0310	2"	NPT	3	10"	222/FLAT	600 _{/1017}	720 _{/1220}
MF2F-0310	2"	FLANGE	3	10"	222/FLAT	600 _{/1017}	720 _{/1220}
MF2N-0320	2"	NPT	3	20"	222/FLAT	1200 _{/2034}	1440 _{/2440}
MF2F-0320	2"	FLANGE	3	20"	222/FLAT	1200 _{/2034}	1440 _{/2440}
MF3F-0330	3"	FLANGE	3	30"	222/FLAT	1800 _{/3051}	2160 _{/3661}
MF3F-0520	3"	FLANGE	5	20"	222/FLAT	2000 _{/3390}	2400 _{/4068}
MF3F-0530	3"	FLANGE	5	30"	222/FLAT	3000 _{/5085}	3600 _{/6102}
MF4F-0720	4"	FLANGE	7	20"	222/FLAT	2800 _{/4746}	3360 _{/5695}
MF4F-0730	4"	FLANGE	7	30"	222/FLAT	4200 _{/7119}	5040 _{/8543}
MF6F-1030	6"	FLANGE	10	30"	222/FLAT	6000 _{/10,170}	7200 _{/12,204}
MF6F-1530	6"	FLANGE	15	30"	222/FLAT	9000 _{/15,255}	10,800 _{/18,306}



MT1 Series

- 316L Stainless Steel
- Thru-rod housing design
- 1" NPT threaded inlet and outlet ports
- Threaded vent and drain connections
- T-Type (line mounted design)
- Single double open end element design
- Cartridge lengths 10" and 20" available
- Fluorocarbon seals used throughout

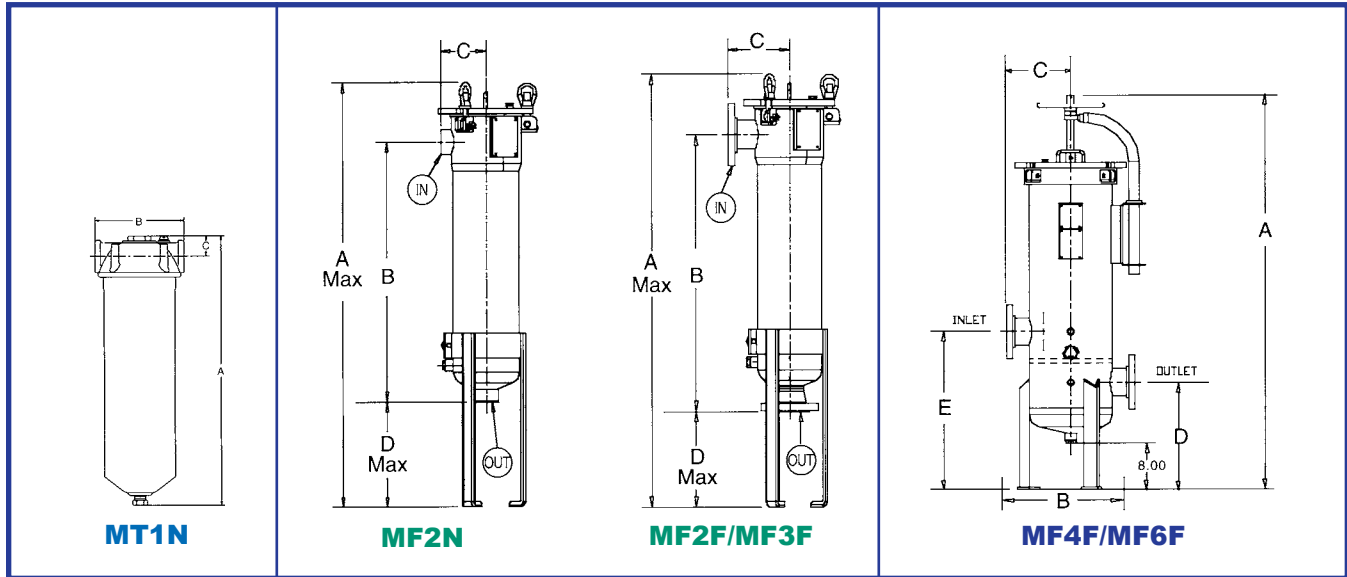
MF2 & MF3 Series

- 316L Stainless Steel
- Single fluorocarbon o-ring for positive housing seal
- Swing bolts w/ eyenuts
- ASME Code - UM Stamped
- Threaded vent and drain connections
- Adjustable leg height
- Flanged or threaded inlet and outlet connections
- Side inlet, bottom outlet

MF4 & MF6 Series

- 316 Stainless Steel
- Single fluorocarbon o-ring for positive housing seal
- Swing bolts w/ eyenuts
- ASME Code - UM Stamped
- Threaded vent, drain, gauge connections
- Mechanical cover lift standard

Drawings, Dimensions & Specifications



	DIMENSION	A	B	C	D	E	WEIGHT					
MT1N-0110	13.38	<small>/33.98</small>	4.44	<small>/11.28</small>	1.25	<small>/3.18</small>	N/A	5	<small>/2.28</small>			
MT1N-0120	23.38	<small>/59.38</small>	4.44	<small>/11.28</small>	1.25	<small>/3.18</small>	N/A	8	<small>/3.63</small>			
MF2N-0310	33.00	<small>/83.82</small>	12.38	<small>/31.45</small>	5.75	<small>/14.60</small>	13.19	<small>/33.50</small>	N/A	82	<small>/37.23</small>	
MF2F-0310	33.00	<small>/83.82</small>	13.56	<small>/34.44</small>	8.00	<small>/20.32</small>	12.00	<small>/30.48</small>	N/A	90	<small>/40.86</small>	
MF2N-0320	43.06	<small>/109.37</small>	22.44	<small>/56.0</small>	5.75	<small>/14.60</small>	13.19	<small>/33.50</small>	N/A	87	<small>/39.50</small>	
MF2F-0320	43.06	<small>/109.37</small>	23.63	<small>/60.02</small>	8.00	<small>/20.32</small>	12.00	<small>/30.48</small>	N/A	95	<small>/43.13</small>	
MF3F-0330	53.13	<small>/134.95</small>	33.94	<small>/86.28</small>	8.00	<small>/20.32</small>	11.75	<small>/29.85</small>	N/A	110	<small>/49.94</small>	
MF3F-0520	43.06	<small>/109.37</small>	23.88	<small>/60.56</small>	8.00	<small>/20.32</small>	11.75	<small>/29.85</small>	N/A	105	<small>/47.67</small>	
MF3F-0530	53.13	<small>/134.95</small>	33.94	<small>/86.21</small>	8.00	<small>/20.32</small>	11.75	<small>/29.85</small>	N/A	110	<small>/49.94</small>	
MF4F-0720	56.13	<small>/142.57</small>	18.00	<small>/45.72</small>	9.00	<small>/22.86</small>	18.00	<small>/45.72</small>	26.50	<small>/67.31</small>	250	<small>/113.50</small>
MF4F-0730	66.19	<small>/168.12</small>	18.00	<small>/45.72</small>	9.00	<small>/22.86</small>	18.00	<small>/45.72</small>	26.50	<small>/67.31</small>	270	<small>/122.58</small>
MF6F-1030	68.19	<small>/173.20</small>	20.00	<small>/50.80</small>	10.00	<small>/25.40</small>	19.00	<small>/48.26</small>	29.50	<small>/74.93</small>	310	<small>/140.74</small>
MF6F-1530	70.38	<small>/178.70</small>	23.25	<small>/59.06</small>	11.63	<small>/29.54</small>	21.00	<small>/53.34</small>	31.50	<small>/80.01</small>	415	<small>/188.41</small>

Note: Dimensions are in inches /centimeters; weight is in pounds /kilograms.

How To Order Membrane Housings

(Elements must be ordered separately)

M

Micro-Series

M - Microfiltration

F

Line or Floor Mount

T - Line Mount
F - Floor Mount

6

Connection

1 - 1" Conn.
2 - 2" Conn.
3 - 3" Conn.
4 - 4" Conn.
6 - 6" Conn.

F

Connection Type

N - NPT (1-2" only)
F - Flange (3-6" only)

-

15

Elements/Housing

01 - 1 Element
03 - 3 Elements
05 - 5 Elements
07 - 7 Elements
10 - 10 Elements
15 - 15 Elements

30

Element Length

10 - 10"
20 - 20"
30 - 30"

Notes:



www.finitefilter.com

finitefilter@parker.com



Instrumentation and Gas Sampling Filters

- Stainless steel, aluminum & plastic housings
- Clear bowls available
- Connections from 1/8" to 2" NPT
- Pressures to 5000 PSIG

Bulletin 1300 - 694/USA

Instrumentation and Steam Filter



Finite®

Finite®

Instrumentation and Gas Sampling Filters

Finite's instrumentation and point-of-use product line offers compressed air/gas filtration solutions for food processing, medical, chemical processing, and compressed natural gas applications.

Typical installations include contaminant removal for breathing air, protection of gas analyzers and prefilters for instrument air dryers.



Our UNI-CAST element technology allows us to vacuum form high-efficiency particulate and coalescing filter elements. Our elements are designed with high void

volumes to provide longer element life while yielding lower pressure drops.

Made directly from the highest quality microglass fibers available, **Finite's** elements are constructed in 5 porosity grades and 9 media types to meet nearly all compressed air/gas applications.

Finite's instrumentation filter housings are carefully engineered to meet critical application specifications. A complete line of stainless steel housings are available with a variety of pressure ratings

and flows for corrosive applications. Combination aluminum head/nylon bowl assemblies are offered for lower operating pressures and temperatures, while disposable plastic in-lines are offered for low flow and OEM applications.

If you have a specific need or are unable to find the compressed air/gas filter your application requires, call us!

Let one of **Finite's** application engineers assist you! Visit us on the web at www.parker.com/finitefilter or call us toll-free 1-800-521-4357 and ask for technical support.

How to select your Finite® Filter...

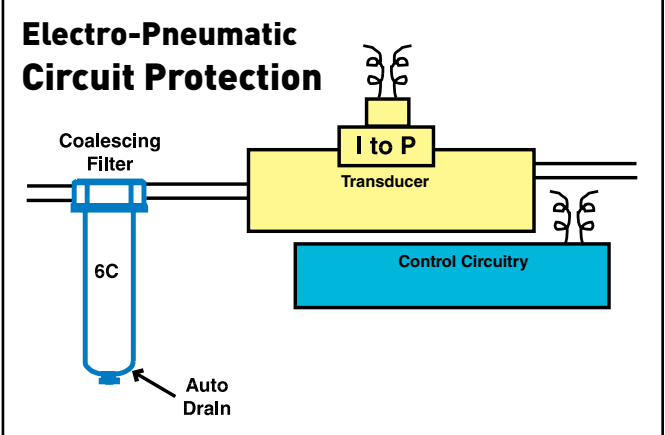
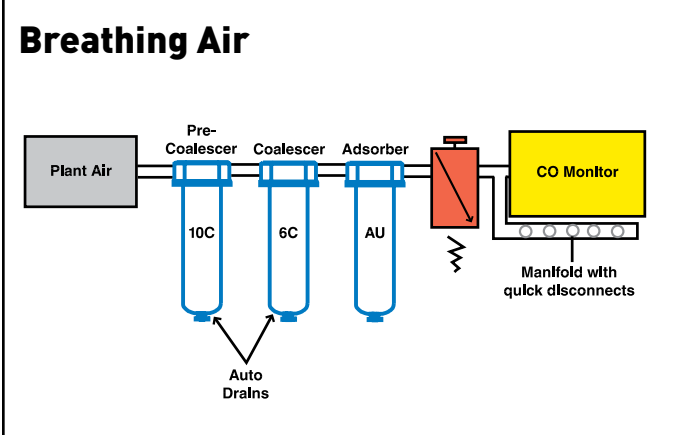
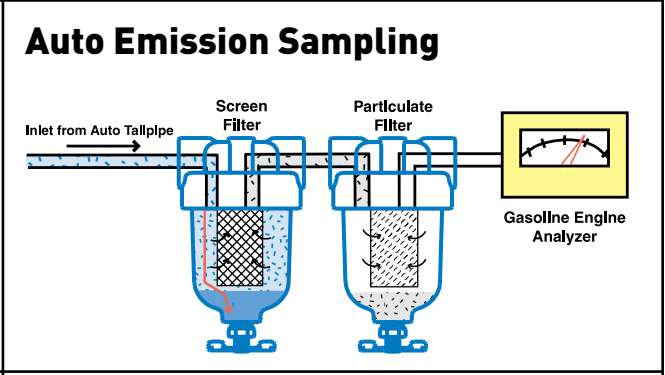
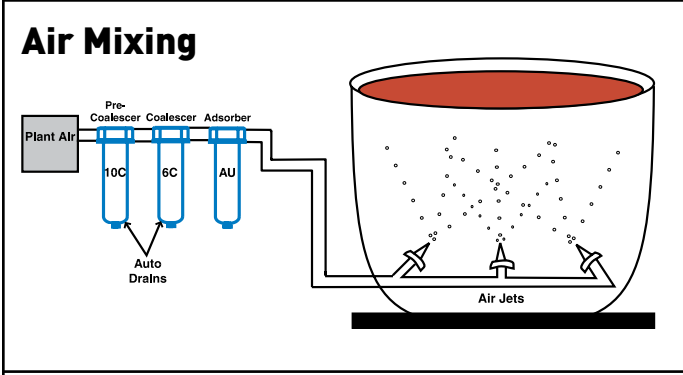
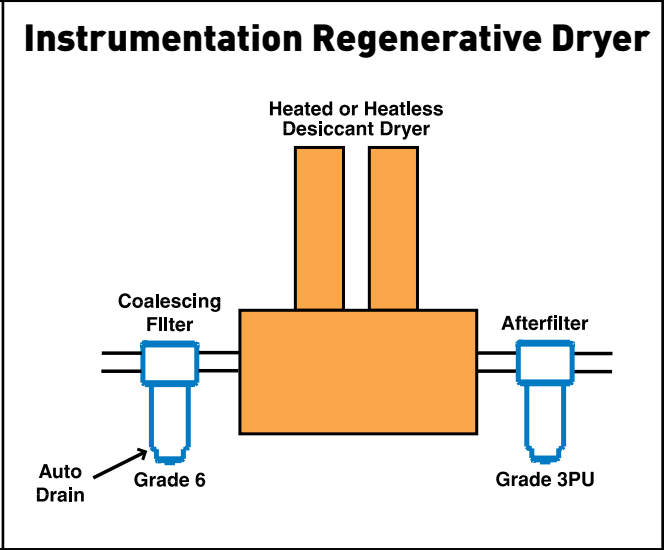
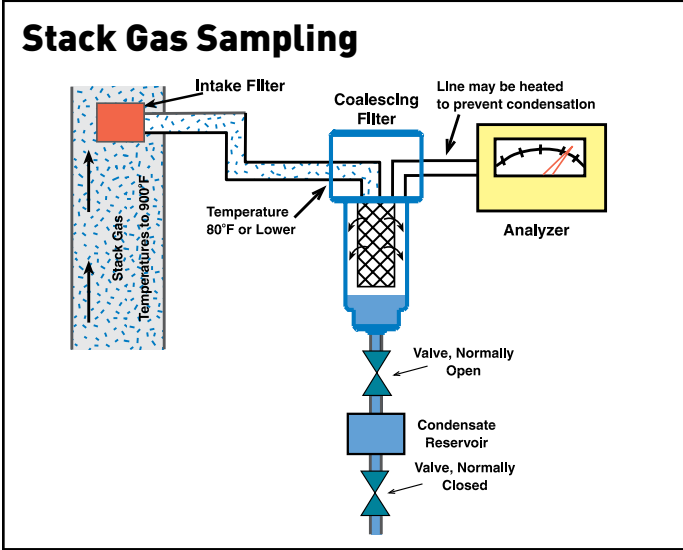
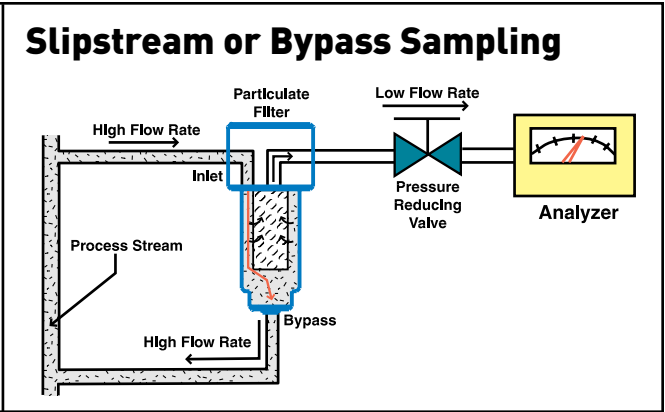
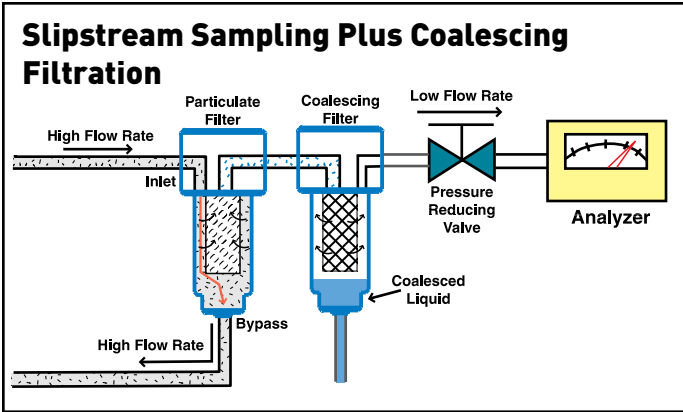
The following steps will help you to choose the correct filter for your application. If there are other factors involved or if you have special requirements, call **Finite's** technical support.

1. Evaluate the requirements of your application. The sketches on page 49 depict popular Examples of gas sampling, process filtration, instrument air and breathing air applications.
2. What type of filtration is needed? (See pages 50-51) Coalescing filter medias remove solid and liquid contaminants from gas streams. Particulate filter media removes solids from gas streams. Adsorber media removes hydrocarbon vapors from gas streams.
3. Are you searching for a specific micron rating ... or efficiency rating? If so, page 51 provides a complete breakdown of **Finite's** filter media grades and their performance specifications.
4. What are the operating conditions of your application? Key criteria to consider: flow, pressure, materials of construction ... stainless steel, nylon, aluminum, etc. Pages 52-58 provide detailed descriptions of the various products available.
5. Sizing - The flow chart on pages 59-60 lists the flow rates (SCFM) at various operating pressures. Filters are available with flows up to 3366 SCFM and pressure ratings up to 5000 PSIG.



Finite® Instrumentation Applications

Instrumentation and Steam Filter



Finite Media Types, Grades and Efficiencies

Coalescing elements:

Coalescing elements are specially designed for the removal of liquid contaminants from gaseous flows. These media types flow from the inside of the element to the outside. Coalesced liquid (water and oil) collects in the bowl where it is drained, while clean air or gas exits the housing through the outlet port. Particulate contaminants are captured and held in the media.



Type C

Coalescing element composed of an epoxy saturated, borosilicate glass microfiber tube in intimate interlocking contact with a rigid retainer. Surrounded by a coarse fiber drain layer, retained by a synthetic fabric safety layer. Some models are available with molded elastomeric end seals (CU), or with metal end caps and fluorocarbon gaskets.



Type H

Coalescing element similar to type "C," however no rigid retainer is used. Typically used in applications with low or constant flow rates.



Type Q

Coalescing element with the same configuration as "C" tube, but with "3P" type pleated cellulose prefilter built-in. Includes molded elastomeric end seals (QU). Some models offer the option of metal end caps and fluorocarbon gaskets.



Type 7CVP

Coalescing element made of pleated glass media. Metal retained for added strength. Includes metal end caps and fluorocarbon gaskets for proper sealing. Only available in grade 7.

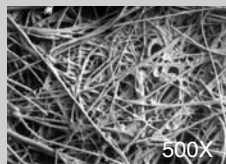
Water Separator element:



Type 100WS

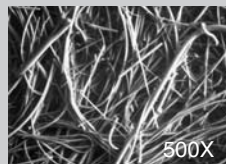
This all stainless steel element has two metal retainers with rolled mesh screen in between. This cleanable element combines liquid droplets and aerosols, separating the liquids from the gas stream in systems with high liquid loads.

Grade 4



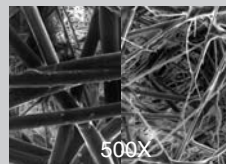
Grade 4 filter elements are very high efficiency coalescers; for elevated pressures or lighter weight gases. Recommended when system pressure exceeds 500 PSIG.

Grade 6



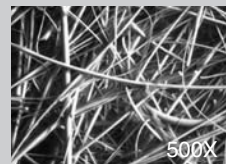
Grade 6 filter elements are used when "total removal of liquid aerosols and suspended fines" is required. **Because of its overall performance characteristics, this grade is most often recommended below 500 PSIG.**

Grade 7CVP



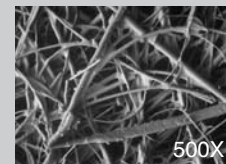
Grade 7CVP filter elements are made with two layers. The inner layer (left) effectively traps dirt particles, protecting and extending the life of the outer layer. The coalescing outer layer (right) consists of a dense matrix of glass fibers, providing highly efficient aerosol removal.

Grade 8



Grade 8 filter elements provide high efficiency filtration in combination with high flow rate and long element life.

Grade 10



Grade 10 filters are used as prefilters for grade 6 to remove gross amounts of aerosols or tenacious aerosols which are difficult to drain. This grade is often used as a 'coarse' coalescer.

Media Grades:

Adsorption elements:

Adsorption elements are used to remove vapors (hydrocarbon or water) that are not removed by the coalescing filter. Hydrocarbon vapors collect in the element, while clean air exits the housing through the outlet port. In this element, the air or gas flows from the outside of the element to the inside.



Type A

Hydrocarbon vapor removal element. Ultrafine grained, highly concentrated, activated carbon sheet media. Includes molded elastomeric end seals (AU). Some models offer the option of metal end caps and fluorocarbon gaskets.

Particulate elements:

Particulate filters such as G, F, T and 3P flow from the outside of the element to the inside. Particles collect in the element, while the clean air exits through the outlet port.



Type 3P

Pleated cellulose particulate removal element. Includes molded elastomeric end seals (3PU). Some models offer the option of metal end caps and fluorocarbon gaskets.



Type G

Particulate removal element constructed of the same fiber matrix as type "C", but with no rigid retainer or drain layer.



Type F

Particulate removal element like "G" tube, except fluorocarbon saturant replaces epoxy.



Type T

Particulate removal element like "G" tube, except high temperature fluorocarbon saturant replaces epoxy.

Grade 3P



Three micron pleated cellulose filters are used for particulate interception where very high dirt holding capacity and a relatively fine pore structure are required.

Grade A



A (Adsorption) filters are used to remove hydrocarbon vapor, most typically in preparation for breathing air. (Must be preceded by grade 6C coalescer.)

Finite® media grades and specifications

Finite media grades determine the filtration efficiency. Capture efficiencies are available up to 99.999%. Micron ratings range from 0.01 to 3 micron. The columns on the right note both the wet and dry pressure drops.

Media Grade	Coalescing Efficiency 0.3 to 0.6 Micron Particles	Coalescing Filters - C, H, Q, 7CVP Maximum Oil Carryover ¹ PPM w/w	Particulate Filters - 3P, G, F, T Micron Rating	Pressure Drop (PSID) @ Rate Flow ²	
				Media Dry	Media Wet With 10-20 wt. oil
4	99.995%	0.003	0.01	1.25	3-4
6	99.97%	0.008	0.01	1.0	2-3
7CVP	99.5%	0.09	0.5	0.25	0.5-0.7
8	98.5%	0.2	0.5	0.5	1-1.5
10	95%	0.85	1.0	0.5	0.5
100WS	N/A	N/A	100 Nominal	<0.25	0.25
3P	N/A	N/A	3.0	0.25	N/A
A	99% ³	N/A	3 Nominal	1.0	N/A

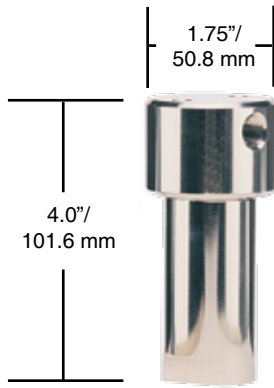
¹Tested per ADF-400 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

³Oil vapor removal efficiency is given for A media

Bypass or High Pressure Filters

Instrumentation and Steam Filter



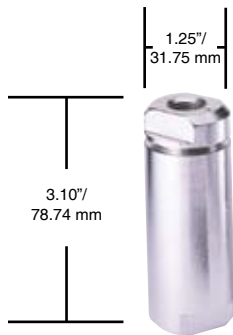
Application: Finite's high pressure filters are available with housings made of 316 stainless steel (S5R,S1R) or aluminum (A5R, A1R). This series is used for gas bypass sampling, high pressure compressed natural gas filtration, and applications with elevated pressures and corrosion resistance requirements. High efficiency particulate and coalescing elements are available with these units. Includes drain port with plug. Connection size of drain port matches inlet and outlet connection size.

How to Order:

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input type="checkbox"/>	<input type="checkbox"/>	04-023
<u>Materials</u>	<u>Port Size</u>			<u>Media Grade</u>	<u>Media Type</u>	<u>Element Size</u>
A = Aluminum	5 = 1/8" NPT 1 = 1/4" NPT			4 6 8 10	G T F H C	
S = 316 Stainless Steel						

For Example: S1R-6C04-023 for complete assembly, including element. S1R X 1 for an empty housing.

S1IL Stainless Steel Particulate Filters



Application: The S1IL filter is typically applied for the particulate filtration of bottled gas or as a last chance filter where there is limited space availability. It does not have a drain port and should only be used when little or no liquid contaminant is expected.

How to Order:

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input type="checkbox"/>	<input type="checkbox"/>	04-013
				<u>Media Grade</u>	<u>Media Type</u>	<u>Element Size</u>
				4 6 8 10	G T F	

For Example: S1IL-8T04-013 for complete assembly, including element. S1IL X 1 for an empty housing.

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. (Element Type)	Materials of Construction			Seals	Shipping Weight
				Head	Internals	Bowl		
S5R,S1R	1/8",1/4"	5000 PSIG/ 345 bar	450°F (T) 350°F(G, C, H) 275°F(F)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluorocarbon	1.16 lbs./ .53 kgs.
A5R,A1R	1/8",1/4"	1000 PSIG/ 68 bar	225°F (All media types)	Aluminum	316 Stainless Steel	Aluminum	Buna-N	.75 lbs./ .34 kgs.
S1IL	1/4"	5000 PSIG/ 345 bar	450°F (T) 350°F(G) 275°F(F)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluorocarbon	.75 lbs./ .34 kgs.

Small Internal Volume Filters With Glass Bowl



Application: These filters are used for gas analyzer protection and corrosive applications where element visibility is required. These housings have smaller internal volumes which allow for quicker evacuation and faster sampling times. Includes 1/4" NPT drain port with plug.

How to Order:

<input type="checkbox"/> S	<input type="checkbox"/>	<input type="checkbox"/> P	<input type="checkbox"/> —	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Port Size</u>		<u>Bowl Length</u>		<u>Media Grade</u>	<u>Media Type</u>	<u>Element Size</u>
1 = 1/4" NPT 2 = 1/2" NPT		S = Short L = Long		4 6 8 10	G T F H	10-025 = short bowl 10-070 = long

For Example: S1PL-10T10-070 for complete assembly, including element.
S1PL X 1 for an empty housing.

Small Internal Volume Filters With Stainless Bowl



Application: These filters have similar applications as filter above, however this version has a stainless steel bowl which allows for higher pressure and temperature applications. Includes 1/4" NPT drain port with plug.

How to Order:

<input type="checkbox"/> S	<input type="checkbox"/>	<input type="checkbox"/> S	<input type="checkbox"/> —	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Port Size</u>		<u>Bowl Length</u>		<u>Media Grade</u>	<u>Media Type</u>	<u>Element Size</u>
1 = 1/4" NPT 2 = 1/2" NPT		S = Short L = Long		4 6 8 10	G T F H	10-025 = short bowl 10-070 = long

For Example: S2SS-10G10-025 for complete assembly, including element.
S2SS X 1 for an empty housing.

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. (Element Type)	Materials of Construction			Seals	Shipping Weight
				Head	Internals	Bowl		
S1PS,S2PS	1/4", 1/2"	100 PSIG/ 7 bar	160°F (All media types)	316 Stainless Steel	316 Stainless Steel	Heat Resistant Borosilicate Glass	Fluorocarbon	2 lbs./ .91 kgs.
S1PL,S2PL	1/4", 1/2"	100 PSIG/ 7 bar	160°F (All media types)	316 Stainless Steel	316 Stainless Steel	Heat Resistant Borosilicate Glass	Fluorocarbon	4 lbs./ 1.81 kgs.
S1SS,S2SS	1/4", 1/2"	425 PSIG/ 29 bar	400°F (T) 350°F (G,H) 275°F (F)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluorocarbon	3 lbs./ 1.4 kgs.
S1SL,S2SL	1/4", 1/2"	250 PSIG/ 17 bar	400°F (T) 350°F (G,H) 275°F (F)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluorocarbon	5 lbs./ 2.3 kgs.

S3C/S4C Stainless Steel Filters

Instrumentation and Steam Filter



Application: Finite's S3C and S4C units are economical stainless steel filter assemblies for applications in food processing, pharmaceutical, and chemical manufacturing. Coalescing, particulate and adsorptive filters are available. Includes 1/4" NPT drain port with plug.

How to Order:

S	<input type="checkbox"/>	C	-	<input type="checkbox"/>	<input type="checkbox"/>	13-087
	<u>Port Size</u>			<u>Media Grade</u>	<u>Media Type</u>	<u>Element Size</u>
	3 = 3/4" NPT			blank for 3PU, AU	CU	
	4 = 1" NPT			4	3PU	
				6	AU	
				8		
				10		

For Example: S3C-6CU13-087 for complete assembly, including element.
S3C X 1 for an empty housing.

High Flow Stainless Steel Filter



Application: Finite's 2" NPT stainless steel filter is the right solution for most critical or corrosive compressed air/gas applications. Its 500 PSIG design pressure makes this an ideal choice for higher pressure applications. Bulk liquid separating, coalescing, particulate and adsorptive filters are available. Includes 1/4" NPT drain port with plug.

How to Order:

S N 8 S X 1

For Example: SN8S X 1

Elements sold separately: *CU, 3PU, AU, 7CVP and 100WS (Bulk Liquid Separator)
Element size is 24-187.

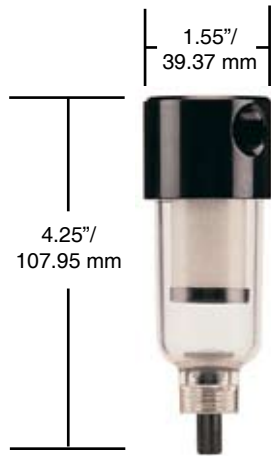
* insert grade: 4, 6, 8, 10

For Example: 6CU24-187 X 1

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp (Element Type)	Materials of Construction	Head	Internals	Bowl	Seals	Shipping Weight
S3C,S4C	3/4", 1"	150 PSIG/ 10 bar	175°F (All media types)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluorocarbon	5.2 lbs./2.4 kgs.
SN8S	2"	500 PSIG/ 34 bar	175°F (All media types)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluorocarbon	32 lbs./14.4 kgs.

Aluminum Filters with Clear Bowl



Application: The Q1S, Q5S series filters are an excellent choice for instrumentation and point-of-use general air system filtration. They also provide coalescing and adsorption filtration for robotic and OEM machine manufacturers. A manual twist drain is standard. An auto drain option is available.

How to Order:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	06-013
<u>Drain Option</u>	<u>Port Size</u>		<u>Media Grade</u>		<u>Media Type</u>		<u>Element Size</u>	
blank for manual twist drain	5 = 1/8" NPT 1 = 1/4" NPT		blank for AM		HM AM			
A = Auto Drain F = 1/8" ID Hose Barb V = Needle Valve			4 6 8 10					

For Example: Q1S-AM06-013 for complete assembly, including element.
Q1S X 1 for an empty housing.

Instrumentation and Steam Filter

Aluminum Filters with Metal Bowl



Application: These aluminum filters are an excellent choice for instrumentation and point-of-use general air system filtration. The zinc bowl is preferred in higher temperature and pressure applications. They also provide coalescing and adsorption filtration for robotic and OEM machine manufacturers. A manual twist drain is standard. An auto drain option is available.

How to Order:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	06-013
<u>Drain Option</u>	<u>Port Size</u>		<u>Media Grade</u>		<u>Media Type</u>		<u>Element Size</u>	
blank for manual twist drain	5 = 1/8" NPT 1 = 1/4" NPT		blank for AM		HM AM			
A = Auto Drain F = 1/8" ID Hose Barb V = Needle Valve			4 6 8 10					

For Example: H5S-6HM06-013 for complete assembly, including element.
H5S X 1 for an empty housing.

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. (Element Type)	Materials of Construction			Seals	Shipping Weight
				Head	Internals	Bowl		
Q5S, Q1S	1/8", 1/4"	150 PSIG/ 10 bar	125°F (All media types)	Aluminum	N/A	Poly-carbonate	Buna N	.2 lbs./ .10 kgs.
H5S, H1S	1/8", 1/4"	250 PSIG/ 17 bar	175°F (All media types)	Aluminum	N/A	Zinc	Buna N	.3 lbs./ .14 kgs.

Compact Nylon Filter With Clear Bowl



Application: KN1S and KN5S filters are an economical way to provide high-efficiency filtration for protection of emission analyzers, air-logic systems and low-flow point-of-use pneumatic components. Includes manual, tee-valve drain. (1/8" NPT port)

How to Order:

<input type="checkbox"/> KN	<input type="checkbox"/>	<input type="checkbox"/> 1	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 06-016
<u>Port Size</u>				<u>Media Grade</u>	<u>Media Type</u>	<u>Element Size</u>
5 = 1/8" NPT				blank for 75P	G	
1 = 1/4" NPT				4	T	
				6	F	
				8	H	
				10	C	
					75P	

Note: The 75P Media Type is a 75 micron plastic filter element.

For Example: KN1S-6C06-016 for complete assembly, including element.
KN1S X 1 for an empty housing.

Nylon Filter With Clear Bowl



Application: The P1N offers economical high efficiency filtration for point-of-use, instrument systems or OEM circuit protection. The P1N is also used when sump and element visibility are required. Includes manual twist drain.

How to Order:

<input type="checkbox"/> P	<input type="checkbox"/> 1	<input type="checkbox"/> N	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 10-025
				<u>Media Grade</u>	<u>Media Type</u>	<u>Element Size</u>
				Leave blank for 3PU and AU	G	
				4	T	
				6	F	
				8	H	
				10	C	
					CU	
					QU	
					3PU	
					AU	

For Example: P1N-4QU10-025 for complete assembly, including element.
P1N X 1 for an empty housing.

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. (Element Type)	Materials of Construction			Seals	Shipping Weight
				Head	Internals	Bowl		
KN5S,KN1S	1/8",1/4"	150 PSIG/ 10 bar	125°F (All media types)	Glass Filled Nylon	Acetal Plastic, Steel	Clear Polyurethane	Buna N	.3 lbs./14 kgs.
P1N	1/4"	100 PSIG/ 7 bar	125°F (All media types)	Acetal Plastic	Acetal Plastic, Stainless Steel	Clear Polyurethane	Buna N	.49 lbs./22 kgs.

Aluminum Filters With Clear Bowl



Application: The QN series is an excellent point-of-use filter when element visibility is required. Coalescing, particulate and adsorption elements available. Includes plastic manual twist drain.

How to Order:

<input type="checkbox"/> QN	<input type="checkbox"/>	<input type="checkbox"/> N	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Port Size</u>	<u>Media Grade</u>	<u>Media Type</u>		<u>Accessories</u>		
1 = 1/4" NPT 15 = 3/8" NPT 2 = 1/2" NPT	blank for 3PU, AU 4 6 8 10	G T F H C CU QU 3PU AU		N = None D = Differential Pressure Indicator G = Differential Pressure Gauge		

For Example: QN15N-10QUN for complete assembly, including element. QN15NN X 1 for an empty housing.

Note: Although the element size is not included in the part number construction for this filter, the size, 10-025, is needed to order replacement elements. For Example, 6C10-025 X 8.

Low Flow, Dual-Stage In Line Filters



Application: The ILN, IKN in-lines are used for low flow circuit protection on sensing instruments, analyzers, air-logic, and other control devices. High-efficiency coalescing and particulate elements are available. Drain types available include manual push, constant bleed or no drain.

The design: This twist-lock plastic housing is designed for 50 PSIG Maximum operating pressure. The two-stage filter design allows for high efficiency element replacement and the reuse of the 74 micron prefilter (74P05-011 X 10).

How to Order:

<input type="checkbox"/> I	<input type="checkbox"/>	<input type="checkbox"/> N	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	05-011
<u>Port Size</u>	<u>Type of Drain</u>	<u>Media Grade</u>		<u>Media Type</u>		<u>Element Size</u>	
L = 1/8" NPT K = 1/8" NPT with brass inserts	blank for no drain; closed D = Open; constant bleed drain V = Valved; manual drain	4 6 8 10		G T F H			

For Example: IKND-4G05-011 for complete assembly, including element. IKND X 1 for an empty housing.

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. (Element Type)	Materials of Construction			Seals	Shipping Weight
				Head	Internals	Bowl		
QN1N, QN15N, QN2N	1/4", 3/8", 1/2"	125 PSIG/ 9 bar	125°F (All Media types)	Aluminum	Stainless Steel, Acetal Plastic	Clear Polyurethane	Buna N	.86 lbs./ .39 kgs.
ILN/IKN	1/8"	50 PSIG/ 3 bar	125°F (All media types)	ILN: Nylon IKN: Clear polyurethane	Neoprene	ILN: Nylon IKN: Clear polyurethane	Silicone Rubber	.1 lbs./ .05 kgs.
ILND/IKND	1/8"	50 PSIG/ 3 bar	125°F (All media types)	ILND: Nylon IKND: Clear polyurethane	Neoprene	ILND: Nylon IKND: Clear polyurethane	Silicone Rubber	.1 lbs./ .05 kgs.
ILNV/IKNV	1/8"	50 PSIG/ 3 bar	125°F (All media types)	ILNV: Nylon IKNV: Clear polyurethane	Neoprene	ILNV: Nylon IKNV: Clear polyurethane	Silicone Rubber	.1 lbs./ .05 kgs.

High Efficiency Disposable In-Line Filters

Application: These high-efficiency, disposable in-line filters are great for analyzer and sensor protection, gas sampling, micro-system operation and robot and animation air preparation. This clear, nylon housing allows visible inspection of collected particulate. The full length internal tube support gives higher strength, even with system upsets.



Instrumentation and Steam Filter

Type ID In-line filters

The Type ID enclosure in conjunction with a 'G', 'T', 'F' or '44P' series element is designed to provide the most reliable, long lived, instrument air source, sensor protection, sample cleansing and purification available today. The center core provides stable backup support, reduces internal (tare) volume, centers the tube in the housing and distributes the contaminant load along the tube's entire length. Elements in the housing are sealed by a positive serrated arrangement with built-in redundancy, ultrasonically welded.

Type MD In-line filters

The Type MD housing in conjunction with a 'G', 'T', 'F' or '5P' element is designed to provide a high reliability instrument air source or sensor protection where some levels of condensed moisture or oil are present. A stand-pipe is molded into the lower housing to allow for a dry exit chamber as liquids collect at the tube base. Up to 3cc of liquid can be stored in this manner. The same tube size is employed as in the Type ID. Typical applications involve high condensate conditions such as vacuum or higher temperature systems.

Type SD In-line filters

For critical point-of-use, vapor free instrument or medical systems the Type SD provides Maximum activated surface exposure to the process gas while pre-filtering with grade 10 pads and preventing media migration with exit safety filters.

Adsorbing Media Available

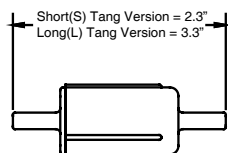
Type A: Activated carbon for general use oil vapor removal.

Type J: Silica gel moisture trap dries gas, turns white when expended.

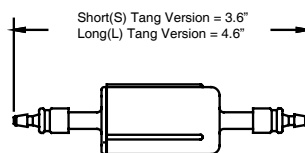
Type M: 13X molecular sieve for selective polishing and 'last trace' light hydrocarbon vapor removal.

Type O: Activated dye turns red when exposed to oil in system.

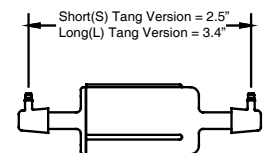
Specifications:



Standard 1/4" O.D. Tangs



4S = 1/8" Straight Barbs



4A = 1/8" Right Angle Barbs

Specifications:

Model Number	Max. Pressure	Max. Temp.
ID/SD/MD	100 PSIG/7 bar	125°F (All media types)

How to Order:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type	Tang	Media	Media	End	
ID	Length	Grade	Type	Connections	
MD	N = Long	Leave blank	Available for ID only	blank = Standard Tangs	
SD	S = Short	for SD,5P,44P	44P = 44 micron SS mesh	(1/4" outer diameter)	
		4	Available for MD only	4S = 1/8" Straight Barbs	
		6	5P = 5 micron SS mesh	4A = 1/8" Right Angle Barbs	
		8	Available for ID/MD		
		10	G = Epoxy		
			T = PTFE		
			F = Fluorocarbon		
			Available for SD only		
			A = Activated Carbon		
			J = Silica Gel		
			M = Molecular Sieve		
			O = Oil Activated Dye		

For Example: IDN-6G
for complete assembly,
including element.

Flow Data (SCFM) and Replacement Elements

Note: Flow rates shown are for largest port size in each housing series.

Filter Housing Model	Media Grade	20 PSIG	40 PSIG	60 PSIG	80 PSIG	100 PSIG	150 PSIG	250 PSIG	500 PSIG	1500 PSIG	5000 PSIG	Replacement Elements Available *Insert grade. Quantity of elements per Box follows the 'X'
S1R	4	1.9	3.1	4.2	5.3	6.4	9	15	29	85	280	*C04-023 X 10
	6	2.5	4.0	5.5	6.9	8.4	12	19	38	111	367	*F04-023 X 10
	10	3.0	4.8	6.5	8.3	10	14	23	45	132	437	*H04-023 X 10 *T04-023 X 10 *G04-023 X 10
A1R	4	1.9	3.1	4.2	5.3	6.4	9	15	29	-	-	*C04-023 X 10
	6	2.5	4.0	5.5	6.9	8.4	12	19	38	-	-	*F04-023 X 10
	10	3.0	4.8	6.5	8.3	10	14	23	45	-	-	*H04-023 X 10 *T04-023 X 10 *G04-023 X 10
S1IL	4	1.1	1.7	2.3	3.0	3.6	5	8	16	48	157	*G04-013 X 10
	6	1.4	2.2	3.1	3.9	4.7	7	11	21	62	205	*T04-013 X 10
	10	1.7	2.7	3.7	4.7	5.7	8	13	26	75	249	*F04-013 X 10
S2PS	4	4.8	7.6	10.4	13.2	16	-	-	-	-	-	*H10-025 X 8
	6	6.7	10.5	14.3	18.2	22	-	-	-	-	-	*F10-025 X 10
	10	11.2	17.6	24.1	30.5	37	-	-	-	-	-	*G10-025 X 10 *T10-025 X 10
S2PL	4	13.6	21.5	29.3	37.2	45	-	-	-	-	-	*H10-070 X 4
	6	18.2	28.6	39.1	49.5	60	-	-	-	-	-	*F10-070 X 10
	10	31.5	49.6	67.7	85.9	104	-	-	-	-	-	*G10-070 X 10 *T10-070 X 10
S2SS	4	4.8	7.6	10.4	13.2	16	23	37	-	-	-	*H10-025 X 8
	6	6.7	10.5	14.3	18.2	22	32	51	-	-	-	*F10-025 X 10
	10	11.2	17.6	24.1	30.5	37	53	85	-	-	-	*G10-025 X 10 *T10-025 X 10
S2SL	4	13.6	21.5	29.3	37.2	45	65	104	-	-	-	*H10-070 X 4
	6	18.2	28.6	39.1	49.5	60	86	138	-	-	-	*F10-070 X 10
	10	31.5	49.6	67.7	85.9	104	149	240	-	-	-	*G10-070 X 10 *T10-070 X 10
S3C	4	19.7	31.0	42.3	53.7	65	93	-	-	-	-	*CU13 -087 X 2
	6	27.2	42.9	58.6	74.3	90	129	-	-	-	-	3PU13 -087 X 2
	10	45.4	71.5	97.7	123.8	150	215	-	-	-	-	AU13 -087 X 2
S4C	4	24.2	38.2	52.1	66.1	80	115	-	-	-	-	*CU13 -087 X 2
	6	33.3	52.5	71.6	90.8	110	158	-	-	-	-	3PU13 -087 X 2
	10	51.4	81.1	110.7	140.4	170	244	-	-	-	-	AU13 -087 X 2
SN8S	4	102.9	162.1	221.4	280.7	340	488	785	1526	-	-	*CU24-187 X 1
	6	136.1	214.6	293.1	371.5	450	646	1038	2019	-	-	AU24-187 X 1
	10	226.9	357.7	488.4	619.2	750	1077	1731	3366	-	-	7CVP24-187 X 1 100WS24-187 X 1 3PU24-187 X 1
Q1S	4	1.7	2.7	3.6	4.6	5.6	8	-	-	-	-	*HM06-013 X 10
	6	2.3	3.7	5.0	6.4	7.7	11	-	-	-	-	AM06-013 X 10
	10	3.9	6.2	8.5	10.7	13	19	-	-	-	-	
H1S	4	1.7	2.7	3.6	4.6	5.6	8	13	-	-	-	*HM06-013 X 10
	6	2.3	3.7	5.0	6.4	7.7	11	18	-	-	-	AM06-013 X 10
	10	3.9	6.2	8.5	10.7	13	19	30	-	-	-	

Flow Data (SCFM) and Replacement Elements

Note: Flow rates shown are for largest port size in each housing series.

Filter Housing Model	Media Grade	20 PSIG	40 PSIG	60 PSIG	80 PSIG	100 PSIG	150 PSIG	250 PSIG	500 PSIG	1500 PSIG	5000 PSIG	Replacement Elements Available *Insert grade. Quantity of elements per Box follows the 'X'
KN1S	4	2.4	3.8	5.2	6.6	8	11	-	-	-	-	*C06-016 X 10
	6	3.0	4.8	6.5	8.3	10	14	-	-	-	-	*F06-016 X 10
	10	5.1	8.1	11.1	14.0	17	24	-	-	-	-	*H06-016 X 10 *T06-016 X 10 *G06-016 X 10 75P06-016 X 10
P1N, QN1N	4	3.3	5.2	7.2	9.1	11	-	-	-	-	-	*C10-025 X 8
	6	4.5	7.2	9.8	12.4	15	-	-	-	-	-	*QU10-025 X 8
	10	6.1	9.5	13.0	16.5	20	-	-	-	-	-	*CU10-025 X 8 *G10-025 X 10 *H10-025 X 8 *T10-025 X 8 *F10-025 X 10 3PU10-025 X 8 AU10-025 X 8
QN15N, QN2N	4	6.4	10.0	13.7	17.3	21	-	-	-	-	-	*C10-025 X 8
	6	8.5	13.4	18.2	23.1	28	-	-	-	-	-	*QU10-025 X 8
	10	16.3	25.8	35.2	44.6	54	-	-	-	-	-	*CU10-025 X 8 *G10-025 X 10 *H10-025 X 8 *T10-025 X 8 *F10-025 X 10 3PU10-025 X 8 AU10-025 X 8
ILNV, IKNV ILND, IKND ILN, IKN	4	1.3	2.0	-	-	-	-	-	-	-	-	*H05-011 X 10
	6	1.7	2.7	-	-	-	-	-	-	-	-	*T05-011 X 10
	10	2.8	4.5	-	-	-	-	-	-	-	-	*G05-011 X 10 74P05-011 X 10 *F05-011 X 10
ID, MD	4	0.8	1.3	1.8	2.2	2.7	-	-	-	-	-	Note: These filters are disposable and sold in Box quantities of 10. No replacement elements available.
	6	1.1	1.7	2.3	2.9	3.5	-	-	-	-	-	
	10	1.6	2.5	3.5	4.4	5.3	-	-	-	-	-	

Instrumentation and Steam Filter

Finite® Steam Filter



Bulletin 1300 - 250/USA

All steam filters are sold with a spanner wrench and a preinstalled element.



Steam plays a very important role in a variety of industries including food and beverage, hospital, and pharmaceutical. In order to ensure effective and continuous operation of many processes in these industries, it is often critical that high quality steam is used. A Finite Steam Filter can be used to produce high quality steam by removing both particulate and condensate prior to critical processes. Although each industry's steam requirements may vary slightly, the solution is always the same... **Finite® Steam Filters!**

Instrumentation and Steam Filter

Features

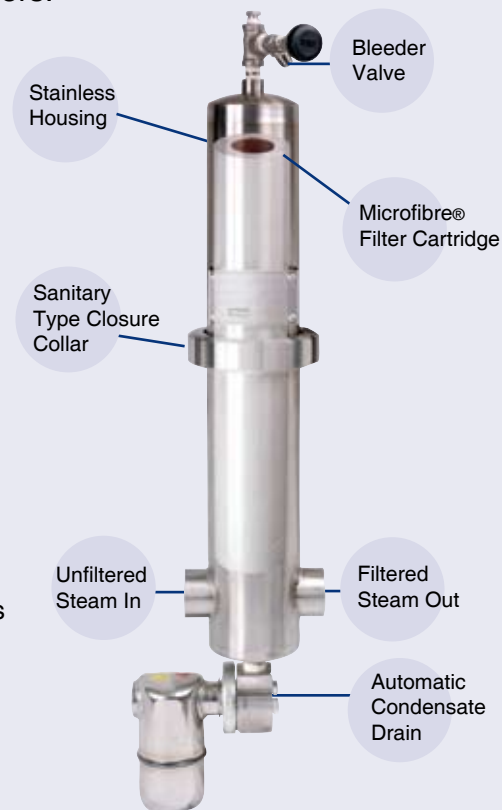
- 98% efficient at 0.1 micron
- Removes rust and other particle contamination
- Removes Excessive condensate from steam
- Disposable filter elements

Benefits

- Easy to install
- Lower yearly maintenance costs than competitive filters
- No costly downtime associated with the cleaning and backflushing of filter elements - just replace element every 6 weeks

Specifications

- Connection Size: 1" NPT
- Max. Pressure: 125 PSIG
- Max. Temp: 353°F
- Max. Flow Rate: 400 lbs./hr. at 125 PSIG
- Overall Height: 36 inches
- Minimum 14" clearance for element removal
- Weight: 25 pounds



Materials of Construction Part Numbers

- 304 Stainless Steel
- EPR Seals (2)
- Microfibre®

Steam Filter: SFN4-SE13-145

Replacement Element: SE13-145 x 8

Note: Steam Filter is sold with one spanner wrench and preinstalled element.

Replacement elements are sold in Boxes of eight. Contact factory for other connection configurations.

Use **Finite**[®] Steam Filters in...



Applications and Benefits

- Food and beverage manufacturing and packaging - Filter protects specific food products (i.e. potatoes) by eliminating overall contamination, taste differences, odor, and unwanted additives to food
- Meat packing facilities - Same benefits as above
- Dairies - To sterilize processing equipment and storage tanks
- Direct injection of steam into food - Provides shorter cooking times and more even cooking
- Breweries - Steam is used to provide the heat of pasteurization, production of hot liquor, bottle washing, bottling, canning processes, and Clean in Place (CIP) systems

food industry



Accepted Standards

- All materials are FDA approved
- USDA acceptance in federally inspected meat and poultry plants
- Complies with Pasteurized Milk Ordinance
- Complies with 3-A Sanitary Standards Committee's practice for producing culinary quality steam (Number 609-00)
- Finite Steam Filters meet the regulations for Indirect Food Additives used as Basic Components for Repeated Use for Contact Surfaces as specified in 21 CFR Part 177, and Current Good Manufacturing Practices, 21 CFR Part 110

hospitals



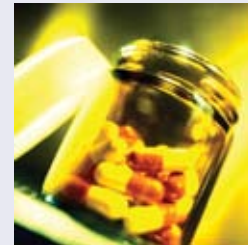
Applications and Benefits

- Reduces the number of malfunctioning valves and regulators
- Can be used at point-of-use to purify steam from a centralized system
- Sterilizing instruments
 - eliminates wet packs and staining of instruments
 - eliminates unnecessary maintenance and costly downtime on steam sterilizers



Applications and Benefits

- Injection of steam in pharmaceutical manufacturing
- Direct contact sterilization—Clean in Place (CIP) or Sterilize in Place (SIP)
- Clean room humidification
- Block and bleed systems (Steam provides a sterile barrier between a critical biological process and the environment)



pharmaceutical



High Pressure Filters

Compressed Air & Gas

- CNG and Alternative Fuel Filters
- Pressures to 6000 PSIG
- Ductile Iron, Stainless Steel & Aluminum Housings

Bulletin 1300 - 997/USA



Finite[®]

“High pressure systems are plagued with problems of contamination and require filtration protection.”

High Pressure & CNG Filters



High pressure compressors are used in a variety of applications. Many owners, operators and designers of high pressure compressed air or gas systems rely on Finite for high-quality air treatment filters. End users of high pressure compressed air, such as scuba divers and fire rescue workers, depend on this high quality breathable air.

Throughout the stages of compression many contaminants can enter into the system. Excessive amounts of liquid aerosols and solid particulate contamination are common in high pressure systems. In addition, higher temperature levels are possible and may cause liquid oils to varnish. This contamination can lead to poor component performance and wear that may lead to unscheduled maintenance.

Even submicronic contaminants in compressed air or gas systems can foul multistage compressors, increase maintenance costs or eventually make it into your final product.

Finite offers a variety of high pressure compressed air and gas filters. With our wide range of elements, we have a solution for every stage of compression, as well as at the point of use. Whether you are storing high pressure air or gas or using a continuous flow, count on Finite to protect your equipment from contamination. Finite is the solution to ending high pressure contamination fouling.



Alternative Vehicles Need High Pressure Filtration

Compressed Natural Gas, or CNG, is a leading alternative to traditional fuel for the automotive industry. CNG is used in passenger vehicles, pickup trucks, in transit and on school buses. It can be less expensive than gasoline, and is more environmentally friendly – it reduces the amount of carbon monoxide, carbon dioxide and hydrocarbon vehicle Exhaust emissions.

Natural gas is gathered from a pipeline and

travels to a connecting compressor station. The gas is elevated to pressures ranging from 2000 PSIG up to 5000 PSIG and the resultant CNG is stored in large tanks. The CNG then makes its way to a gas dispenser where it is ready for use in natural gas vehicles.

Contaminants can enter into the gas at any stage of this processing. Filters are critical at each stage to ensure clean gas as a final product. Contamination that collects

during handling, water that condenses in tanks and compressors that leak oil into the fuel stream are all problems that could shorten the life of expensive equipment, create unnecessary downtime and increase maintenance costs.

From pipeline to engine, Finite filters provide the critical filtration required for most alternative fuel systems. See page 67 for more detailed information on this application.

How to select your Finite Filter...

<p>The following steps will help you to choose the correct filter for your application. If there are other factors involved or if you have special requirements, call one of Finite's application engineers.</p>	<p>Evaluate the requirements of your application. The sketches on pages 66-67 depict popular Examples of breathing air, PET bottle blowing and alternative fuel applications.</p>	<p>What type of filtration is needed? Coalescing filter media removes solid and liquid contaminants from gas streams. Particulate filter media removes solids from gas streams. Adsorber media removes hydrocarbon vapors from gas streams. See pages 68-69 for more detailed information.</p>
<p>Are you searching for a specific micron rating... or efficiency rating? If so, pages 69 provide a complete breakdown of Finite's filter media grades and their performance specifications.</p>	<p>What are the operating conditions of your application? Key criteria to consider: flow, pressure, temperature, materials of construction (stainless steel, nylon, aluminum, etc.). Pages 70-89 provide detailed descriptions of the various products available.</p>	<p>Sizing: Flow charts are provided for each high pressure filter series. Flows are listed at various operating pressures. Filters are available with flows up to 6500 SCFM and pressure ratings up to 6000 PSIG.</p>

High Pressure & CNG Filters



What's Inside?



- 66-67 Applications**
- 68-69 Finite Media Types, Grades and Efficiencies**
- 70-71 500 PSIG Filters**
- 72-74 800 PSIG Filters**
- 75 1000 PSIG Filters**
- 76-77 1200 PSIG Filters**
- 78-79 3600 PSIG Filters**
- 80-85 5000 PSIG Filters**
- 86-87 6000 PSIG Filters**
- 88-89 High Pressure Accessories**

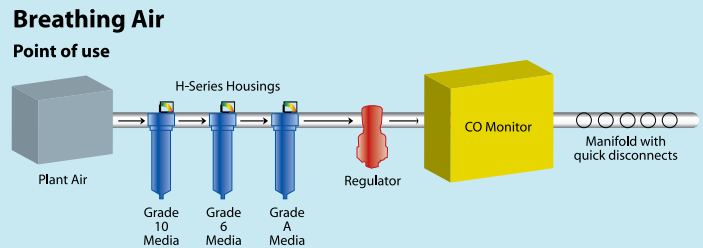
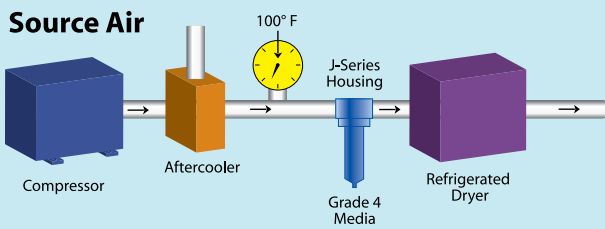
High Pressure Breathing Air

The filtration of compressed air is critical to ensure that it meets stringent air quality requirements for use in breathing air applications as set forth by North American agencies such as the Occupational Health and Safety Administration (OSHA) and Canadian Standards Association (CSA). Breathing air is used for scuba tanks, fire rescue

equipment, and emergency respiratory gear. Any contaminants in the air stream may cause equipment damage and malfunction, requiring costly repairs and replacements, and ultimately creating a hazardous situation for any users of high pressure breathing air apparatus. The use of filters will protect the consumer's health and keep equipment safe and

fully operational. At the source, a coalescing filter will remove any oil or other liquid contaminants that may be carried downstream. At the point of use, conventional compressed air must be free of impurities such as moisture, oil vapors and any harmful tastes and/or odors before it can safely be used as breathing air.

High Pressure & CNG Filters



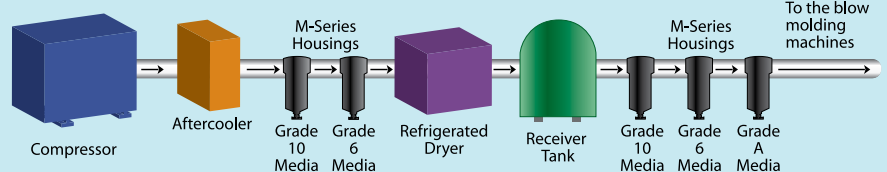
For more information on H-Series filters, please see Bulletin 1300-993C.



PET Blow Molding

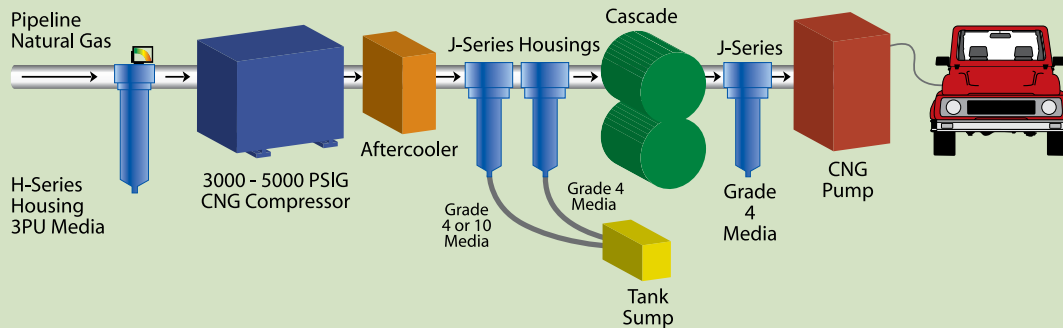
PET, or polyethylene terephthalate, is a recyclable material used to make bottles by blow molding. Food and beverage containers are just a few of the many products that can be manufactured from this thermoplastic. In order to ensure that these products remain contaminant free throughout a process, they must be manufactured with clean, dry air. The proper combination of filters will prevent compressor oils, pipe scale and other damaging impurities from building up on equipment.

PET Blow Molding



At the CNG Fueling Station

Installing a lower pressure particulate filter (H-Series Housing 3PU Media) before the compressor station will remove pipe scale to prevent compressor damage. Before the gas is transported from storage to the dispenser, prefiltration of the gas with two-stage coalescing will eliminate solids, oil and water generated during underground transit. For extra protection, a high efficiency coalescer should be placed at the gas dispenser to protect sensitive dispenser metering equipment and prevent oil from making its way into the vehicle.



For more information on H-Series filters, please see Bulletin 1300-993C.

High Pressure & CNG Filters

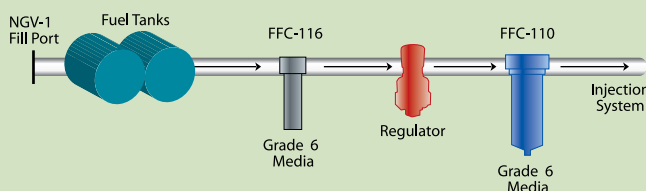


Other applications include:

- General high pressure compressed air
- High pressure testing
- Offshore applications
- High pressure gas storage
- Corrosive gases
- Specialty gases
- Air-blast circuit breakers
- Leak testing of hydraulic equipment
- Shipboard air distribution systems

Onboard CNG Vehicles

Filtration is the key to guarding against damaging contaminants that could ruin a fuel system. Installing a coalescer upstream of the high pressure regulator extends the system's life and reduces maintenance costs. A low pressure filter can also be used downstream of the regulator to protect other fuel injection system components.



Finite Media Types, Grades and Efficiencies

Coalescing elements:

Coalescing elements are specially designed for the removal of liquid contaminants from gaseous flows. These media types flow from the inside of the element to the outside. Coalesced liquid (water and oil) collects in the bowl where it is drained, while clean air or gas exits the housing through the outlet port. Particulate contaminants are captured and held in the media.

Water Separator element:

Particulate elements:

High Pressure & CNG Filters



Type C

Coalescing element composed of an epoxy saturated, borosilicate glass microfibre tube in intimate interlocking contact with a rigid retainer. Surrounded by a coarse fiber drain layer, retained by a synthetic fabric safety layer. Some models are available with molded elastomeric end seals (CU), or with metal end caps and fluorocarbon gaskets.

For use with:

- FFC-110 (500 PSIG) Page 70
- FFC-110L (500 PSIG) Page 70
- SN8S (500 PSIG) Page 71
- M-Series (800 PSIG) Pages 72-74
- ASR/A1R (1000 PSIG) Page 75
- SM-Series (1200 PSIG) Page 76-77
- FFC-112 (3600 PSIG) Page 78
- FFC-112 SAE (3600 PSIG) Page 78
- FFC-113 (3600 PSIG) Page 79
- J-Series (5000 PSIG) Pages 80-82
- SSR/S1R (5000 PSIG) Page 83
- FFC-116 (5000 PSIG) Page 85
- SJ-Series (6000 PSIG) Pages 86-87



Type H

Coalescing element similar to type "C", however no rigid retainer is used. Typically used in applications with low or constant flow rates.

For use with:

- ASR/A1R (1000 PSIG) Page 75
- SM-Series (1200 PSIG) Pages 76-77
- SSR/S1R (5000 PSIG) Pages 83

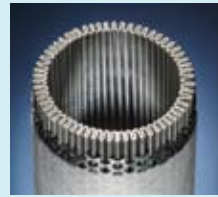


Type Q

Coalescing element with the same configuration as "C" tube, but with "3P" pleated cellulose prefilter built-in. Includes molded elastomeric end seals (QU). Some models offer the option of metal end caps and fluorocarbon gaskets.

For use with:

- M-Series (800 PSIG) Pages 72-74
- SM-Series (1200 PSIG) Pages 76-77



Type 7CVP

Coalescing element made of pleated glass media. Metal retained for added strength. Includes metal end caps and fluorocarbon gaskets for proper sealing. Only available in grade 7.

For use with:

- SN8S (500 PSIG) Page 71
- M-Series (800 PSIG) Pages 72-74



Type 100WS

This all stainless steel element has two metal retainers with rolled mesh screen in between. This cleanable element combines liquid droplets and aerosols, separating the liquids from the gas stream in systems with high liquid loads.

For use with:

- SN8S (500 PSIG) Page 71
- M-Series (800 PSIG) Pages 72-74
- J-Series (5000 PSIG) Pages 80-82
- SJ-Series (6000 PSIG) Pages 86-87



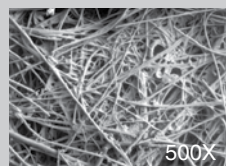
Type 3P

Pleated cellulose particulate removal element. Includes molded elastomeric end seals (3PU). Some models offer the option of metal end caps and fluorocarbon gaskets.

For use with:

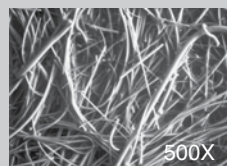
- SN8S (500 PSIG) Page 71
- M-Series (800 PSIG) Pages 72-74
- SM-Series (1200 PSIG) Pages 76-77
- J-Series (5000 PSIG) Pages 80-82
- SJ-Series (6000 PSIG) Pages 86-87

Grade 4



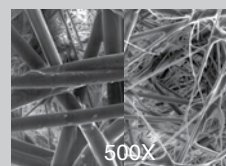
Grade 4 filter elements are very high efficiency coalescers; for elevated pressures or lighter weight gases. Recommended when system pressure exceeds 500 PSIG.

Grade 6



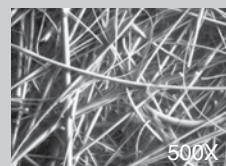
Grade 6 filter elements are used when "total removal of liquid aerosols and suspended fines" is required. **Because of its overall performance characteristics, this grade is most often recommended below 500 PSIG.**

Grade 7CVP



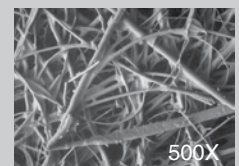
Grade 7CVP filter elements are made with two layers. The inner layer (left) effectively traps dirt particles, protecting and extending the life of the outer layer. The coalescing outer layer (right) consists of a dense matrix of glass fibers, providing highly efficient aerosol removal.

Grade 8



Grade 8 filter elements provide high efficiency filtration in combination with high flow rate and long element life.

Grade 10



Grade 10 filters are used as prefilters for grade 6 to remove gross amounts of aerosols or tenacious aerosols which are difficult to drain. This grade is often used as a 'coarse' coalescer.

Media Grades:

Adsorption elements:

Particulate filters such as G, F, T and 3P flow from the outside of the element to the inside. Particles collect in the element, while the clean air exits through the outlet port.

Adsorption elements are used to remove vapors (hydrocarbon or water) that are not removed by the coalescing filter. Hydrocarbon vapors collect in the element, while clean air exits the housing through the outlet port. In this element, the air or gas flows from the outside of the element to the inside.



Type G

Particulate removal element constructed of the same fiber matrix as type "C", but with no rigid retainer or drain layer.

For use with:

- A5R/A1R (1000 PSIG) Page 75
- SM-Series (1200 PSIG) Pages 76-77
- S5R/S1R (5000 PSIG) Page 83
- S1IL (5000 PSIG) Page 84



Type F

Particulate removal element like "G" tube, except fluorocarbon saturant replaces epoxy.

For use with:

- A5R/A1R (1000 PSIG) Page 75
- SM-Series (1200 PSIG) Pages 76-77
- S5R/S1R (5000 PSIG) Page 83
- S1IL (5000 PSIG) Page 84



Type T

Particulate removal element like "G" tube, except high temperature fluorocarbon saturant replaces epoxy.

For use with:

- A5R/A1R (1000 PSIG) Page 75
- SM-Series (1200 PSIG) Pages 76-77
- S5R/S1R (5000 PSIG) Page 83
- S1IL (5000 PSIG) Page 84



Type A

Hydrocarbon vapor removal element. Ultrafine grained, highly concentrated, activated carbon sheet media. Includes molded elastomeric end seals (AU). Some models offer the option of metal end caps and fluorocarbon gaskets.

For use with:

- SN8S (500 PSIG) Page 71
- M-Series (800 PSIG) Pages 72-74
- SM-Series (1200 PSIG) Pages 76-77
- J-Series (5000 PSIG) Pages 80-82
- SJ-Series (6000 PSIG) Pages 86-87



Type 10JWM

Vapor adsorbing filter element consisting of a grade 10 microfiber tube, strengthened by a perforated metal retainer and then filled with molecular sieve, which works as a desiccant dryer, making the air clean and dry as it exits. This element should always be preceded by a coalescing filter.

For use with:

- J-Series (5000 PSIG) Pages 80-82



Type 10JWA

Vapor adsorbing filter element consisting of a grade 10 microfiber tube, strengthened by a perforated metal retainer and then filled with activated alumina, which works as a desiccant dryer, making the air clean and dry as it exits. This element should always be preceded by a coalescing filter.

For use with:

- J-Series (5000 PSIG) Pages 80-82

High Pressure & CNG Filters

Finite® media grades and specifications

Finite media grades determine the filtration efficiency. Capture efficiencies are available up to 99.999%. Micron ratings range from 0.01 to 3 micron. The columns on the right note both the wet and dry pressure drops.

Media Grade	Coalescing Efficiency 0.3 to 0.6 Micron Particles	Coalescing Filters - C, H, Q, 7CVP Maximum Oil Carryover ¹ PPM w/w	Particulate Filters - 3P, G, F, T Micron Rating	Pressure Drop (PSID) @ Rate Flow ²	
				Media Dry	Media Wet With 10-20 wt. oil
4	99.995%	0.003	0.01	1.25	3-4
6	99.97%	0.008	0.01	1.0	2-3
7CVP	99.5%	0.09	0.5	0.25	0.5-0.7
8	98.5%	0.2	0.5	0.5	1-1.5
10	95%	0.85	1.0	0.5	0.5
100WS	N/A	N/A	100 Nominal	<0.25	0.25
3P	N/A	N/A	3.0	0.25	N/A
A	99% ³	N/A	3 Nominal	1.0	N/A

¹Tested per ADF-400 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

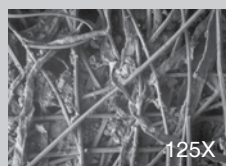
³Oil vapor removal efficiency is given for A media

Grade 3P



Three micron pleated cellulose filters are used for particulate interception where very high dirt holding capacity and a relatively fine pore structure are required.

Grade A



A (Adsorption) filters are used to remove hydrocarbon vapor, most typically in preparation for breathing air. (Must be preceded by grade 6C coalescer.)

500 PSIG Pressure Filters

FFC-110



Many CNG powered commuter vehicles, such as shuttle buses, taxis or vans, rely on FFC-110 filters to protect contaminants in the fuel tank from entering the engine.

Finite's FFC-110 is often used onboard CNG (compressed natural gas) powered vehicles to prevent contaminants in the fuel tank from getting into the engine, protecting critical engine components, like fuel injectors. Its small size allows for versatile installation and easy servicing. Each housing is powder painted for long-term corrosion protection. These coalescers are ideal for operating environments up to 500 PSIG. Coalescing efficiencies of 95% (grade 10) or 99.97% (grade 6) can be chosen to match the filter to the application. Both the FFC-110 and FFC-110L have an 1/8" NPT drain port with a brass petcock manual drain.

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp.	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
FFC-110	1/4"	500 PSIG (34 bar)	175°F (79°C)	Chromated Aluminum	Stainless Steel	Chromated Aluminum	Buna-N	5.1 oz. (150 ml)	1.5 lbs. (0.68 kgs.)	7.8" (198.1mm)	3.1" (78.7mm)
FFC-110L	1/2"	500 PSIG (34 bar)	175°F (79°C)	Chromated Aluminum	Stainless Steel	Chromated Aluminum	Buna-N	4.7 oz. (140 ml)	1.8 lbs. (0.82 kgs.)	10.2" (259.1mm)	3.1" (78.7mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG
FFC-110	6	15	35	67
	10	25	58	112
FFC-110L	6	30	69	135
	10	50	115	224

How to Order:

How to Order:							Bowl	Element Grade	Example:	
F	F	C	-	1	1	0	Leave blank for standard	-	6	FFC-110-6
							L (Long)		10	

Mounting bracket available: BK-M

Replacement Elements Available:

Filter Housing Model	Media Grade 6	Media Grade 10
FFC-110	CLS110-6 X 8	CLS110-10 X 8
FFC-110L	CLS110-6L X 4	CLS110-10L X 4

Note: X 4 or X 8 in the part number signifies how many elements are sold in a Box.



SN8S

Bottling plants use stainless steel system components for their critical processes. In applications where stainless steel is required, use the SN8S to remove contaminants from your compressed air or gas system.

Finite's 500 PSIG SN8S filter is the best solution for most critical or corrosive compressed air/gas applications. Its 2" NPT stainless steel housing is a perfect fit for food processing, bottling plants and pharmaceutical manufacturing, where stainless steel system components are required. Bulk liquid from gas separation, oil coalescing, particulate removal and vapor adsorber filter elements are available. The housing has a plugged 1/4" NPT drain connection. The optional ADS-50 (see page 89) stainless steel auto drain can be easily connected with standard pipe fittings.

High Pressure & CNG Filters

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. for each Element Type	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
SN8S	2"	500 PSIG (34 bar)	175°F (CU, 3PU, AU) 225°F (7CVP) 350°F (100WS) 450°F (DS)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluoro-carbon	14.6 oz (431.8 ml)	32.0 lbs. (14.5 kgs.)	27.7" (703.6mm)	6.3" (160.0mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG
SN8S	4CU/4DS	340	785	1526
	6CU/6DS	450	1038	2019
	8CU/8DS	600	1385	2692
	10CU/10DS	750	1731	3366
	3PU	750	1731	3366
	AU	450	1038	2019
	7CVP	750	1731	3366
	100WS	750	1731	3366

How to Order:

S	N	8	S	X	1
---	---	---	---	---	---

Example: SN8S X 1

How to Order Replacement Elements:

Element and housing sold separately.
Elements available (one per Box):

- *CU24-187 X 1
- *DS24-187 X 1
- 3PU24-187 X 1
- AU24-187 X 1
- 7CVP24-187 X 1
- 100WS24-187 X 1

* insert grade: 4, 6, 8, 10
For more information on element selection, please see pages 68-69.

For Example: 6CU24-187 X 1

800 PSIG Pressure Filters

M-Series

PET bottle blowing plants rely on the filtration protection of the M-Series to meet stringent standards for contact with food and beverage containers.



Finite's M-Series provides the needed filtration for a wide variety of compressed air/gas applications. Varied porting and connection styles, along with a robust design make this an extremely versatile filter. It is a perfect fit for interstage filtration applications for multistage, high pressure gas compressors. The aluminum heads and drawn aluminum bowls are compatible with special gases such as argon, hydrogen, compressed natural gas and helium. This housing design minimizes the problem of porosity often present with housings made by die casting.



Specifications:

Model Number	Port Size NPT	Max. Pressure	Max. Temp.	Materials of Construction				Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl	Seals			Length	Width
MN1S	1/4"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	5.1 oz. (150 ml)	1.83 lbs. (0.83 kgs.)	7.89" (200 mm)	3.06" (78 mm)
MN1L	1/4"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	4.7 oz. (140 ml)	2.19 lbs. (0.99 kgs.)	10.28" (261 mm)	3.06" (78 mm)
MN15S	3/8"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	5.1 oz. (150 ml)	1.82 lbs. (0.82 kgs.)	7.89" (200 mm)	3.06" (78 mm)
MN15L	3/8"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	4.7 oz. (140 ml)	2.17 lbs. (0.98 kgs.)	10.28" (261 mm)	3.06" (78 mm)
MN2S	1/2"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	5.1 oz. (150 ml)	1.80 lbs. (0.82 kgs.)	7.89" (200 mm)	3.06" (78 mm)
MN2L	1/2"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	4.7 oz. (140 ml)	2.15 lbs. (0.98 kgs.)	10.28" (261 mm)	3.06" (78 mm)
MN3S	3/4"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	9.1 oz. (270 ml)	5.01 lbs. (2.27 kgs.)	10.83" (275 mm)	4.55" (116 mm)
MN4S	1"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	9.1 oz. (270 ml)	4.90 lbs. (2.22 kgs.)	10.83" (275 mm)	4.55" (116 mm)
MN4L	1"	800 PSIG (55 bar)	175°F (79°C)	Machined Aluminum	Stainless Steel/Plastic	Aluminum	Buna-N	9.1 oz. (270 ml)	5.54 lbs. (2.51 kgs.)	14.36" (365 mm)	4.55" (116 mm)
MN8S	2"	800 PSIG (55 bar)	175°F (79°C)	Sand Cast Aluminum	Aluminum	Aluminum	Buna-N	14.9 oz. (440 ml)	10.37 lbs. (4.71 kgs.)	18.60" (472 mm)	5.91" (150 mm)

How to Order:

Series Name	Port Type	Port Size	Bowl	-	Element Grade	Element Type	End Seal	Accessories
M	N (NPT) T (BSPT) F (BSPF)	1 (1/4") 15 (3/8") 2 (1/2") 3 (3/4") 4 (1") 8 (2")	S (Standard) L (Long) Note: L is not available for 3/4" and 2" port size housings		4 6 8 10	C (Coalescer)	1/4" - 1" port size: Leave blank for no end seal or U (Urethane) 2" port size: V (Fluorocarbon)	N (No Accessories) G (Gauge) Standard on 2" port
					4 6 8 10	Q (Coalescer with built-in prefilter)	U (Urethane) Standard on all sizes	
				Leave blank		100WS	1/4" - 1" port size: U (Urethane) For 2" leave blank (standard fluorocarbon end seals)	
				Leave blank		7CVP (only available on 2" port)	Leave blank (standard fluorocarbon end seals)	
				Leave blank		3P (Pleated Cellulose Particulate element)	1/4" - 1" port size: U (Urethane) 2" port size: V (Fluorocarbon)	
				Leave Blank		A (Adsorber)	1/4" - 1" port size: U (Urethane) 2" port size: V (Fluorocarbon)	

Examples: MN2S-6QUG
MN3L-3PUN
MN8S-6CVG
MN8S-7CVPG



This (**G**) option is a great way to monitor pressure drop and determine when to replace the filter element.

How to Order Replacement Elements:

Housings are sold with one element. Build your own replacement element with the chart below:

Housing	Element Grade and Type	Element Size
M_1S M_15S M_2S	*C,*CU,*QU, 3PU, AU, 100WSU	10-025
M_1L M_15L M_2L	*C,*CU,*QU, 3PU, AU, 100WSU	10-050 (for 100WSU use 10-025)
M_3S M_4S	*C,*CU,*QU, 3PU, AU, 100WSU	15-060
M_4L	*C,*CU,*QU, 3PU, AU, 100WSU	15-095 (for 100WSU use 15-060)
M_8S	*CV,*QU, 3PV, AV, 100WS, 7CVP	25-130

Note: _insert port type. See How to Order above for more information.

1. Determine the housing you have by choosing from the "Housing" column on the chart.
2. Determine the element type and grade you need. *Insert grades 4,6,8 or 10 for C, CU, CV or QU. See pages 68-69 for more detail on grade selection.
3. Determine the corresponding element size by choosing from the "Element Size" column on the chart.
4. Combine "Element Grade and Type" designation with "Element Size" to get element part number.

Ex: 3PU10-025 or 6CU10-025

Element Box quantity depends on media type selected.

Mounting brackets available: MB-2 (1/4" - 1/2" port size)
BK-3 (3/4" - 1" port size)

For M-Series Flow Rates...
see next page!



M-Series (800 PSIG) Flow Rates (SCFM):

High Pressure & CNG Filters

Filter Housing	Media Grade	100 PSIG	250 PSIG	500 PSIG	800 PSIG
M_1S	4C/4Q	11	25	49	78
	6C/6Q	15	35	67	107
	7CVP	NA	NA	NA	NA
	8C/8Q	20	46	90	142
	10C/10Q	25	58	112	178
	3P	25	58	112	178
	100WS	50	115	224	355
	A	15	35	67	107
M_1L	4C/4Q	23	53	103	163
	6C/6Q	30	69	135	213
	7CVP	NA	NA	NA	NA
	8C/8Q	41	95	184	291
	10C/10Q	50	115	224	355
	3P	50	115	224	355
	100WS	50	115	224	355
	A	30	69	135	213
M_15S	4C/4Q	15	35	67	107
	6C/6Q	20	46	90	142
	7CVP	NA	NA	NA	NA
	8C/8Q	27	62	121	192
	10C/10Q	33	76	148	235
	3P	33	76	148	235
	100WS	66	152	296	469
	A	20	46	90	142
M_15L	4C/4Q	30	69	135	213
	6C/6Q	40	92	179	285
	7CVP	NA	NA	NA	NA
	8C/8Q	55	127	247	391
	10C/10Q	66	152	296	469
	3P	66	152	296	469
	100WS	66	152	296	469
	A	40	92	179	285
M_2S	4C/4Q	19	44	85	135
	6C/6Q	25	57	112	178
	7CVP	NA	NA	NA	NA
	8C/8Q	34	78	153	242
	10C/10Q	42	97	189	299
	3P	42	97	189	299
	100WS	83	192	372	590
	A	25	58	112	178

Filter Housing	Media Grade	100 PSIG	250 PSIG	500 PSIG	800 PSIG
M_2L	4C/4Q	38	88	171	270
	6C/6Q	50	115	224	355
	7CVP	NA	NA	NA	NA
	8C/8Q	68	157	305	483
	10C/10Q	83	192	372	590
	3P	83	192	372	590
	100WS	83	192	372	590
	A	50	115	224	355
M_3S	4C/4Q	61	141	274	434
	6C/6Q	80	185	359	569
	7CVP	NA	NA	NA	NA
	8C/8Q	109	252	489	775
	10C/10Q	133	307	597	946
	3P	133	307	597	946
	100WS	133	307	597	946
	A	80	184	359	569
M_4S	4C/4Q	76	175	341	541
	6C/6Q	100	231	449	711
	7CVP	NA	NA	NA	NA
	8C/8Q	136	314	610	967
	10C/10Q	166	383	745	1181
	3P	166	383	745	1181
	100WS	232	535	1041	1650
	A	100	231	449	711
M_4L	4C/4Q	106	245	476	754
	6C/6Q	140	323	628	995
	7CVP	NA	NA	NA	NA
	8C/8Q	191	441	857	1358
	10C/10Q	232	535	1041	1650
	3P	232	535	1041	1650
	100WS	232	535	1041	1650
	A	140	323	628	995
M_8S	4C/4Q	260	600	1167	1849
	6C/6Q	350	808	1571	2489
	7CVP	600	1385	2692	4267
	8C/8Q	465	1073	2087	3307
	10C/10Q	600	1385	2692	4267
	3P	600	1385	2692	4267
	100WS	600	1385	2692	4267
	A	350	808	1571	2489

Note: _insert port type. See How to Order on page 73 for more information.

1000 PSIG Pressure Filters

A*R

This robust but lightweight aluminum housing is designed especially for bypass gas sampling of specialty gases.



This lightweight, 1000 PSIG filter is constructed of aluminum and offers your choice of high efficiency particulate and coalescing filter elements. This product can be used for CNG or specialty gas applications. The A*R includes a drain port with a plug. The connection size of the drain port matches the inlet and outlet connection size, making it ideal for bypass gas sampling.

*specify part number A5R for 1/8" NPT connections or A1R for 1/4" NPT connections.

High Pressure & CNG Filters

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp.	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
A5R, A1R	1/8", 1/4"	1000 PSIG (68 bar)	225°F All Media Types	Aluminum	316 Stainless Steel	Aluminum	Fluoro-carbon	0.25 oz. (7.4 ml)	0.75 lbs. (0.34 kgs.)	4.0" (101.6mm)	1.75" (44.5mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG	750 PSIG	1000 PSIG
A5R/A1R	4	6.4	15	29	43	57
	6	8.4	19	38	56	75
	8	9.2	21	41	61	81
	10	10	23	45	67	88

How to Order:

Port Size NPT	Media Grade	Media Type	Element Size
A	5 (1/8")	R	-
	1 (1/4")	4	G
		6	T
		8	F
		10	H
			C

Example:
A1R-6C04-023

Mounting bracket available: MBS-1

How to Order Replacement Elements:

Elements available: _ insert grade: 4, 6, 8, 10
 _G04-023 X 10
 _T04-023 X 10
 _F04-023 X 10
 _H04-023 X 10
 _C04-023 X 10
 For more information on element selection, please see pages 68-69. Elements are sold in Box quantities of 10.

1200 PSIG Pressure Filters

SM-Series

Finite's stainless steel SM-Series housings are perfect for higher-pressure applications in corrosive working environments. Coalescing, particulate and adsorption filters are available. A threaded collar enables the user to easily remove the bowl for servicing, without having to remove the drain fitting and connections. The SM-Series has an SAE-4 drain port with plug.



Critical gas processing applications at elevated pressures rely on the SM-Series to provide clean, contaminant-free gas in corrosive environments.

High Pressure & CNG Filters

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. for each Element Type	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
SMN1S, SMN2S	1/4", 1/2"	1200 PSIG (83 bar)	450°F (T) 350°F (H, G) 275°F (F) 175°F (C, CU, QU, 3PU, AU)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluoro-carbon	1.8 oz. (53.23 ml)	3.6 lbs. (1.6 kgs.)	5.2" (132 mm)	3.0" (76 mm)
SMN1M, SMN2M	1/4", 1/2"	1200 PSIG (83 bar)	450°F (T) 350°F (H, G) 275°F (F) 175°F (C, CU, QU, 3PU, AU)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluoro-carbon	1.8 oz. (53.23 ml)	4.7 lbs. (2.1 kgs.)	7.7" (196 mm)	3.0" (76 mm)
SMN1L, SMN2L	1/4", 1/2"	1200 PSIG (83 bar)	450°F (T) 350°F (H, G) 275°F (F) 175°F (C, CU, QU, 3PU, AU)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluoro-carbon	1.8 oz. (53.23 ml)	5.7 lbs. (2.6 kgs.)	9.7" (246 mm)	3.0" (76 mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG	750 PSIG	1000 PSIG	1200 PSIG
SMN1S	4	10	23	45	67	88	106
	6	13	30	58	87	115	138
	8	17	39	76	113	150	181
	10	22	51	99	147	195	233
	3PU	22	51	99	147	195	243
	AU	13	30	58	87	115	138
SMN1M	4	20	46	90	133	177	212
	6	26	60	117	173	230	275
	8	34	78	153	227	301	360
	10	44	102	197	293	389	466
	3PU	44	102	197	293	389	466
	AU	26	60	117	173	230	275
SMN1L	4	28	65	126	187	248	296
	6	36	83	162	240	318	382
	8	47	108	211	313	416	498
	10	62	143	278	413	548	657
	3PU	62	143	278	413	548	657
	AU	36	83	162	240	318	382

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG	750 PSIG	1000 PSIG	1200 PSIG
SMN2S	4	16	37	72	107	142	169
	6	22	51	99	147	195	233
	8	29	67	130	193	257	307
	10	37	85	166	247	327	392
	3PU	37	85	166	247	327	392
	AU	22	51	99	147	195	233
SMN2M	4	32	74	144	213	283	339
	6	43	99	193	287	380	456
	8	58	134	260	387	513	615
	10	74	171	332	493	655	784
	3PU	74	171	332	493	655	784
	AU	43	99	193	287	380	456
SMN2L	4	45	104	202	300	398	477
	6	60	138	269	400	531	635
	8	81	187	363	540	717	858
	10	104	240	467	693	920	1102
	3PU	104	240	467	693	920	1102
	AU	60	138	269	400	531	635

High Pressure & CNG Filters

Ordering Information:

Series Name	Port Type	Port Size	Bowl	-	Element Grade	Element Type	End Seal	Accessories
SM	N (NPT)	1 (1/4") 2 (1/2")	S (Short) M (Medium) L (Long)		4	C (Coalescer) Q (Coalescer with built-in prefilter) G T F H	Leave blank for no end seal (Available on type G,T,F,H,C) U (Urethane end seals, available on types C,Q,3P,A)	N (No Accessories)
					6			
					8			
					Leave blank	3P (Pleated Cellulose Particulate Element)		
					Leave Blank	A (Adsorber)		

Examples: SMN2S-8GN
SMN1L-6CUN
SMN2M-3PUN
SMN1M-AUN

Mounting bracket available: MBS-2

How to Order Replacement Elements:

Housing	Element Grade and Type	Element Size
SMN1S, SMN2S	*C, *CU, *QU, *H, *F, *G, *T, 3PU, AU	10-025
SMN1M, SMN2M	*C, *CU, *QU, *H, *F, *G, *T, 3PU, AU	10-050
SMN1L, SMN2L	*C, *CU, *QU, *H, *F, *G, *T, 3PU, AU	10-070

Housings are sold with one element. Build your own replacement element using the steps below. Refer to the chart on the left.

- Determine the housing you have.
- Determine the element type and grade you need. *Insert grades 4,6,8 or 10. See pages 68-69 for more detail on grade selection.
- Determine the corresponding element size.
- Combine "Element grade and Type" designation with "Element Size" to get part number. For Example: 6QU10-050. Box quantity depends on media type selected.

3600 PSIG Pressure Filters

FFC-112

CNG powered vehicles such as airport shuttles and taxis use FFC-112 filters, which are installed on these vehicles. They protect critical engine components from contaminants present in CNG fuel.



CNG powered engine components such as fuel injectors and pressure reducing valves require contaminant free air. Submicronic solid or lubricant aerosols may carry over during CNG compression. Contaminants can also be generated in the storage and distribution of the natural gas, and may eventually enter the vehicle's storage tank. Both 1/4" NPT and 9/16" SAE connections are available on this 3600 PSIG rated assembly. The machined aluminum housing is anodized to enhance durability. It's robust yet small, lightweight size allows for versatile installation and easy servicing.

Specifications:

Model Number	Port Size	Max. Pressure	Max. Temp.	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
FFC-112	1/4" NPT	3600 PSIG (248 bar)	225°F (107°C)	Anodized Aluminum	Acetal Plastic	Anodized Aluminum	Buna-N	0.5 oz. (14.8 ml)	1.5 lbs. (0.68 kgs.)	4.75" (120.65mm)	2.25" (57.15mm)
FFC-112 SAE	9/16" SAE	3600 PSIG (248 bar)	225°F (107°C)	Anodized Aluminum	Acetal Plastic	Anodized Aluminum	Buna-N	0.5 oz. (14.8 ml)	1.5 lbs. (0.68 kgs.)	4.75" (120.65mm)	2.25" (57.15mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG	750 PSIG	1000 PSIG	1500 PSIG	2000 PSIG	2500 PSIG	3000 PSIG	3600 PSIG
FFC-112/FFC-112 SAE	6	10	23	45	67	88	132	176	219	263	315
	10	15	35	67	100	133	198	263	329	394	473

How to Order:

							Port	Element Grade
F	F	C	-	1	1	2	Leave blank for NPT	6
							SAE	10

Examples: FFC-112-6 or FFC-112 SAE-10

Replacement Elements Available:

Filter Housing Model	Media Grade 6	Media Grade 10
FFC-112/FFC-112 SAE	CLS112-6 X 10	CLS112-10 X 10

Note: X 10 in the part number denotes how many elements are sold in a Box.

Mounting bracket available: MB-2S

FFC-113

Many large CNG powered vehicles, such as buses used in city transit systems rely on FFC-113 filters, which are installed onboard the vehicle itself. They protect critical engine components from contaminants present in alternative fuel gas systems.



The FFC-113 is a popular filter choice onboard alternative fuel vehicles. Tiny solid and liquid contaminants can foul critical engine components, diminishing engine performance. These contaminants are typically generated during the compression, storage, and dispensing of alternative fuel gases like CNG. The FFC-113 removes sub-micronic contaminants with removal efficiencies from 95% to 99.97% ensuring long service intervals for components like fuel injectors.

Its robust 303 stainless steel construction and 3600 PSIG design pressure and relatively light weight combine to provide a unit that will withstand the harsh operating environments found on heavy duty vehicles like buses and trucks. It is supplied with 1/2" NPT connections and is designed for flows exceeding 1550 SCFM at 3600 PSIG.

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Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp.	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
FFC-113	1/2"	3600 PSIG (248 bar)	175°F (79°C)	303 Stainless Steel	303 Stainless Steel	303 Stainless Steel	Fluoro-carbon	5.0 oz. (147.9 ml)	5.5 lbs. (2.5 kgs.)	8.06" (204.7mm)	2.97" (75.44mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG	750 PSIG	1000 PSIG	1500 PSIG	2000 PSIG	2500 PSIG	3000 PSIG	3600 PSIG
FFC-113	6	25	58	112	167	221	330	439	548	657	788
	10	50	115	224	333	442	660	878	1096	1314	1576

How to Order:

How to Order:								Element Grade
F	F	C	-	1	1	3	-	6 10
Example: FFC-113-6								

Replacement Elements Available:

Filter Housing Model	Media Grade 6	Media Grade 10
FFC-113	DLS113-6 X 6	DLS113-10 X 6

Note: X 6 in the part number denotes how many elements are sold in a Box.

5000 PSIG Pressure Filters

J-Series

J-Series filters are used in a number of applications, ranging from breathing air for scuba divers, to high-pressure hydraulic circuit testing, to a variety of uses in the alternative fuel industry.



Finite's J-Series is designed to filter contaminants such as rust and pipe scale, compressor lube oil, and water from compressed gases. These filters are often used in high pressure compressed natural gas (CNG) systems, not only as inter-stage filters in the multiple stage compression of the gas, but also in the storage and delivery of the gas to CNG powered vehicles.

Finite's varied media choices remove up to 99.995% of both solid and liquid aerosols, and contaminants as small as 0.2 microns in size. Additionally, cartridges are available with either silica gel or molecular sieve, these desiccants adsorb water vapor, drying the high pressure air or gas. An activated carbon media is also available which removes oil vapor. This stage of filtration is often used as the final filter before the storage of high pressure breathing air used by scuba divers, firefighters, and others that utilize portable breathing devices.

The filter housings and the replaceable elements used in this product line have an extremely robust construction, specially designed for use in system pressures up to 5000 psig. Four housing sizes and two thread styles (NPT or SAE) are available with connections ranging from 1/2" to 1 1/2"; temperatures up to 350°F, and flows up to 20,000 SCFM at 5000 PSIG.

Specifications:

Model Number	Port Size	Max. Pressure	Max. Temp. for each Element Type	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
J2SD	SAE-8*	5000 PSIG (345 bar)	350°F (C, 3P, 100WS) 175°F (A)	Ductile Cast Iron	Aluminum	Carbon Steel	Fluoro-carbon	2.0 oz. (60 ml)	9.2 lbs. (4.2 kgs.)	8.1" (205.7mm)	3.7" (94.0mm)
J2SL	SAE-8*	5000 PSIG (345 bar)	350°F (C, 3P, 100WS) 175°F (A)	Ductile Cast Iron	Aluminum	Carbon Steel	Fluoro-carbon	7.4 oz. (220 ml)	13.1 lbs. (5.9 kgs.)	12.0" (304.8mm)	3.7" (94.0mm)
J4SF/ J4NF	SAE-16/ 1" NPT	5000 PSIG (345 bar)	350°F (C, 3P, 100WS) 175°F (A) 130°F (10J)	Nodular Cast Iron	Aluminum	Nodular Cast Iron	Fluoro-carbon	7.1 oz. (210 ml)	22.1 lbs. (10.0 kgs.)	13.5" (342.9mm)	4.6" (116.8mm)
J6SH/ J6NH	SAE-24/ 1 1/2" NPT	5000 PSIG (345 bar)	350°F (C, 3P, 100WS) 175°F (A) 130°F (10J)	Nodular Cast Iron	Aluminum	Carbon Steel	Fluoro-carbon	21.5 oz. (636 ml)	52.3 lbs. (23.7 kgs.)	21.1" (535.9mm)	6.5" (165.1mm)

*Note: Adapter bushings provided for 1/2" NPT female pipe connections.

How to Order:

Series Name	Port Size	Port Type	Bowl	-	Element Grade	Element Construction	Element Size
J	2 (1/2")	S (SAE-8) <small>Note: 1/2" NPT adapter bushings included.</small>	D (Standard) L (Extra Sump)	-	4C	WC (metal retainers, bonded on end caps with positive o-ring seal)	11-035 (J2)
					10C		
	3P	100WS	23-130 (J6)				
A							
	4 (1")	N (NPT) S (SAE-16)	F (Standard)		10J (Available on 1" and 1 1/2" port only)	WM (desiccant dryer with molecular sieve)	
	6 (1 1/2")	N (NPT) S (SAE-24)	H (Standard)			WA (desiccant dryer with activated aluminum)	

Examples: J2SL-10CWC11-035
J4NF-4CWC15-070
J6SH-3PWC23-130

How to Order Replacement Elements:

1. Determine the housing you have by choosing from the "Housing" column on the chart.
2. Determine the "Element Grade and Type" you need. See pages 68-69 for more detail on grade selection.
3. Determine the corresponding element size by choosing from the "Element Size" column on the chart.
4. Combine "Element Grade and Type", "Element Size" and "Box Quantity" get part number.

Example: 4CWC15-070 X 2 or 3PWC23-130 X 1

Housings are sold with one element. Build your own replacement element with the chart below.

Housing	Element Grade and Type	Element Size	X	Box Quantity
J2SD, J2SL	4CWC, 10CWC, 3PWC, AWC, 100WS	11-035		4
J4NF, J4SF	4CWC, 10CWC, 3PWC, AWC, 100WS, 10JWM, 10JWA	15-070		2
J6NH, J6SH	4CWC, 10CWC, 3PWC, AWC, 100WS, 10JWM, 10JWA	23-130		1

Use a high pressure drain kit with Finite's J-Series... see page 88!



For J-Series Flow Rates ... see next page!

J-Series (5000 PSIG) Flow Rates (SCFM):

High Pressure & CNG Filters

Filter Housing Model	Media Grade	100 PSIG	1000 PSIG	1500 PSIG	2000 PSIG	2500 PSIG	3000 PSIG	3500 PSIG	4000 PSIG	4500 PSIG	5000 PSIG
J2SD/J2SL	4C	30	265	400	527	658	800	919	1050	1200	1333
	10C	60	531	800	1054	1315	1600	1839	2100	2400	2667
	3P	60	531	800	1054	1315	1600	1839	2100	2400	2667
	A	30	265	400	527	658	800	919	1050	1200	1333
	100WS	60	531	800	1054	1315	1600	1839	2100	2400	2667
J4SF/J4NF	4C	75	663	1000	1317	1644	2000	2298	2625	3000	3333
	10C	150	1327	2000	2635	3289	4000	4596	5250	6000	6667
	3P	150	1327	2000	2635	3289	4000	4596	5250	6000	6667
	A	75	663	1000	1317	1644	2000	2298	2625	3000	3333
	100WS	150	1327	2000	2635	3289	4000	4596	5250	6000	6667
	10JWM	150	1327	2000	2635	3289	4000	4596	5250	6000	6667
	10JWA	150	1327	2000	2635	3289	4000	4596	5250	6000	6667
J6SH/J6NH	4C	225	1990	3000	3952	4933	6000	6895	7875	9000	10000
	10C	450	3981	6000	7904	9866	12000	13789	15751	18000	20000
	3P	450	3981	6000	7904	9866	12000	13789	15751	18000	20000
	A	225	1990	3000	3952	4933	6000	6895	7875	9000	10000
	100WS	450	3981	6000	7904	9866	6000	13789	15751	6000	6667
	10JWM	450	3981	6000	7904	9866	6000	13789	15751	6000	6667
	10JWA	450	3981	6000	7904	9866	6000	13789	15751	6000	6667



Scuba divers rely on clean, dry air to fill their air tanks. Finite filters ensure that any impurities, such as oil, water or particulate are removed before entering the tanks.

5000 PSIG Pressure Filters

S*R

These robust, corrosion resistant filters are ideal for ultrafine filtration of specialty gases.



Measuring only four inches in height, these filters are ideal for bypass gas sampling applications. The drain port (plugged) connection size matches the inlet/outlet connection size. The corrosion resistant materials used for this model lend themselves to extreme operating environments.

*specify part number S5R for 1/8" NPT connections or S1R for 1/4" NPT connections.

High Pressure & CNG Filters

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. for each Element Type	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
S5R, S1R	1/8", 1/4"	5000 PSIG (345 bar)	400°F (T) 350°F (G, C) 275°F (F)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluoro-carbon	0.25 oz. (7.4 ml)	1.16 lbs. (0.53 kgs.)	4.0" (101.6mm)	1.75" (50.8mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	1000 PSIG	1500 PSIG	2000 PSIG	2500 PSIG	3000 PSIG	3500 PSIG	4000 PSIG	4500 PSIG	5000 PSIG
S5R/S1R	4	6.4	56	85	112	140	168	196	224	252	280
	6	8.4	74	111	148	184	221	257	294	331	368
	8	9.2	82	121	162	202	242	282	322	362	402
	10	10	90	132	176	219	263	306	350	394	438

How to Order:

Port Size NPT	Media Grade	Media Type	Element Size
S	4	G	04-023
	6	T	
	8	F	
	10	H	
		C	

Example: S1R-6T04-023

Mounting bracket available: MBS-1

How to Order Replacement Elements:

Elements available: _ insert grade: 4, 6, 8, 10
 _G04-023 X 10
 _T04-023 X 10
 _F04-023 X 10
 _H04-023 X 10
 _C04-023 X 10
 For more information on element selection, please see pages 68-69.

5000 PSIG Pressure Filters

S1IL

The S1IL is often used on specialty gas analyzers or to remove particulate contamination from bottled gases.



Finite's S1IL particulate filter is typically applied in bottled gas applications or for sample preparation on gas analyzing equipment. It does not have a drain port and should only be used when little or no liquid contamination is expected. Though small in size, the S1IL is perfect for applications with elevated pressures or corrosive atmospheres and offers the availability of a high temperature element. Three high efficiency particulate elements are available for temperatures rated up to 400°F.

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp. for each Element	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
S1IL	1/4"	5000 PSIG (345 bar)	400°F (T) 350°F (G) 275°F (F)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluoro-carbon	None	0.75 lbs. (0.34 kgs.)	3.10" (78.74mm)	1.25" (31.75mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	1000 PSIG	1500 PSIG	2000 PSIG	2500 PSIG	3000 PSIG	3500 PSIG	4000 PSIG	4500 PSIG	5000 PSIG
S1IL	4	3.6	32	48	63	79	95	110	126	142	158
	6	4.7	42	62	83	103	124	144	165	185	206
	8	5.2	46	69	91	114	137	159	182	205	228
	10	5.7	51	75	100	125	150	175	200	224	249

How to Order:

	Media Grade	Media Type	Element Size
S	4	T	04-013
1	6	G	
I	8	F	
L	10		
-			

Example: S1IL-8G04-013

How to Order Replacement Elements:

Elements available:
 *T04-013 X 10
 *G04-013 X 10
 *F04-013 X 10

* insert grade: 4, 6, 8, 10
 For more information on element selection, please see pages 68-69.
 Elements are sold in Box quantities of 10.

FFC-116

Many CNG powered commuter vehicles, such as shuttle buses, taxis or vans, rely on FFC-116 filters to protect contaminants from fouling fuel injector systems. Both solid and liquid contaminants can enter the system from various sources.



This stainless steel filter is commonly used to filter oil, water and particulate from lower flow CNG systems and onboard CNG vehicles. Its small size allows for installation versatility and ease of servicing. The 316 stainless steel construction resists corrosion. Its 5000 PSIG design enables it to be used on the high pressure side of a CNG system, protecting both the regulator and the fuel injectors. The sump capacity is 0.25 oz. (74 cc) for fluid contaminants, which can be drained through a plugged 1/4" NPT drain port.

High Pressure & CNG Filters

Specifications:

Model Number	Port Size (NPT)	Max. Pressure	Max. Temp.	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions	
				Head	Internals	Bowl				Length	Width
FFC-116	1/4"	5000 PSIG (345 bar)	350°F (177°C)	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Fluoro-carbon	0.25 oz. (74 ml)	1.16 lbs. (0.53 kgs.)	4.0" (101.6mm)	1.75" (44.5mm)

Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	1000 PSIG	1500 PSIG	2000 PSIG	2500 PSIG	3000 PSIG	3500 PSIG	4000 PSIG	4500 PSIG	5000 PSIG
FFC-116	6	8.4	74	111	148	184	221	257	294	331	368
	10	10	90	132	176	219	263	306	350	394	438

How to Order:

How to Order:								Element Grade
F	F	C	-	1	1	6	-	6 10

Example: FFC-116-6

Replacement Elements Available:

Filter Housing Model	Media Grade 6	Media Grade 10
FFC-116	CLS116-6 X 10	CLS116-10 X 10

Note: X 10 in the part number denotes how many elements are sold in a box.

Mounting bracket available: MBS-1

6000 PSIG Pressure Filters

SJ-Series



This robust, stainless steel filter is rated for working pressures up to 6000 PSIG, which makes this the filter of choice for extremely demanding applications. The SJ-series comes in a variety of port sizes and types, reducing the need for extra piping or the use of adapters in your application. The 1/4" drain port allows the user to drain all oil from the assembly prior to servicing, eliminating possible cross contamination and leaving a cleaner environment. Use this filter for your offshore applications, water fogging, caustic washdowns (food processing) or on high pressure test stands. A wide variety of filter element media grades and styles means that your application needs will be efficiently met.

Specifications:

Model Number	Port Size (NPT or SAE)	Max. Pressure	Max. Temp. for each Element Type	Materials of Construction			Seals	Sump Capacity	Weight	Dimensions		Replacement Element Size
				Head	Internals	Bowl				Length	Width	
SJN*S, SJS*S	1/2"-1"	6000 PSIG (414 bar)	175°F (Grade A) 350°F (All other grades)	316L Stainless Steel	316L Stainless Steel	316L Stainless Steel	Fluoro-carbon	2.1 oz. (61 ml)	14 lbs. (6.4 kgs.)	8.26" (210mm)	4.00" (102mm)	11-036
SJN*L, SJS*L	1/2"-1"	6000 PSIG (414 bar)	175°F (Grade A) 350°F (All other grades)	316L Stainless Steel	316L Stainless Steel	316L Stainless Steel	Fluoro-carbon	7.8 oz. (230 ml)	18 lbs. (8.2 kgs.)	11.97" (304mm)	4.00" (102mm)	11-036
SJN*H, SJS*H	1/2"-1"	6000 PSIG (414 bar)	175°F (Grade A) 350°F (All other grades)	316L Stainless Steel	316L Stainless Steel	316L Stainless Steel	Fluoro-carbon	2.1 oz. (61 ml)	17 lbs. (7.7 kgs.)	11.97" (304mm)	4.00" (102mm)	11-072

*insert port size: 2 = 1/2", 3 = 3/4" and 4 = 1"

How to Order:

Series Name	Port Type	Port Size	Bowl	Element Grade	Element Construction	Accessories
SJ	N (NPT) S (SAE)	2 (1/2") 3 (3/4") 4 (1")	S (Standard) L (Long bowl, short element, extra sump) H (High Flow: Long bowl, long element)	4C	WC (metal retainers, bonded on end caps with positive o-ring seal.)	N (No Accessories) Examples: SJN2S-4CWCN SJS3L-3PWCN
				10C		
				3P A 100WS	Leave blank	

How to Order Replacement Elements:

Housings are sold with one element. Build your own replacement element with the chart below.

Housing	Element Grade and Type	Element Size
SJN*S, SJS*S, SJN*L, SJS*L	4CWC, 10CWC, 3PWC, AWC, 100WS	11-036
SJN*H, SJS*H	4CWC, 10CWC, 3PWC, AWC, 100WS	11-072

1. Determine the housing you have by choosing from the "Housing" column on the chart. Insert port size. See How to Order above for more info on port sizes.
2. Determine the "Element Grade and Type" you need. See pages 68-69 for more detail on grade selection.
3. Determine the corresponding element size by choosing from the "Element Size" column on the chart.
4. Combine "Element Grade and Type", "Element Size" and then add Box quantity to the end. Box quantities are all X 4, except 100WS which is X 1. Example: 4CWC11-036 X 4 or 100WS11-072 X 1.



Use a high pressure drain kit with Finite's SJ-Series... see page 88!



Flow Rates (SCFM):

Filter Housing Model	Media Grade	100 PSIG	250 PSIG	500 PSIG	750 PSIG	1000 PSIG	1500 PSIG	2000 PSIG	2500 PSIG	3000 PSIG	3500 PSIG	4500 PSIG	5000 PSIG	5500 PSIG	6000 PSIG
SJN_S	4C	25	58	112	167	221	330	439	548	657	766	984	1093	1202	1311
	10C	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	3P	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	A	33	76	148	220	292	436	580	723	867	1011	1299	1443	1587	1731
	100	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
SJS_S	4C	25	58	112	167	221	330	439	548	657	766	984	1093	1202	1311
	10C	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	3P	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	A	33	76	148	220	292	436	580	723	867	1011	1299	1443	1587	1731
	100	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
SJN_L	4C	25	58	112	167	221	330	439	548	657	766	984	1093	1202	1311
	10C	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	3P	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	A	33	76	148	220	292	436	580	723	867	1011	1299	1443	1587	1731
	100	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
SJS_L	4C	25	58	112	167	221	330	439	548	657	766	984	1093	1202	1311
	10C	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	3P	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
	A	33	76	148	220	292	436	580	723	867	1011	1299	1443	1587	1731
	100	55	127	247	367	487	726	966	1206	1446	1685	2165	2405	2644	2884
SJN_H	4C	62	143	278	413	548	819	1089	1359	1630	1900	2440	2711	2981	3252
	10C	136	314	610	907	1203	1796	2389	2982	3575	4167	5353	5946	6539	7133
	3P	136	314	610	907	1203	1796	2389	2982	3575	4167	5353	5946	6539	7133
	A	82	189	368	547	725	1083	1440	1798	2155	2513	3228	3585	3943	4301
	100	136	314	610	907	1203	1796	2389	2982	3575	4167	5353	5946	6539	7133
SJS_H	4C	62	143	278	413	548	819	1089	1359	1630	1900	2440	2711	2981	3252
	10C	136	314	610	907	1203	1796	2389	2982	3575	4167	5353	5946	6539	7133
	3P	136	314	610	907	1203	1796	2389	2982	3575	4167	5353	5946	6539	7133
	A	82	189	368	547	725	1083	1440	1798	2155	2513	3228	3585	3943	4301
	100	136	314	610	907	1203	1796	2389	2982	3575	4167	5353	5946	6539	7133

High Pressure & CNG Filters

Note: _insert port type. See How to Order on page 86 for more information.

High Pressure Drain Kits

Product Overview

High pressure compressed gas systems oftentimes contain excessive amounts of liquid aerosols. This liquid can best be removed by utilizing Finite's J-Series or SJ-Series coalescing filters. A Grade 10 filter followed by a Grade 4 filter will remove greater than 99.995% of the liquid water and/or oil carryover from the compressed gas system. This liquid can now be safely removed with Finite's NEW High Pressure Drains (JDK and SJDK Series)! These drains are fully-assembled and are constructed of 316 Stainless Steel. They include two needle valves, fittings, and a pipe reservoir.

The JDK Series is rated for 5000 PSIG and connects directly to the bottom of the J-Series filter housings. The SJDK Series is rated for 6000 PSIG and connects directly to the bottom of the SJ-Series housing. These High Pressure Drains are offered in both vertical and horizontal orientations. The vertical orientation is ideal for applications in which there is adequate bowl removal clearance, while the horizontal orientation is ideal for applications with limited bowl removal clearance.

Operation

Finite's new High Pressure Drains allow the user to safely remove condensate from a high pressure compressed gas system. Proper operation of the drain involves keeping the first needle valve open and the second needle valve closed. The liquid that is coalesced from the filter will empty into the drain's high pressure reservoir and fill the internal volume with liquid.

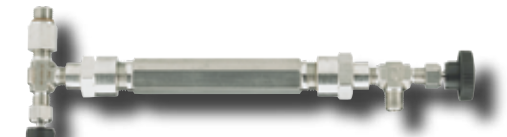
When it is time to expel the liquid from the drain kit (usually on a preventative maintenance schedule), the top needle valve should be closed to shut off system pressure. The bottom needle valve should then be opened SLOWLY since the liquid will discharge rapidly from the drain. This procedure should be repeated until all of the liquid has been removed from the filter bowl and drain reservoir.

All liquid should be collected and disposed of in accordance with local regulations.

**JDK5000V/
SJDK6000V**



**JDK5000H/
SJDK6000H**



A direct connection

Finite's drain kits can be used in many high pressure air or gas system. They can also be used to hook up directly to Finite's J-Series (pages 80-82) or Finite's SJ-Series (pages 86-87).



Finite's J-Series

Finite's SJ-Series

Part Number	Description	Inlet	Outlet	Max Pressure	Max Temp.
JDK5000V	Vertical J-Series Drain	SAE-6	1/4" NPT	5000 PSIG (345 bar)	100°F (38°C)
JDK5000H	Horizontal J-Series Drain	SAE-6	1/4" NPT	5000 PSIG (345 bar)	100°F (38°C)
SJDK6000V	Vertical SJ-Series Drain	SAE-4*	1/4" NPT	6000 PSIG (414 bar)	100°F (38°C)
SJDK6000H	Horizontal SJ-Series Drain	SAE-4*	1/4" NPT	6000 PSIG (414 bar)	100°F (38°C)

*The SAE-4 fitting can be removed to adapt to 1/4" NPT.

ADS-50

304 Stainless Steel
Automatic Drain Trap



Specifications:

Max Temperature:	450°F (232°C)
Max Pressure:	250 PSIG (17 bar)
Connections:	1/2" NPT inlet and outlet

TD-50

Adjustable Timed Drain Valve



Specifications:

Max Temperature:	150°F (66°C)
Max Pressure:	600 PSIG (42 bar)
Connections:	1/2" NPT inlet and outlet

TV-25-700

Timed Drain Valve



Specifications:

Max. Temperature:	210°F (99°C)
Max. Pressure:	700 PSIG (48 bar)
Connections:	1/4" NPT

DPI-25

Differential Pressure Gauge



Specifications:

Max. Temperature:	200°F (88°C)
Max. Pressure:	5000 PSIG (340 bar)
Connections:	1/4" NPT

Other options available:

- BDPI-25 (DPI-25 with mounting brackets)
- DPS-25 (DPI-25 with SPST reed switch included)
- BDPS-25 (DPS-25 with mounting brackets)

DPG-15HP

Differential Pressure
Gauge



Specifications:

Max. Temperature:	200°F (93°C)
Max. Pressure:	800 PSIG (55 bar)
Connections:	Holes on M-Series housing must be predrilled

Notes:

High Pressure &
CNG Filters



www.finitefilter.com

finitefilter@parker.com



Air Preparation Units

Filters, Regulators and Lubricators

Bulletin 1300 - 703-3/USA



FRL's & Vacuum
Exhaust Filters

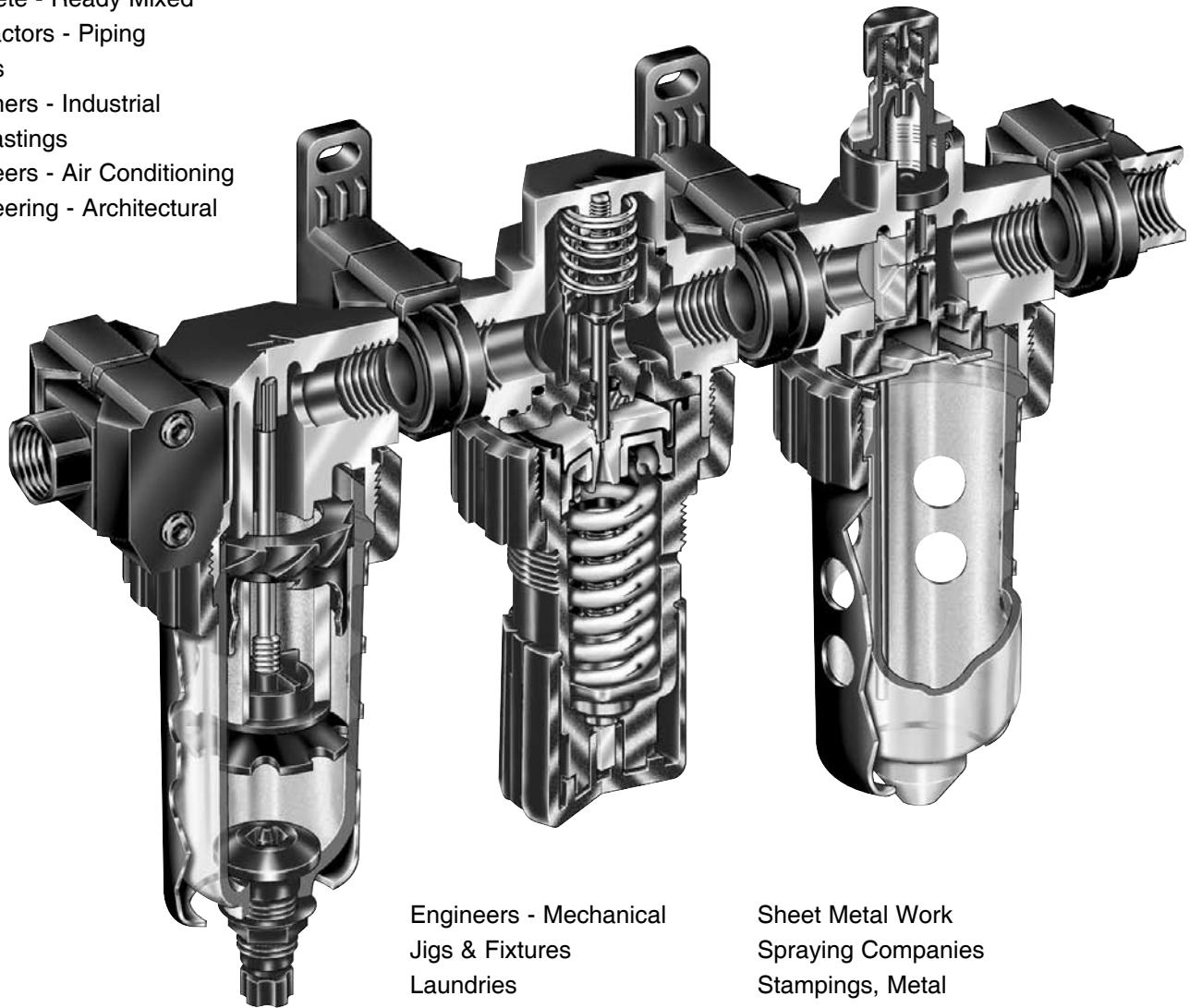
Finite®



FRL Applications

Aircraft Dealers
 Aircraft Servicing
 Amusement Parks
 Automation Systems
 Automobile Body Repairing and Painting
 Bakers
 Bottle Manufacturers
 Candy Manufacturers
 Canners
 Coatings - Protective
 Concrete - Ready Mixed
 Contractors - Piping
 Dairies
 Designers - Industrial
 Die Castings
 Engineers - Air Conditioning
 Engineering - Architectural

Painting Contractors
 Plastic & Plastic Products
 Plating
 Potato Chips
 Printing
 Railroads
 Safety Equipment
 Sand Blasting
 Screw Machine Products
 Service Stations





































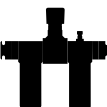


FRL's & Vacuum
 Exhaust Filters

Engineers - Mechanical
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 Machine Shops
 Material Handling Equipment
 Metal Finishers
 Mixing Machinery
 Monorail Systems
 Newspapers
 Packaging Machinery
 Sheet Metal Work
 Spraying Companies
 Stampings, Metal
 Steel Processing
 Telephone Offices
 Tires - Recapping & Retreading
 Toys - Manufacturers
 Welding
 Woodworkers

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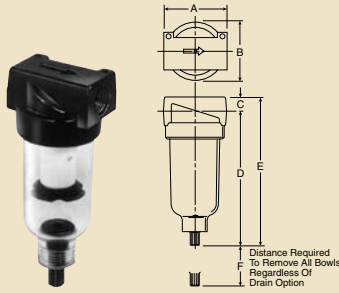
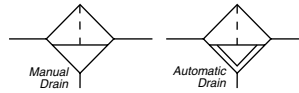
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Product Selection Chart

Series	F14	Q5S/ Q1S	F05	F06	F07	FP3N	F10	F11	F12	F15
Port Size (inches)	1/8, 1/4	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/8, 1/2, 3/4	3/4 1, 1-1/2	1/8, 1/4	1/4 3/8, 1/2	3/8, 1/2, 3/4	1/4, 3/8
Air Line Filters										
Coalescing Filter										
Air Line Regulators										
Pilot Controlled Regulator										
Filter / Regulator							 (coalescer)		 (coalescer)	
Micro-Mist Lubricator	 (F04L)		 (F15)	 (F16)	 (F17)					
Mist Lubricator										
Filter / Regulator / Lubricator Combination 2-Unit			 (F15)	 (F16)	 (F17)					
Filter / Regulator / Lubricator Combination 3-Unit	 (1/4" only)							 (1/2" only)		

FRL's & Vacuum Exhaust Filters

Air Line Filters



MINIATURE

Pipe Ports	1/8"	1/4"
*Flow SCFM	22	24

1 Ounce Bowl
5 Micron Element

	Poly Bowl	Metal Bowl
<i>Manual Drain (Twist)</i>		
1/8"	F14F01B	F14F03B
1/4"	F14F11B	F14F13B
<i>Automatic Pulse Drain</i>		
1/8"	F14F05B	F14F07B
1/4"	F14F15B	F14F17B

Specifications

Body: Zinc

Bowls:

Transparent Polycarbonate
Metal (Zinc)

Filter Elements:

5 Micron Standard – Plastic
Element Part: PS403

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)

(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Automatic Pulse Drain:

Operating Range 10-250 PSIG (0.7 to 17 bar) at 125°F (52°C) or less

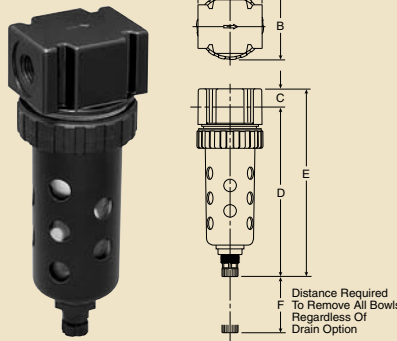
Dimensions

A	B	C	D	D**	E
1.69 (43)	1.53 (39)	.39 (10)	3.82 (97)	3.87 (99)	4.21 (107)
E**	F				
4.26 (108)	1.60 (41)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Automatic Pulse Drain



SUBCOMPACT

Pipe Ports	1/4"	3/8"
*Flow SCFM	54	70

2.0 Ounce Bowl
5 Micron Element

	Poly Bowl/ Metal Guard	Metal Bowl/ Sight Gauge
<i>Manual Drain (Twist)</i>		
1/4"	F05F12B	F05F14B
3/8"	F05F22B	F05F24B
<i>Automatic Pulse Drain</i>		
1/4"	F05F1PB	F05F1TB
3/8"	F05F2PB	F05F2TB

Specifications

Body: Zinc

Bowls:

Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Filter Elements:

5 Micron Standard – Plastic
Element Part: PS902P

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)

(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Automatic Pulse Drain:

Operating Range 10-150 PSIG (0.7 to 10 bar) at 125°F (52°C) or less

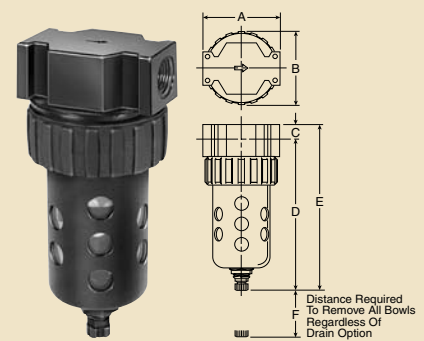
Dimensions

A	B	C	D**	E**	F
2.00 (51)	2.06 (52)	.56 (14)	5.35 (136)	5.91 (150)	2.25 (57)

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Twist or Automatic Pulse Drain



COMPACT

Pipe Ports	1/4"	3/8"	1/2"
*Flow SCFM	53	80	85

4.4 Ounce Bowl
5 Micron Element

	Poly Bowl/ Metal Guard	Metal Bowl/ Sight Gauge
<i>Manual Drain (Twist)</i>		
1/4"	F06F12B	F06F14B
3/8"	F06F22B	F06F24B
1/2"	F06F32B	F06F34B

Automatic Float Drain

1/4"	F06F16B	F06F18B
3/8"	F06F26B	F06F28B
1/2"	F06F36B	F06F38B

Specifications

Body: Zinc

Bowls:

Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Filter Elements:

5 Micron Standard – Plastic
Element Part: PS702

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)

(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Automatic Float Drain:

Operating Range 10-250 PSIG (0.7 to 17 bar) at 125°F (52°C) or less

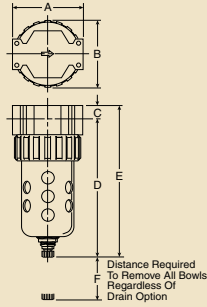
Dimensions

A	B	C	D	D**	E
2.81 (71)	2.74 (70)	.53 (13)	5.69 (145)	5.74 (146)	6.22 (158)
E**	F				
6.27 (159)	2.25 (57)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Automatic Float Drain



STANDARD

Pipe Ports	3/8"	1/2"	3/4"
*Flow SCFM	100	130	145

7.2 Ounce Bowl
5 Micron Element

	Poly Bowl/ Metal Guard	Metal Bowl/ Sight Gauge
--	------------------------------	-------------------------------

Manual Drain (Twist)

3/8"	F07F22B	F07F24B
1/2"	F07F32B	F07F34B
3/4"	F07F42B	F07F44B

Automatic Float Drain

3/8"	F07F26B	F07F28B
1/2"	F07F36B	F07F38B
3/4"	F07F46B	F07F48B

Specifications

Body: Zinc

Bowls:

Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Filter Elements:

5 Micron Standard – Plastic
Element Part: PS802

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)

See CAUTION on right

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Automatic Float Drain:

Operating Range 10-250 PSIG (0.7 to 17 bar) at 125°F (52°C) or less

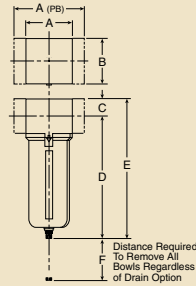
Dimensions

A	B	C	D	D**	E
3.24 (82)	3.25 (83)	.70 (18)	6.97 (177)	7.00 (178)	7.67 (195)
E**	F				
7.70 (196)	2.75 (70)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Automatic Float Drain



HI-FLOW

Pipe Ports	3/4"	1"	1-1/2"
*Flow SCFM	270	300	310

18 Ounce Metal Bowl
5 Micron Element

Metal Bowl/ Sight Gauge

Manual Drain (Twist)

3/4"	FP3NFA96ESM
1"	FP3NFA98ESM
1-1/2"	FP3NFA9PESM

Automatic Float Drain

3/4"	FP3NFA96ESA
1"	FP3NFA98ESA
1-1/2"	FP3NFA9PESA

Specifications

Body: Aluminum

Bowl: Metal (Aluminum)
with Sight Gauge

Filter Elements:

5 Micron Standard – Plastic
Element Part: FP3NKA00ESE

Temperature and Pressure Ratings:

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Automatic Float Drain:

Operating Range 10-250 PSIG (0.7 to 17 bar) at 125°F (52°C) or less

Dimensions

A	A ^(PB)	B	C	D**	E**	F
3.62 (92)	5.91 (150)	3.62 (92)	1.38 (35)	9.57 (243)	10.95 (278)	4.92 (125)

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Twist Drain or Automatic Float Drain



CAUTION

Polycarbonate bowls, being transparent and tough, are ideal for use with filters and lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydro-carbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire resistant fluids, such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

TO CLEAN POLYCARBONATE BOWLS, USE MILD SOAP AND WATER ONLY! DO NOT use detergents or cleansing agents such as acetone, alcohol, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

Bowl guards are recommended for protection of polycarbonate bowls where chemical attack may occasionally occur.

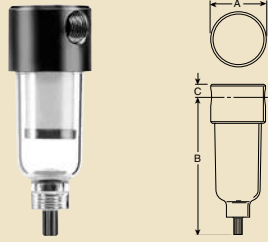
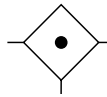
Metal bowl guards are recommended for all applications.



WARNING

To avoid polycarbonate bowl rupture that can cause personal injury or property damage, do not exceed bowl pressure or temperature ratings. Polycarbonate bowls have a 150 PSIG pressure rating and a Maximum temperature rating of 125°F.

Coalescing Filters



MINIATURE

Pipe Ports	1/8"	1/4"
* Flow SCFM	7.7	7.7

1 Ounce Bowl
Grade 6 and Grade 10 Elements

Poly Bowl Metal Bowl

Manual Drain (Twist)

1/8"	Q5S-6HM06-013	H5S-6HM06-013
1/4"	Q1S-6HM06-013	H1S-6HM06-013

Automatic Drain

1/8"	AQ5S-6HM06-013	AH5S-6HM06-013
1/4"	AQ1S-6HM06-013	AH1S-6HM06-013

For Grade 10 Element insert "10" in place of the "6" before the "HM".

Example: AQ1S-10HM06-013

Specifications

Body: Aluminum

Bowls: Transparent Polycarbonate
Metal (Zinc)

Filter Elements:

Borosilicate & Felt Glass Fibers
Grade 6 (Standard): 6HM06-013
Grade 10 (Optional): 10HM06-013

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Operation: Minimum Operating Pressure for Filter with Automatic Drain: 10 PSIG (.7 bar)

Dimensions

A	B	B**	C
1.69 (43)	3.82 (97)	3.87 (99)	.39 (10)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet and 3 PSIG pressure drop with grade 6 element.

**With Automatic Drain



SUBCOMPACT

Pipe Ports	1/4"	3/8"
* Flow SCFM	10	10

2.0 Ounces Bowl
Grade 6 and Grade 10 Elements
Differential Pressure Indicator Standard

Poly Bowl/ Bowl Guard Metal Bowl/ Sight Gauge

Manual Drain (Twist)

1/4"	F15F12E	F15F14E
3/8"	F15F22E	F15F24E

Automatic Pulse Drain

1/4"	F15F1PE	F15F1TE
3/8"	F15F2PE	F15F2TE

Specifications

Body: Zinc

Bowls: Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Filter Elements:

Borosilicate & Felt Glass Fibers
Grade 6 (Standard): PS924P
Grade 10 (Optional): PS930P

Note: For housings with a Grade 10 element, change the "E" in the 7th position of the part number to an "H"

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Automatic Pulse Drain:

Operating Range 10 to 150 PSIG (0.7 to 10.3 bar) at 125°F (52°C) or less

Dimensions

A	B	C	D**	E**	F
2.00 (51)	2.06 (52)	1.50 (38)	5.35 (136)	6.85 (174)	1.77 (45)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet and 3 PSIG pressure drop with grade 6 element.

**With Twist Drain or Automatic Float Drain



COMPACT

Pipe Ports	1/4"	3/8"	1/2"
* Flow SCFM	18	18	18

4.4 Ounces Bowl
Grade 6 and Grade 10 Elements
Differential Pressure Indicator Standard

Poly Bowl/ Bowl Guard Metal Bowl/ Sight Gauge

Manual Drain (Twist)

1/4"	F11F12E	F11F14E
3/8"	F11F22E	F11F24E
1/2"	F11F32E	F11F34E

Automatic Float Drain

1/4"	F11F16E	F11F18E
3/8"	F11F26E	F11F28E
1/2"	F11F36E	F11F38E

For Grade 10 Element change the 7th space from an "E" to an "H".

Example: F11F11H.

Specifications

Body: Zinc

Bowls: Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Filter Elements:

Borosilicate & Felt Glass Fibers
Grade 6 (Standard): PS724
Grade 10 (Optional): PS730

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Operation: Minimum Operating Pressure for Filter with Automatic Drain: 10 PSIG (.7 bar)

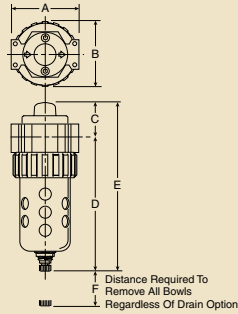
Dimensions

A	B	C	D	D**	E
2.81 (71)	2.74 (70)	1.46 (37)	5.69 (145)	5.74 (146)	7.15 (182)
E**	F				
7.20 (183)	2.25 (57)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet and 3 PSIG pressure drop with grade 6 element.

**With Automatic Float Drain



STANDARD

Pipe Ports	3/8"	1/2"	3/4"
* Flow SCFM*	26	26	26

7.2 Ounces Bowl
 Grade 6 and Grade 10 Elements
 Differential Pressure Indicator Standard

	Poly Bowl/ Bowl Guard	Metal Bowl/ Sight Gauge
<i>Manual Drain (Twist)</i>		
3/8"	F12F22E	F12F24E
1/2"	F12F32E	F12F34E
3/4"	F12F42E	F12F44E

	Poly Bowl/ Bowl Guard	Metal Bowl/ Sight Gauge
<i>Automatic Float Drain</i>		
3/8"	F12F26E	F12F28E
1/2"	F12F36E	F12F38E
3/4"	F12F46E	F12F48E

For Grade 10 Element change the 7th space from an "E" to an "H".
 Example: F12F21H.

Specifications

- Body: Zinc
- Bowls: Transparent Polycarbonate
Metal (Zinc) with Sight Gauge
- Filter Elements:
Borosilicate & Felt Glass Fibers
Grade 6 (Standard): PS824
Grade 10 (Optional): PS830

Temperature and Pressure Ratings:

Polycarbonate Bowl:
 0 to 150 PSIG (0 to 10 bar)
 32°F to 125°F (0°C to 52°C)
 (See CAUTION on page 95)

Metal Bowl:
 0 to 250 PSIG (0 to 17 bar)
 32°F to 175°F (0°C to 80°C)

Operation: Minimum Operating Pressure for Filter with Automatic Drain: 10 PSIG (.7 bar)

Dimensions

A	B	C	D	D**	E	E**	F
3.24 (82)	3.25 (83)	1.63 (41)	6.97 (177)	7.00 (178)	8.60 (218)	8.63 (219)	2.75 (70)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet and 3 PSIG pressure drop with grade 6 element.

**With Automatic Float Drain

Media Specifications (Grade 6 is .01 micron rated)

Grade	Coalescing Efficiency .3 to .6 Micron Particles	Maximum Oil Carryover ¹ PPM w/w	Pressure Drop (PSID) ² @ Rated Flow		Flow: SCFM @ 3 PSID Operating Pressure 100 PSIG
			Media Dry	Media Wet With 10-20 wt. oil	
Q5S/Q1S and H5S/H1S Series					
6	99.97%	.008	1.0	2-3	7.7 SCFM
10	95%	.85	.5	.5	13 SCFM
F15F Series					
6	99.97%	.008	1.0	2-3	10 SCFM
10	95%	.85	.5	.5	16 SCFM
F11F Series					
6	99.97%	.008	1.0	2-3	18 SCFM
10	95%	.85	.5	.5	30 SCFM
F12F Series					
6	99.97%	.008	1.0	2-3	26 SCFM
10	95%	.85	.5	.5	44 SCFM

¹Tested per ADF 400 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

Grade 6: General air coalescing applications when total removal of liquid aerosols and suspended fines is required in all pressure ranges. Protection of air gauging, air logic, modulating systems, critical air conveying, most breathing air systems, etc.

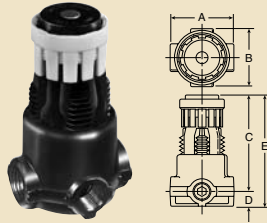
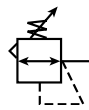
Grade 10: Precoalescer or prefilter for Grade 6 to remove gross amounts of water and oil, or tenacious aerosols which are difficult to drain. Upgrading existing particulate equipment to coalescing without increase in pressure drop.

Coalescing Applications

- Dryer protection
- Paint spray booths
- Breathing air
- Tool protection
- Valve protection
- Cylinder protection
- Compressed air system protection

FRL's & Vacuum Exhaust Filters

Air Line Regulators



MINIATURE

Pipe Ports	1/8"	1/4"
*Flow SCFM	13	15

Non-Rising Knob/Relieving Type
2-125 PSIG Range

	Regulator
1/8"	F14R013F
1/4"	F14R113F

Includes two 1/8" gauge ports and plugs.

Specifications

Body:	Zinc
Bonnet:	Plastic
Spring:	Steel

Temperature and Pressure Ratings:

32°F to +125°F (0°C to 52°C)

Maximum Primary Pressure:
250 PSIG (0 to 17 bar)

Secondary Pressure Range:
2-125 PSIG (.14 - 8.6 bar)

Do not attach to pressurized gas bottles.

Warning:

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed Maximum primary pressure rating.

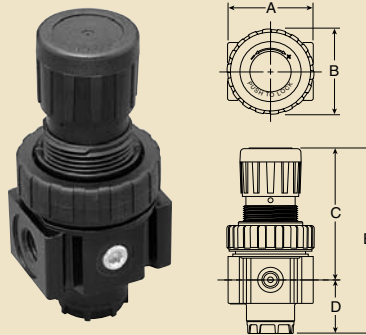
Dimensions

A	B	C	D	E
1.65 (42)	1.56 (40)	2.50 (63)	.38 (10)	2.88 (73)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

NOTE: 1.218 Dia. (31mm) hole required for panel mounting.



SUBCOMPACT

Pipe Ports	1/4"	3/8"
*Flow SCFM	30	40

Non-Rising Knob/Relieving Type
2-125 PSIG Range

	Regulator Without Gauge	Regulator With Gauge
1/4"	F05R113A	F05R118A
3/8"	F05R213A	F05R218A

Includes two 1/8" gauge ports and plugs.

Specifications

Body:	Zinc
Bonnet:	Plastic
Springs:	Steel

Temperature and Pressure Ratings:

32°F to +175°F (0°C to 80°C)

Maximum Primary Pressure:
250 PSIG (17 bar)

Do not attach to pressurized gas bottles.

Warning:

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed Maximum primary pressure rating.

Dimensions

A	B	C	D	E
2.00 (51)	2.06 (52)	3.16 (80)	1.28 (32)	4.44 (113)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

NOTE: 1.53 Dia. (39mm) hole required for panel mounting.



PILOT CONTROLLED REGULATORS

Port Size	Pilot Controlled Regulator (No Gauge)	*Flow SCFM
1/4"	F11R115P	85
3/8"	F11R215P	95
1/2"	F11R315P	95
1/2"	F12R315P	140
3/4"	F12R415P	140

Includes two 1/4" gauge ports and plugs.

Maximum Primary Pressure:

250 PSIG (17 bar)

Secondary Pressure is adjusted by a Pilot Regulator

For Pilot Regulator Use:

F14R113F

Maximum Primary Pressure:

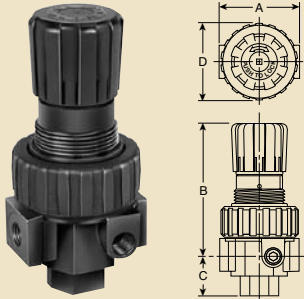
250 PSIG (17 bar)

Secondary Pressure is adjusted by a Pilot Regulator

Warning:

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed Maximum primary pressure rating.

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.



COMPACT

Pipe Ports	1/4"	3/8"	1/2"
* Flow SCFM	53	60	75

Non-Rising Knob/Relieving Type
2-125 PSIG Range

Regulator

1/4"	F06R113A
3/8"	F06R213A
1/2"	F06R313A

Includes two 1/4" gauge ports and plugs.

Specifications

Body:	Zinc
Bonnet:	Plastic
Springs:	Poppet – Stainless Steel Control – Steel

Temperature and Pressure Ratings:

32°F to 175°F (0°C to 80°C)

Maximum Primary Pressure:
250 PSIG (17 bar)

Secondary Pressure Range:
2-125 PSIG (.14 - 8.6 bar)

Warning:

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed Maximum primary pressure rating.

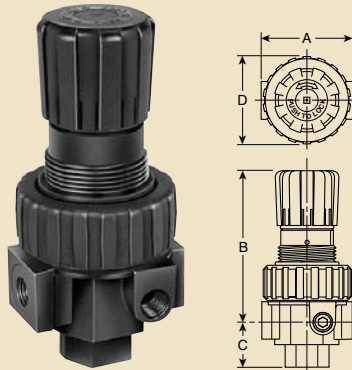
Dimensions

A	B	C	D
2.81 (71)	4.69 (119)	1.39 (35)	2.74 (70)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

NOTE: 2.00 Dia. (51mm) hole required for panel mounting. Maximum panel thickness 1/4".



STANDARD

Pipe Ports	3/8"	1/2"	3/4"
* Flow SCFM	70	90	90

Non-Rising Knob/Relieving Type
2-125 PSIG Range

Regulator

3/8"	F07R213A
1/2"	F07R313A
3/4"	F07R413A

Includes two 1/4" gauge ports and plugs.

Specifications

Body:	Zinc
Bonnet:	Plastic
Springs:	Poppet – Stainless Steel Control – Steel

Temperature and Pressure Ratings:

32°F to 175°F (0°C to 80°C)

Maximum Primary Pressure:
250 PSIG (17 bar)

Secondary Pressure Ranges:
2-125 PSIG (.14 - 8.6 bar)

Warning:

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed Maximum primary pressure rating.

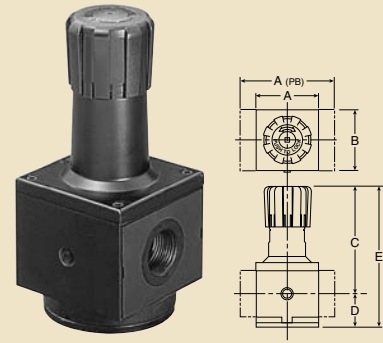
Dimensions

A	B	C	D
3.24 (82)	4.79 (122)	1.61 (41)	2.74 (70)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

NOTE: 2.00 Dia. (51mm) hole required for panel mounting. Maximum panel thickness 1/4".



HI-FLOW

Pipe Ports	3/4"	1"	1-1/2"
* Flow SCFM	200	300	300

Knob/Relieving Type
2-125 PSIG Range

Regulator

3/4"	FP3NRA96BNN
1"	FP3NRA98BNN
1-1/2"	FP3NRA9PBNN

Includes two 1/4" gauge ports and plugs.

Specifications

Body:	Aluminum
Bonnet:	Aluminum
Spring:	Steel

Temperature and Pressure Ratings:

32°F to 175°F (0°C to 80°C)

Maximum Primary Pressure:
250 PSIG (17 bar)

Secondary Pressure Ranges:
2-125 PSIG (.14 to 8.6 bar)

Warning:

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed Maximum primary pressure rating.

Dimensions

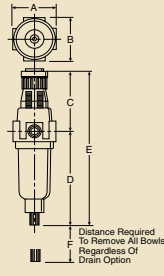
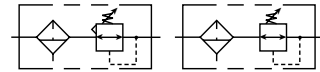
A	A ^(PB)	B	C	D	E
3.62 (92)	5.91 (150)	3.62 (92)	6.38 (162)	2.08 (53)	8.46 (215)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

** 1" Port Body with 1 1/2" Port Block.

Filter/Regulators "Piggyback"



MINIATURE

Pipe Ports	1/8"	1/4"
*Flow SCFM	16	18

1 Ounce Bowl
5 Micron Element
Relieving Type/Locking Knob
2-125 PSIG Range

	Poly Bowl	Metal Bowl Without Sight Gauge
<i>Manual Drain (Twist)</i>		
1/8"	F14E01B13F	F14E03B13F
1/4"	F14E11B13F	F14E13B13F
<i>Automatic Pulse Drain</i>		
1/8"	F14E05B13F	F14E07B13F
1/4"	F14E15B13F	F14E17B13F

Includes two 1/8" gauge ports and plugs.

Specifications

Filter/Regulator Body: Zinc

Bowls: Transparent Polycarbonate
Metal (Zinc) without Sight Gauge

Elements: 5 Micron Standard – Plastic
Element Part: PS403

Bonnet: Plastic

Spring: Steel

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl: 0 to 250 PSIG (0 to 17 bar)
32°F to 125°F (0°C to 52°C)

Secondary Pressure Ranges:

2-125 PSIG (.3 to 8.6 bar)

Do not attach to pressurized gas bottles.

Dimensions

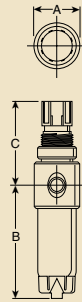
A	B	C	D	D**	E
1.62 (41)	1.58 (40)	2.42 (61)	3.79 (96)	3.84 (98)	6.21 (158)
E**	F				
8.63 (219)	1.60 (41)				

Inches (mm)

1.53" Dia. (.39mm) hole required for panel mounting.

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

**With Auto Drain



MINI COMBO COALESCER

	Grade 6		Grade 10	
Pipe Ports	1/8"	1/4"	1/8"	1/4"
*Flow SCFM	7	7	11	11

1 Ounce Bowl
Coalescing Element
Relieving Type/Locking Knob
0-100 PSIG Range

	Poly Bowl	Metal Bowl
<i>Manual Drain (Push)</i>		
1/8"	F10E0113E	F10E0313E
1/4"	F10E1113E	F10E1313E
<i>Automatic Pulse Drain</i>		
1/8"	F10E0513E	F10E0713E
1/4"	F10E1513E	F10E1713E

The "E" at the end of the part number specifies a Grade 6 element. For a Grade 10 element, change the "E" to an "H".

Includes two 1/8" gauge ports and plugs.

Specifications

Filter/Regulator Body:

Aluminum, Black Anodized.

Bowls: Transparent Polycarbonate
Metal (Aluminum, Black Anodized)

Elements:

Grade 6 Coalescing - Part: 6HR06-013 X 10
Grade 10 Coalescing - Part: 10HR06-013 X 10
(Coalescing elements are sold in Boxes of 10.)

Spring: Steel

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl: 0 to 200 PSIG (0 to 13.7 bar)
32°F to 125°F (0°C to 52°C)

Secondary Pressure Ranges:

2-125 PSIG (.3 to 8.6 bar)

Do not attach to pressurized gas bottles.

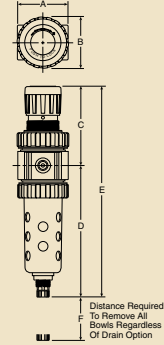
Dimensions

A	B	B**	C
1.61 (41)	3.67 (93)	4.18 (106)	3.14 (80)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

** Metal bowl



SUBCOMPACT

Pipe Ports	1/4"	3/8"
*Flow SCFM	30	40

2.0 Ounce Bowl
5 Micron Element
Removeable Non-Rising Knob
2-125 PSIG Range

	Poly Bowl/ Metal Guard	Metal Bowl/ Sight Gauge
<i>Manual Drain (Twist)</i>		
1/4"	F05E12B13A	F05E14B13A
3/8"	F05E22B13A	F05E24B13A
<i>Automatic Pulse Drain</i>		
1/4"	F05E1PB13A	F05E1TB13A
3/8"	F05E2PB13A	F05E2TB13A

Includes two 1/4" gauge ports and plugs.

Specifications

Filter/Regulator Body: Zinc

Bowls: Transparent Polycarbonate
Metal (Zinc) w/Sight Gauge

Elements: 5 Micron Standard - Plastic
Element Part: PS902P

Bonnet: Plastic

Springs: Steel

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 80°C)
(See CAUTION on page 95)

Metal Bowl: 0 to 250 PSIG (0 to 17.2 bar)
32°F to 175°F (0°C to 80°C)

Automatic Drain:

10-150 PSIG (0.7 to 10.3 bar)

Do not attach to pressurized gas bottles.

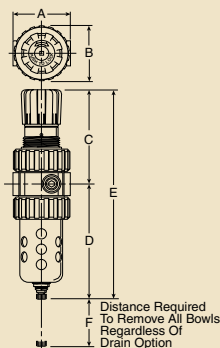
Dimensions

A	B	C	D**	E**	F
2.00 (51)	2.06 (52)	3.16 (80)	5.35 (136)	8.51 (216)	1.77 (45)

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

**With Twist Drain or Automatic Pulse Drain



COMPACT

Pipe Ports	1/4"	3/8"	1/2"
*Flow SCFM	46	55	61

4.4 Ounce Bowl
5 Micron Element
Relieving Type
2-125 PSIG Range

**Poly Bowl/
Bowl Guard** **Metal Bowl/
Sight Gauge**

<i>Manual Drain (Twist)</i>	
1/4" F06E12B13A	F06E14B13A
3/8" F06E22B13A	F06E24B13A
1/2" F06E32B13A	F06E34B13A
<i>Automatic Float Drain</i>	
1/4" F06E16B13A	F06E18B13A
3/8" F06E26B13A	F06E28B13A
1/2" F06E36B13A	F06E38B13A

STANDARD

Pipe Ports	3/8"	1/2"	3/4"
*Flow SCFM	70	90	90

7.2 Ounce Bowl
5 Micron Element
Relieving Type
2-125 PSIG Range

**Poly Bowl/
Bowl Guard** **Metal Bowl/
Sight Gauge**

<i>Manual Drain (Twist)</i>	
3/8" F07E22B13A	F07E24B13A
1/2" F07E32B13A	F07E34B13A
3/4" F07E42B13A	F07E44B13A
<i>Automatic Float Drain</i>	
3/8" F07E26B13A	F07E28B13A
1/2" F07E36B13A	F07E38B13A
3/4" F07E46B13A	F07E48B13A

Includes two 1/4" gauge ports and plugs.

Specifications

Filter/Regulator Body: Zinc

Bowls: Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Elements: 5 Micron Standard – Plastic
Element Part: PS702- Compact
PS802 - Standard

Bonnet: Plastic

Springs: Poppet – Stainless Steel
Control – Steel

Temperature and Pressure Ratings:

Polycarbonate Bowl: 0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl: 0 to 250 PSIG (0 to 17 bar)
32°F to 125°F (0°C to 52°C)

Automatic Drain: Needs 10 PSI to operate.

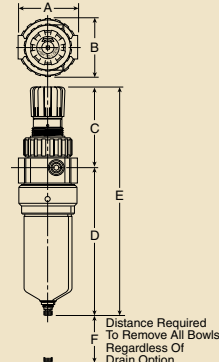
Secondary Pressure Range: 2-125 PSIG (.3 to 8.6 bar)

Dimensions

Compact	A 2.81 (71)	B 2.74 (70)	B** 4.69 (119)	C 5.69 (145)	D** 5.74 (146)	E 10.38 (264)
Standard	3.24 (82)	3.25 (83)	4.79 (122)	6.97 (177)	7.00 (178)	11.76 (299)
Compact	E** 10.43 (265)	F 2.25 (57)				
Standard	11.79 (299)	2.75 (70)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.
**With Auto Float Drain



COALESCE / REGULATOR

Pipe Ports	3/8"	1/2"	3/4"
*Flow SCFM (Standard)	36	36	36
Flow SCFM (High Flow)	55	55	55

7.2 Ounce Bowl
Coalescing element or coalescing element w/built-in prefilter
Relieving Type
2-125 PSIG Range

**Standard w/
Coalescer** **Standard w/
Coalescer
and Built-in
Prefilter** **High Flow
w/ Coalescer** **High Flow
w/ Coalescer
and Built-in
Prefilter**

<i>Manual Drain (Twist)</i>		<i>Manual Drain (Twist)</i>	
3/8" F12E23C13A	F12E23Q13A	3/8" F12E28C13A	F12E28Q13A
1/2" F12E33C13A	F12E33Q13A	1/2" F12E38C13A	F12E38Q13A
3/4" F12E43C13A	F12E43Q13A	3/4" F12E48C13A	F12E48Q13A
<i>Automatic Float Drain</i>		<i>Automatic Float Drain</i>	
3/8" F12E27C13A	F12E27Q13A	3/8" F12E29C13A	F12E29Q13A
1/2" F12E37C13A	F12E37Q13A	1/2" F12E39C13A	F12E39Q13A
3/4" F12E47C13A	F12E47Q13A	3/4" F12E49C13A	F12E49Q13A

Includes two 1/4" gauge ports and plugs.

Specifications

Filter/Regulator Body: Zinc

Bowl: Aluminum

Elements:
Standard w/coalescer: 6CU13-027 X 4
Standard w/coalescer & built in prefilter: 6QU13-027 X 4
High Flow w/coalescer: 6CU13-042 X 4
High Flow w/coalescer & built in prefilter: 6QU13-042 X 4

Bonnet: Plastic

Springs: Poppet - Stainless Steel
Control - Steel

Temperature and Pressure Ratings:

Metal Bowl: 0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Automatic Drain: Needs 10 PSI to operate.

Secondary Pressure Ranges: 2-125 PSIG (.3 to 8.6 bar)

Dimensions

A 3.24 (82)	B 3.25 (83)	C 4.79 (122)	D 8.20 (208)	D** 8.17 (208)	E 12.99 (330)
E** 12.96 (329)	F 3.29 (84)				

Inches (mm)

2.00" Dia. (51mm) hole required for panel mounting.

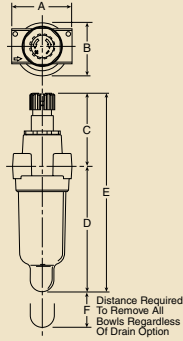
* SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

**With Twist Drain or Auto Float Drain

**Do not attach
to pressurized
gas bottles.**

FRL's & Vacuum
Exhaust Filters

Air Line Micro-Mist Lubricators



MINIATURE

Pipe Ports 1/4"
 * Flow SCFM 13
 1 Ounce Bowl

	Poly Bowl/ No Drain	Metal Bowl/ Manual Drain
1/4"	F04L10G	F04L13G

Specifications

Body: Zinc

Bowls: Transparent Polycarbonate
 Metal (Zinc) without Sight Gauge

Sight Dome: Polycarbonate

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
 32°F to 125°F (0°C to 52°C)
 (See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
 32°F to 175°F (0°C to 80°C)

Suggested Lubricant:

Parker F442P Oil

Petroleum based oil of 100 to 200 SSU viscosity at 100°F and an aniline point greater than 200°F. (DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

Lubricator Oil

1 Gallon F442002

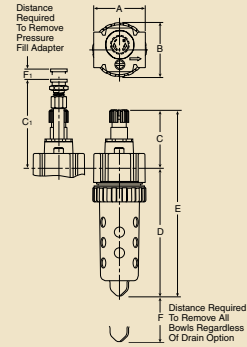
Dimensions

A	B	C	D	D**	E
1.73 (44)	1.56 (40)	2.16 (55)	3.64 (92)	3.78 (96)	5.80 (147)
E**	F				
5.94 (151)	1.60 (41)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Twist Drain



SUBCOMPACT

Pipe Ports 1/4" 3/8"
 * Flow SCFM 40 40
 2.0 Ounce Bowl
 5 Micron Element
 Removeable Non-Rising Knob

	Poly Bowl/ Metal Guard/ No Drain	Metal Bowl/ Sight Gauge/ Twist Drain
1/4"	F15L12N	F15L14N
3/8"	F15L22N	F15L24N

Specifications

Body: Zinc

Bowls: Transparent Polycarbonate
 Metal (Zinc) with Sight Gauge

Sight Dome: Polycarbonate

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
 32°F to 125°F (0°C to 52°C)
 (See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
 32°F to 175°F (0°C to 80°C)

Suggested Lubricant:

Parker F442P Oil

Petroleum based oil of 100 to 200 SSU viscosity at 100°F and an aniline point greater than 200°F. (DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

Lubricator Oil

1 Gallon F442002

Dimensions

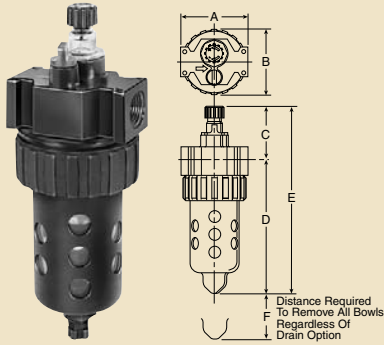
A	B	C	C ₁	D	D**
2.00 (51)	2.06 (52)	2.26 (57)	3.35 (85)	5.12 (130)	5.35 (136)
E	E**	F	F ₁		
7.38 (187)	7.61 (193)	1.77 (45)	.39 (10)		

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Twist Drain

Mist Lubricator



COMPACT

Pipe Ports	1/4"	3/8"	1/2"
* Flow SCFM	40	60	90
2.6 Ounce Bowl			

	Poly Bowl/ Metal Guard/ No Drain	Metal Bowl/ Sight Gauge/ Twist Drain
1/4"	F16L12B	F16L14B
3/8"	F16L22B	F16L24B
1/2"	F16L32B	F16L34B

Specifications

Body: Zinc

Bowls: Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Sight Dome: Polycarbonate

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Suggested Lubricant:

Parker F442 Oil

Petroleum based oil of 100 to 200 SSU viscosity at 100°F and an aniline point greater than 200°F. (DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

Lubricator Oil

1 Gallon F442002P

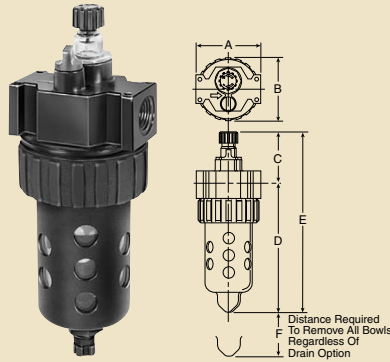
Dimensions

A	B	C	D	D**	E
2.81 (71)	2.74 (70)	2.24 (57)	5.58 (142)	5.69 (145)	7.82 (199)
E**	F				
7.93 (201)	2.25 (57)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Twist Drain



STANDARD

Pipe Ports	3/8"	1/2"	3/4"
* Flow SCFM	60	90	90
4.9 Ounce Bowl			

	Poly Bowl/ Metal Guard/ No Drain	Metal Bowl/ Sight Gauge/ Twist Drain
3/8"	F17L22B	F17L24B
1/2"	F17L32B	F17L34B
3/4"	F17L42B	F17L44B

Specifications

Body: Zinc

Bowls: Transparent Polycarbonate
Metal (Zinc) with Sight Gauge

Sight Dome: Polycarbonate

Temperature and Pressure Ratings:

Polycarbonate Bowl:

0 to 150 PSIG (0 to 10 bar)
32°F to 125°F (0°C to 52°C)
(See CAUTION on page 95)

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Suggested Lubricant:

Parker F442 Oil

Petroleum based oil of 100 to 200 SSU viscosity at 100°F and an aniline point greater than 200°F. (DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

Lubricator Oil

1 Gallon F442002P

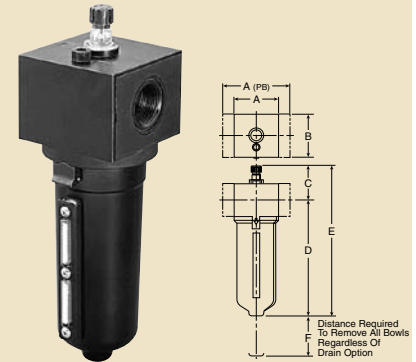
Dimensions

A	B	C	D	D**	E
3.24 (82)	3.25 (83)	2.41 (61)	6.86 (174)	6.95 (177)	9.27 (235)
E**	F				
9.19 (233)	2.75 (70)				

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

**With Twist Drain



HI-FLOW (Mist Style)

Pipe Ports	3/4"	1"	1-1/2"
* Flow SCFM	240	250	260
18 Ounce Bowl			

	Metal Bowl/ Sight Gauge
<i>Manual Drain (Twist)</i>	
3/4"	FP3NLA96LSN
1"	FP3NLA98LSN
1-1/2"***	FP3NLA9PLSN

Specifications

Body: Aluminum

Bowl: Metal (Aluminum) with
Sight Gauge

Sight Dome: Polycarbonate

Temperature and Pressure Ratings:

Metal Bowl:

0 to 250 PSIG (0 to 17 bar)
32°F to 175°F (0°C to 80°C)

Suggested Lubricant:

Parker F442 Oil

Petroleum based oil of 100 to 200 SSU viscosity at 100°F and an aniline point greater than 200°F. (DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)

Lubricator Oil

1 Gallon F442002P

Dimensions

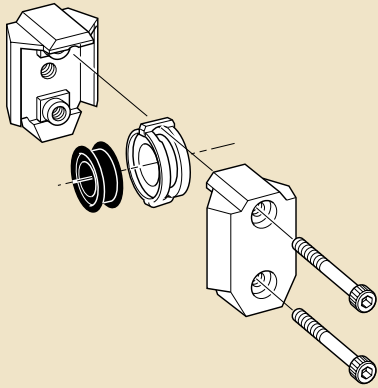
A	A(PB)	B	C	D	E	F
3.62 (92)	5.91 (150)	3.62 (92)	2.81 (71)	9.00 (229)	11.81 (300)	4.92 (125)

Inches (mm)

* SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

** 1" Port Body with 1 1/2" Port Block.

Modular Accessories

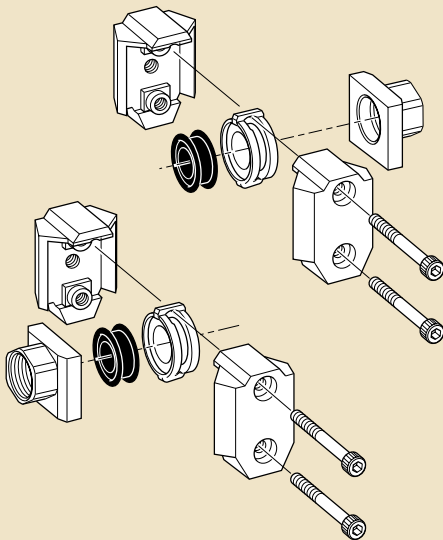


Body Connectors allow you to easily assemble and disassemble Modular Combinations.

Each Kit includes one set.

Body Connectors are required whenever you assemble two or more pieces together.

Series	Part Number
F05	PS954P
F06	PS754P
F07	PS854P

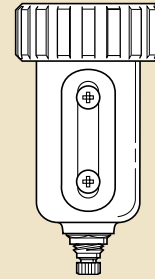


Port Block Connectors allow you to make threaded port connections to Modular units and are available in various port sizes to match your system requirements.

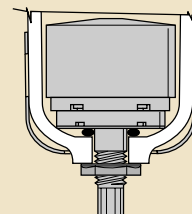
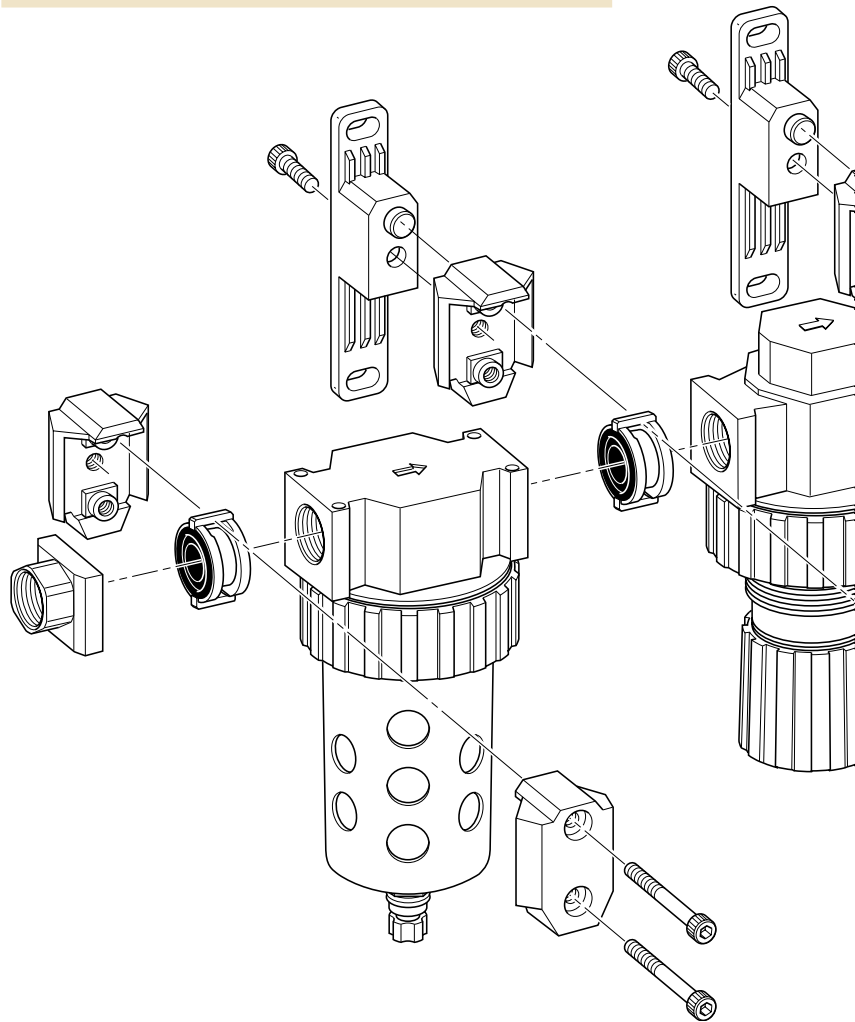
Each kit includes all the necessary pieces to make two port connections.

Port Size	F05	F06	F07
1/8"	PS95000P	N/A	N/A
1/4"	PS95001P	PS750P	PS850P
3/8"	PS95002P	PS751P	PS851P
1/2"	N/A	PS752P*	PS852P
3/4"	N/A	N/A	PS853P

* Use 1/4" or 3/8" ported bodies



The flexible collar design allows for easy service and conversions. Metal bowls with sight gauge have 360° adjustment capability to allow viewing from any angle.

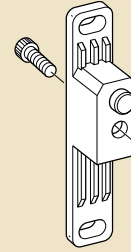


Auto Drains allow unattended removal of liquids while providing a positive shutoff against leakage.



Pressure Gauges allow you to accurately monitor your system pressure. Two pressure ranges are available to better match you system requirements.

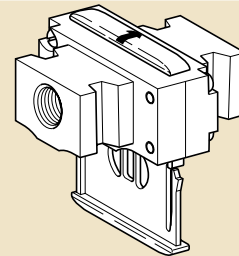
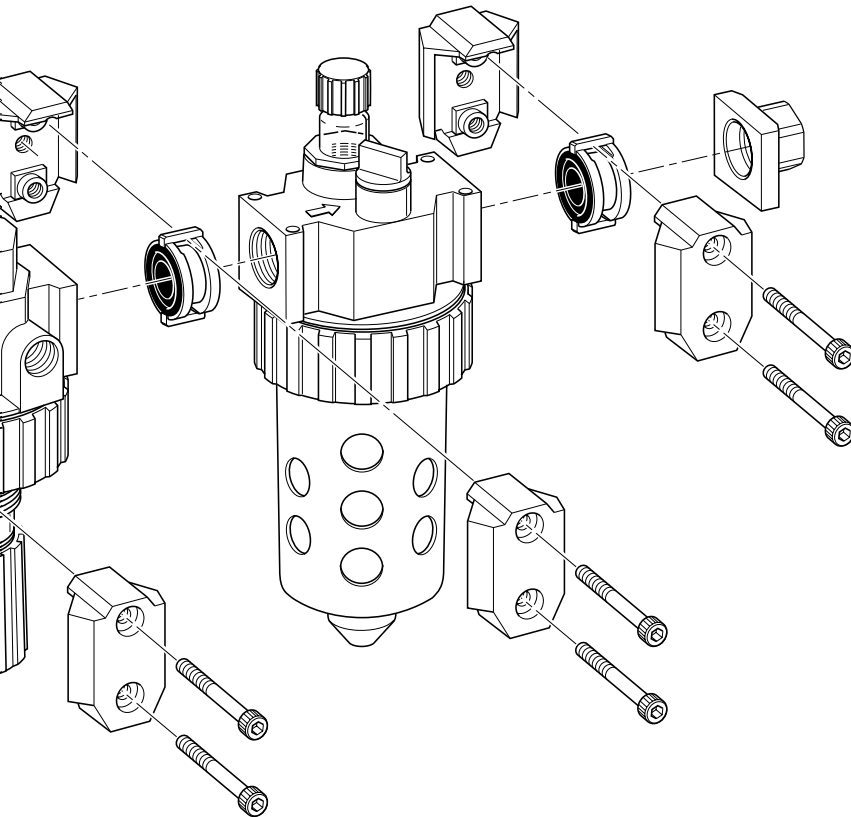
Range	Series	Part Number
0-60 PSIG	F05	K4520N14060
	F06/F07	K4520N14060
0-160 PSIG	F05	K4520N14160
	F06/F07	K4520N14160



Wall Mounting Kits are available for mounting your Modular Assemblies and can be assembled and used with any standard body connector set. Since Modular Combinations are always identical in size, you can predrill for wall mounting on your equipment.

Kit includes 1 assembly.

Series	Part Number
F05	PS955P
F06 and F07	PS755P

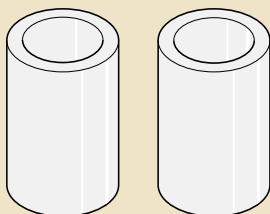


Patent Pending

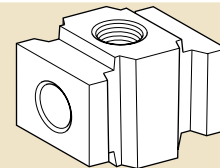
Lockout Valves provide positive shutoff and Exhaust capability to isolate Modular units so they can be easily removed from the line and can be locked in a closed position. Center position can be used as a slow start.

NOTE: Body Connectors are not supplied with Lockout Valves.

Series	Porting	Part Number
F05	1/4"	PS95601P
F06	3/8"	PS756P
F07	1/2"	PS856P



High efficiency depth and coalescing filtration for the most demanding applications. Available in .01, 1 and 5 micron sizes.

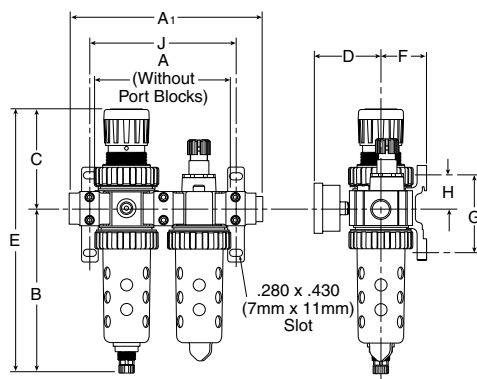


A Modular Manifold Block can be used between any two Modular units to give additional outlet ports. The Manifold Block provides 2 additional outlets in 3/8" and 1/2" sizes. Any standard pipe plug can be used to close off unused ports. **NOTE:** Body Connectors are not supplied with Manifold Blocks.

Series	Porting	Part Number
F05	1/4"	PS95701P
F06	3/8"	PS757
F07	1/2"	PS857

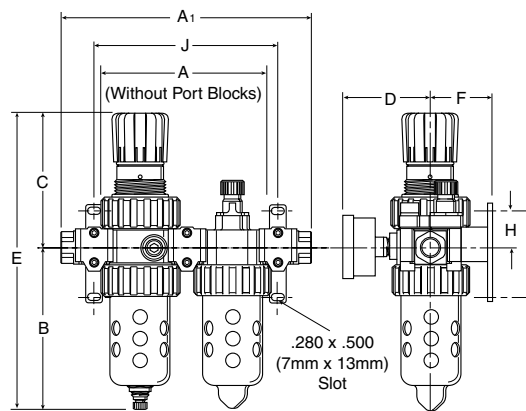
FRL's & Vacuum
Exhaust Filters

Modular Combinations – 2-Unit Dimensions



F15H

Mounting Brackets and Gauge Not Included



F16H / F17H

2-Unit Modular Combo:

Series	A	A1	B	C	D	E	F	G	H	J
F15H	4.33 (110)	6.38 (162)	5.35 (136)	3.15 (80)	2.05 (52)	8.50 (216)	1.45 (37)	2.60 (66)	1.14 (29)	4.72 (120)
F16H	6.10 (155)	9.04 (230)	5.69 (145)	4.69 (119)	3.18 (81)	10.38 (264)	2.00 (51)	3.58 (91)	1.40 (36)	6.65 (169)
F17H	7.00 (178)	10.28 (261)	6.97 (177)	4.79 (122)	3.44 (87)	11.76 (299)	2.18 (55)	3.58 (91)	1.40 (36)	7.51 (191)

Inches (mm) Note: All dimensions nominal

Polycarbonate Units

Filters – Poly Bowl/Bowl Guard/Manual Drain
 Regulators – 125 PSIG Spring/No Gauge
 Lubricators – Micro-Mist Style/Poly Bowl/Bowl Guard/No Drain

Metal Bowl Units

Filters – Metal Bowl/Sight Gauge/Manual Drain
 Regulators – 125 PSIG Spring/No Gauge
 Lubricators – Micro-Mist Style/Metal Bowl/Sight Gauge/Twist Drain

Modular Assembly Without Port Blocks

Series / Port Size	2-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15H12B13A2N F15H22B13A2N
F06 Series 1/4" NPT 3/8" NPT	F16H12B13A2B F16H22B13A2B
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17H22B13A2B F17H32B13A2B F17H42B13A2B

Modular Assembly Without Port Blocks

Series / Port Size	2-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15H14B13A4N F15H24B13A4N
F06 Series 1/4" NPT 3/8" NPT	F16H14B13A4B F16H24B13A4B
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17H24B13A4B F17H34B13A4B F17H44B13A4B

Modular Assembly With Port Blocks

Series / Port Size	2-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15H12B13A2N*G F15H22B13A2N*G
F06 Series 1/4" NPT 3/8" NPT 1/2" NPT	F16H12B13A2B*G F16H22B13A2B*G F16H32B13A2B*G
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17H22B13A2B*G F17H32B13A2B*G F17H42B13A2B*G

Modular Assembly With Port Blocks

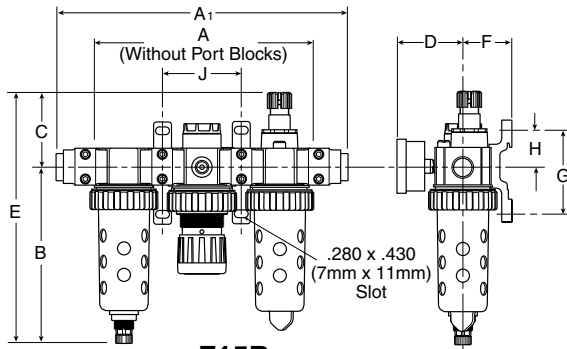
Series / Port Size	2-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15H14B13A4N*G F15H24B13A4N*G
F06 Series 1/4" NPT 3/8" NPT 1/2" NPT	F16H14B13A4B*G F16H24B13A4B*G F16H34B13A4B*G
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17H24B13A4B*G F17H34B13A4B*G F17H44B13A4B*G

Options For Modular Combinations and Close Nipped Combinations

1. For poly units with automatic drain and bowl guard, change the 6th space from a "2" to an "6". Example: F16H16B13A2B
2. For metal bowl units with automatic drain and sight gauge, change the 6th space from a "4" to an "8". Example: F16H18B13A4B

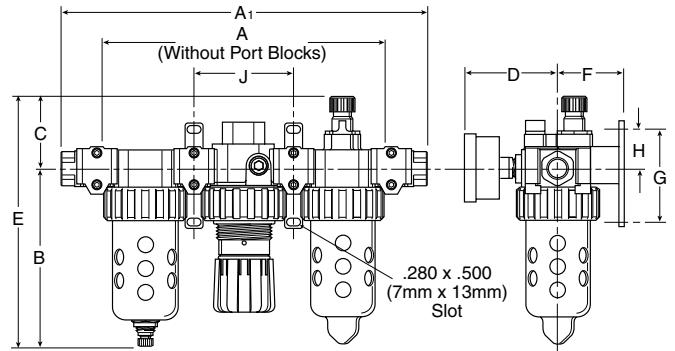
FRL's & Vacuum Exhaust Filters

Modular Combinations – 3-Unit Dimensions



F15B

Mounting Brackets and Gauge Not Included



F16B/ F17B

3-Unit Modular Combo:

Series	A	A1	B	C	D	E	F	G	H	J
F15B	6.70 (170)	8.72 (222)	5.35 (136)	2.24 (57)	2.05 (52)	7.59 (193)	1.45 (37)	2.60 (66)	1.14 (29)	2.35 (60)
F16B / F21B	9.46 (240)	12.39 (315)	5.69 (145)	2.24 (57)	3.18 (81)	7.82 (199)	2.00 (51)	3.58 (91)	1.40 (36)	3.33 (85)
F17B / F22B	10.75 (273)	14.03 (356)	6.97 (177)	2.41 (61)	3.44 (87)	9.27 (235)	2.18 (55)	3.58 (91)	1.40 (36)	3.76 (95)

Inches (mm) Note: All dimensions nominal

Polycarbonate Units

Filters – Poly Bowl/Bowl Guard/Manual Drain
 Regulators – 125 PSIG Spring/No Gauge
 Lubricators – Micro-Mist Style/Poly Bowl/Bowl Guard/No Drain

Modular Assembly Without Port Blocks

Series / Port Size	3-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15B12B13A2N F15B22B13A2N
F06 Series 1/4" NPT 3/8" NPT	F16B12B13A2B F16B22B13A2B
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17B22B13A2B F17B32B13A2B F17B42B13A2B
F11 Series 1/4" NPT 3/8" NPT	F21B12E13A2B F21B22E13A2B
F12 Series 3/8" NPT 1/2" NPT 3/4" NPT	F22B22E13A2B F22B32E13A2B F22B42E13A2B

Modular Assembly With Port Blocks

Series / Port Size	3-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15B12B13A2N*G F15B22B13A2N*G
F06 Series 1/4" NPT 3/8" NPT 1/2" NPT	F16B12B13A2B*G F16B22B13A2B*G F16B32B13A2B*G
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17B22B13A2B*G F17B32B13A2B*G F17B42B13A2B*G
F11 Series 1/4" NPT 3/8" NPT	F21B12E13A2B*G F21B22E13A2B*G
F12 Series 3/8" NPT 1/2" NPT 3/4" NPT	F22B22E13A2B*G F22B32E13A2B*G F22B42E13A2B*G

Metal Bowl Units

Filters – Metal Bowl/Sight Gauge/Manual Drain
 Regulators – 125 PSIG Spring/No Gauge
 Lubricators – Micro-Mist Style/Metal Bowl/Sight Gauge/Twist Drain
 *Mist style lubricator

Modular Assembly Without Port Blocks

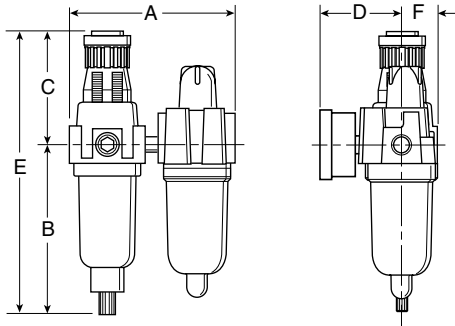
Series / Port Size	3-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15B14B13A4N F15B24B13A4N
F06 Series 1/4" NPT 3/8" NPT	F16B14B13A4B F16B24B13A4B
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17B24B13A4B F17B34B13A4B F17B44B13A4B
*FP3N Series 3/4" NPT 1" NPT	FP3NCB96SEMNNLNA FP3NCB98SEMNNLNA
F11 Series 1/4" NPT 3/8" NPT	F21B14E13A4B F21B24E13A4B
F12 Series 3/8" NPT 1/2" NPT 3/4" NPT	F22B24E13A4B F22B34E13A4B F22B44E13A4B

Modular Assembly With Port Blocks

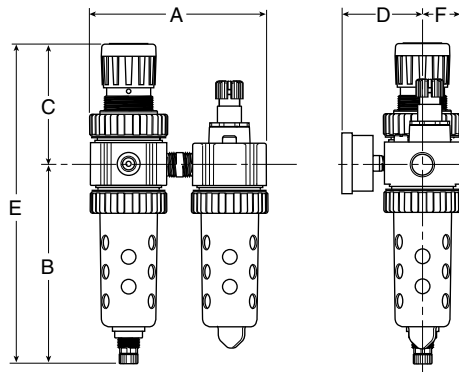
Series / Port Size	3-Piece Assembly
F05 Series 1/4" NPT 3/8" NPT	F15B14B13A4N*G F15B24B13A4N*G
F06 Series 1/4" NPT 3/8" NPT 1/2" NPT	F16B14B13A4B*G F16B24B13A4B*G F16B34B13A4B*G
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17B24B13A4B*G F17B34B13A4B*G F17B44B13A4B*G
*FP3N Series 3/4" NPT 1" NPT 1-1/2" NPT	FP3NCB9HSEMNNLNA FP3NCB9MSEMNNLNA FP3NCB9PSEMNNLNA
F11 Series 1/4" NPT 3/8" NPT	F21B14E13A4B*G F21B24E13A4B*G
F12 Series 3/8" NPT 1/2" NPT 3/4" NPT	F22B24E13A4B*G F22B34E13A4B*G F22B44E13A4B*G

FRLs & Vacuum Exhaust Filters

Close Nippled Combinations – 2-Unit Dimensions



F14G



F15G / F16G / F17G

2-Unit Close Nipped:

Series	A	B	C	D	E	F
F14G	3.75	3.79	2.42	2.04	6.21	0.79
	(95)	(96)	(61)	(52)	(158)	(20)
F15G	4.49	5.35	3.16	2.05	8.50	1.03
	(114)	(136)	(80)	(52)	(216)	(26)
F16G/F21G	6.13	5.69	4.69	3.18	10.38	1.37
	(156)	(145)	(119)	(81)	(264)	(35)
F17G/F22G	6.99	6.97	4.79	3.44	11.76	1.63
	(178)	(177)	(122)	(87)	(299)	(41)

Inches (mm) Note: All dimensions nominal

Mounting Brackets and Gauge Not Included

FRL's & Vacuum Exhaust Filters

Polycarbonate Units

Filters – Poly Bowl/Bowl Guard/Manual Drain
 Regulators – 125 PSIG Spring/No Gauge
 Lubricators – Micro-Mist Style/Poly Bowl/Bowl Guard/No Drain

Series / Port Size	2-Piece Assembly
F14 Series 1/4" NPT	F14G11B13F0G
NOTE: Bowl guards not available on F14 Series.	
F05 Series 1/4" NPT 3/8" NPT	F15G12B13A2N
	F15G22B13A2N
F06 Series 1/4" NPT 3/8" NPT 1/2" NPT	F16G12B13A2B
	F16G22B13A2B
	F16G32B13A2B
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17G22B13A2B
	F17G32B13A2B
	F17G42B13A2B

Metal Bowl Units

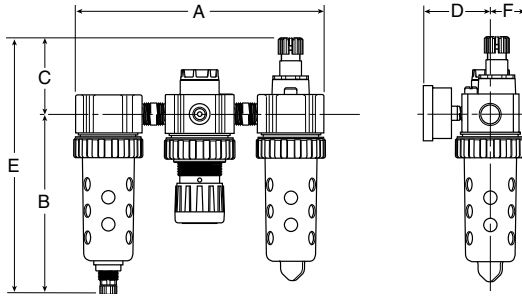
Filters – Metal Bowl/Sight Gauge/Manual Drain
 Regulators – 125 PSIG Spring/No Gauge
 Lubricators – Micro-Mist Style/Metal Bowl/Sight Gauge/Twist Drain

Series / Port Size	2-Piece Assembly
F14 Series 1/4" NPT	F14G13B13F3G
NOTE: Sight gauges not available on F14 Series.	
F05 Series 1/4" NPT 3/8" NPT	F15G14B13A4N
	F15G24B13A4N
F06 Series 1/4" NPT 3/8" NPT 1/2" NPT	F16G14B13A4B
	F16G24B13A4B
	F16G34B13A4B
F07 Series 3/8" NPT 1/2" NPT 3/4" NPT	F17G24B13A4B
	F17G34B13A4B
	F17G44B13A4B

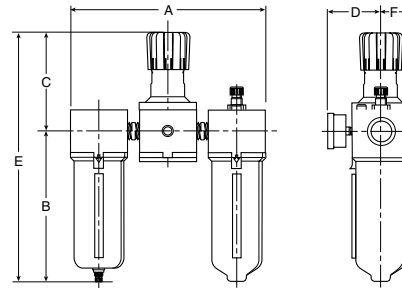
Options For Modular Combinations and Close Nipped Combinations

1. For poly units with automatic drain and bowl guard, change the 6th space from a "2" to an "6". *Example:* F16G16B13A2B
2. For metal bowl units with automatic drain and sight gauge, change the 6th space from a "4" to an "8". *Example:* F16G18B13A4B

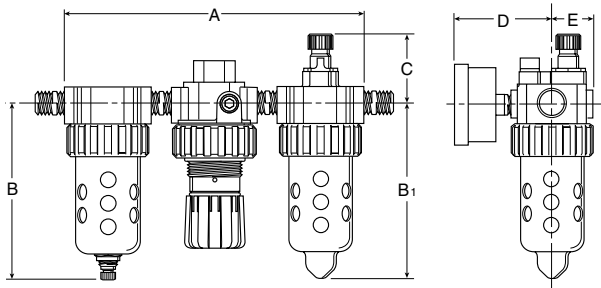
Close Nippled Combinations – 3-Unit Dimensions



F14A/F15A



FP3N



F16A / F17A

3-Unit Close Nippled:

Series	A	B	C	D	E	F
F14A	5.77 (147)	3.82 (97)	2.16 (55)	2.04 (52)	5.98 (152)	0.79 (20)
F15A	7.00 (178)	5.35 (136)	2.24 (57)	2.05 (52)	7.59 (193)	1.03 (26)
F16A/F21A	9.45 (240)	5.69 (145)	2.24 (57)	3.18 (81)	7.93 (201)	1.37 (35)
F17A/F22A	10.74 (273)	6.97 (177)	2.41 (61)	3.44 (87)	9.38 (238)	1.63 (41)
FP3N	11.89 (302)	9.57 (243)	6.38 (162)	3.56 (90)	15.95 (405)	1.81 (46)

Inches (mm) Note: All dimensions nominal

FRLs & Vacuum Exhaust Filters

Polycarbonate Units

Filters – Poly Bowl/Bowl Guard/Manual Drain

Regulators – 125 PSIG Spring/No Gauge

Lubricators – Micro-Mist Style/Poly Bowl/Bowl Guard/No Drain

Series / Port Size	3-Piece Assembly
F14 Series 1/4" NPT	F14A11B13F0G
NOTE: Bowl guards not available on F14 Series	
F05 Series 1/4" NPT	F15A12B13A2N
3/8" NPT	F15A22B13A2N
F06 Series 1/4" NPT	F16A12B13A2B
3/8" NPT	F16A22B13A2B
1/2" NPT	F16A32B13A2B
F07 Series 3/8" NPT	F17A22B13A2B
1/2" NPT	F17A32B13A2B
3/4" NPT	F17A42B13A2B
F11 Series 1/4" NPT	F21A12B13A2B
3/8" NPT	F21A22B13A2B
F12 Series 3/8" NPT	F22A22B13A2B
1/2" NPT	F22A32E13A2B
3/4" NPT	F22A42E13A2B

Metal Bowl Units

Filters – Metal Bowl/Sight Gauge/Manual Drain

Regulators – 125 PSIG Spring/No Gauge

Lubricators – Micro-Mist Style/Metal Bowl/Sight Gauge/Twist Drain

Series / Port Size	3-Piece Assembly
F14 Series 1/4" NPT	F14A13B13F3G
NOTE: Sight gauges not available on F14 Series.	
F05 Series 1/4" NPT	F15A14B13A4N
3/8" NPT	F15A24B13A4N
F06 Series 1/4" NPT	F16A14B13A4B
3/8" NPT	F16A24B13A4B
1/2" NPT	F16A34B13A4B
F07 Series 3/8" NPT	F17A24B13A4B
1/2" NPT	F17A34B13A4B
3/4" NPT	F17A44B13A4B
FP3N Series 3/4" NPT	FP3N3B96SEMNNLNA
1" NPT	FP3N3B98SEMNNLNA
1-1/2" NPT	FP3N3B9PSEMNNLNA
F11 Series 1/4" NPT	F21A14E13A4B
3/8" NPT	F21A24E13A4B
F12 Series 3/8" NPT	F22A24E13A4B
1/2" NPT	F22A34E13A4B
3/4" NPT	F22A44E13A4B

Options For Modular Combinations and Close Nippled Combinations

1. For poly units with automatic drain and bowl guard, change the 6th space from a "2" to an "6". Example: F16G16B13A2B
2. For metal bowl units with automatic drain and sight gauge, change the 6th space from a "4" to an "8". Example: F16G18B13A4B

Product Accessories & Kits

FILTERS	Model	F14E/F14F	F05E/F05F	F06E	F07E	F06F	F07F	FP3NF
Drain Kit – Automatic Drain		—	PS998P	PS506P	PS506P	PS506P	PS506P	PS506P
Bowl Guard Kit		—	PS905P	PS705P	PS805P	PS705P	PS805P	—
Bowl Kits –								
Poly Bowl – Twist Drain	PS404P		PS932P	PS732P	PS832P	PS732P	PS832P	—
Metal Bowl – Sight Gauge/Twist Drain	PS447BP		PS935P	PS735P	PS835P	PS735P	PS835P	FP3NKA00BSM
Filter Element Kits – 40 Micron	PS401		PS901P	PS701	PS801	PS701	PS801	FP3NKA00ESG
5 Micron	PS403		PS902P	PS702	PS802	PS702	PS802	FP3NKA00ESE
Mounting Bracket Kit	PS417BP*	PS943P	PS707P*	PS807P*	PS743P	PS843P	PS843P	FP3NKA00MW

COALESCING FILTERS	Model	Q*S/H*S	F11F	F12F	F15F
Filter Element Kits – Grade 6		6HM06-013	PS724	PS824	PS924P
Grade 10		10HM06-013	PS730	PS830	PS930P
Mounting Bracket Kit		—	PS743P	PS843P	PS943P

REGULATORS	Model	F14R / F14E	F05R / F05E	F06R / F06E	F11R	F07R / F07E	F12R	FP3NR
Gauges – 60 PSIG		K4515N18060	K4520N14060	K4520N14060	K4520N14060	K4520N14060	K4520N14060	K4520N14060
160 PSIG		K4515N18160	K4520N14160	K4520N14160	K4520N14160	K4520N14160	K4520N14160	K4520N14160
Mounting Bracket Kit		PS417BP*	PS943P*	PS707P*	PS707P*	PS807P*	PS807P*	FP3NKA00MW
Panel Mount Nut – Plastic		P78652	PS964P†	P04082	P04082	P04082	P04082	P04082
Springs – 2-125 PSIG Range		P01173	P04425	P04063	—	P04063	—	C10A1308
Tamperproof Kit		—	—	PS737P	—	PS737P	—	—

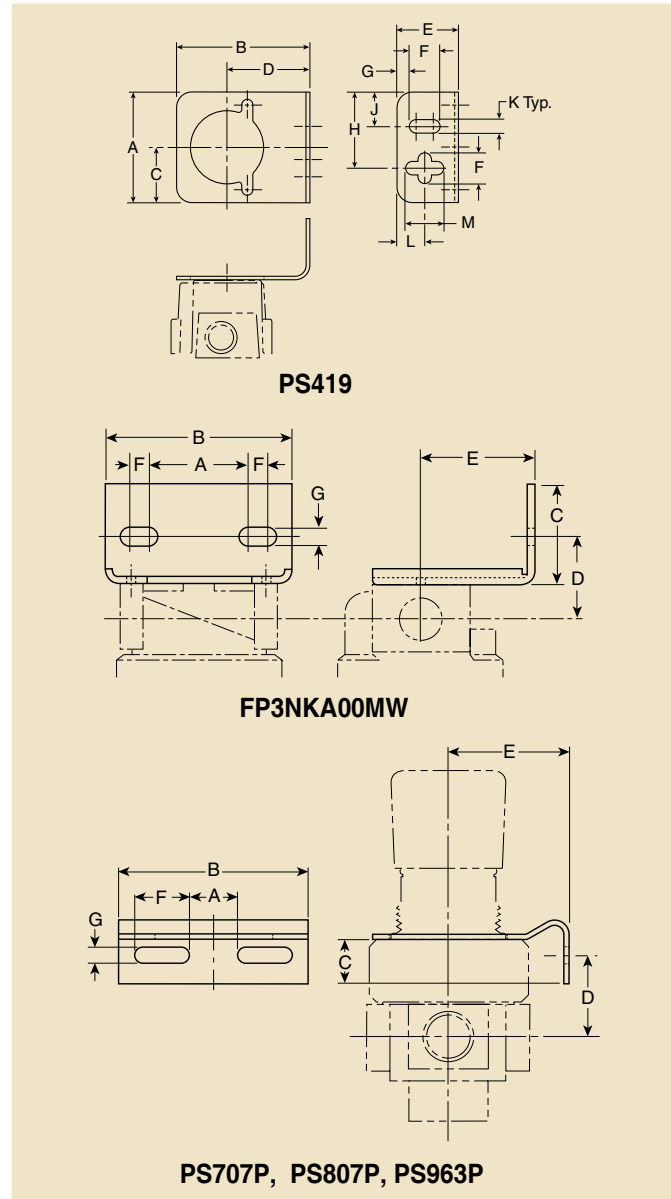
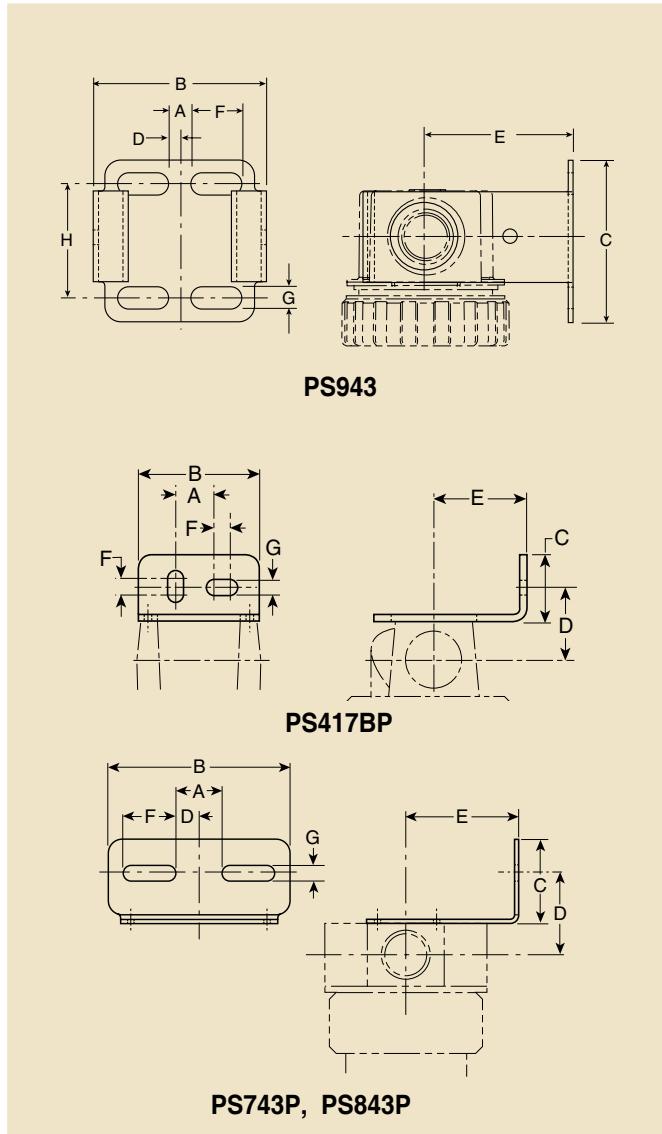
LUBRICATOR	Model	F04L	F15L	F16L	F17L	FP3NL
Bowl Guard Kit		—	PS905P	PS705P	PS805P	—
Bowl Kits — Poly Bowl – no drain		PS421P	PS946P	PS746P	PS846P	—
Metal Bowl – Sight Gauge/Twist Drain		PS447BP	PS929P	PS729P	PS829P	FP3NKA00BSM
Mounting Bracket Kit		PS419	PS943P	PS743P	PS843P	FP3NKA00MW
Pressure Fill Adapter Kit		—	PS916P	PS716P	PS716P	FP3NKA00PK

MODULAR ACCESSORIES	Model	F05/F15	F06/F16/F21	F07/F17/F22
Port Block Connectors - 1/8"		PS95000P	—	—
1/4"		PS95001P	PS750P	PS850P
3/8"		PS95002P	PS751P	PS851P
1/2"		—	PS752P	PS852P
3/4"		—	—	PS853P
Modular Body Connectors		PS954P	PS754P	PS854P
Wall Mounting Kits		PS955P	PS755P	PS755P
Lockout Valves - Locking Type		PS95701P	PS756P	PS856P
Manifold Block - 1/4"		PS95701P	—	—
3/8"		—	PS757	—
1/2"		—	—	PS857

* Panel Mount Nut Included.

† Panel Mount Nut – Metal

Mounting Bracket Kits



FRLs & Vacuum Exhaust Filters

Dimensions

	A	B	C	D	E	F	G	H	J	K	L	M	Kit
inches	0.54	1.80	1.00	1.50	1.35	0.28	0.22	-	-	-	-	-	PS417BP (F14F, F14E, F14R)
mm	14	46	25	38	34	7	6	-	-	-	-	-	
inches	0.84	3.25	1.50	1.44	2.00	0.94	0.28	-	-	-	-	-	PS743P (F06F, F11F, F16L)
mm	21	83	38	37	51	24	7	-	-	-	-	-	
inches	1.00	3.94	1.57	1.68	2.19	1.25	0.28	-	-	-	-	-	PS843P (F07F, F12F, F17L)
mm	25	100	40	43	56	32	7	-	-	-	-	-	
inches	6.22	8.19	2.75	1.97	2.36	1.77	1.30	-	-	-	-	-	FP3NKA00MW (FP3NF, FP3NR, FP3NL)
mm	158	208	70	50	80	45	33	-	-	-	-	-	
inches	0.84	3.26	0.77	1.46	2.00	0.94	0.28	-	-	-	-	-	PS707P (F06R, F06E, F11R)
mm	21	83	20	37	51	24	7	-	-	-	-	-	
inches	1.00	3.94	0.65	1.48	2.19	1.25	0.28	-	-	-	-	-	PS807P (F07R, F07E, F12R, F12E)
mm	25	100	17	43	56	32	7	-	-	-	-	-	
inches	0.84	2.59	0.49	1.02	1.85	0.61	.28	-	-	-	-	-	PS963P (F05R, F05E)
mm	21	66	13	26	47	15	7	-	-	-	-	-	
inches	0.28	2.12	2.00	0.14	1.85	0.63	0.28	-	-	-	-	-	PS943P (F05E, F05F, F05R, F15F, F15L)
mm	7	54	51	4	47	16	7	-	-	-	-	-	
inches	1.80	2.17	0.90	1.35	1.00	0.50	0.20	1.24	0.56	0.22	0.45	0.62	PS419 (F04L)
mm	46	55	23	34	25	13	5	31	14	6	11	16	

Air Line Accessories

Timed Drain Valve (TV-25/TV-50)



Features

- 300 (20 bar) PSIG with 700 (48 bar) PSIG available
- Compact design
- Temperature: 210°F (99°C)

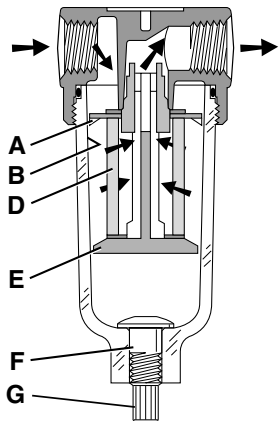
Metal Sump Drain (MS-50)



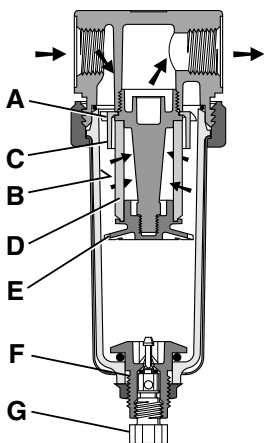
Features

- Auto-drain ported 1/8" to pipe away liquid
- Drain has manual override
- Easily serviced without tools
- 10-250 PSIG range
- Compact size

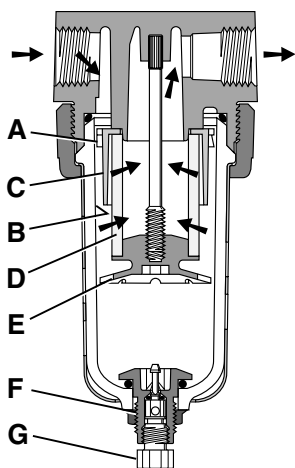
How Air Line Filters Work



Miniature



F05F



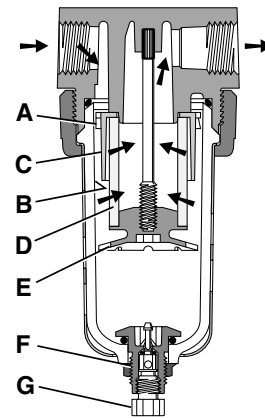
F06F

First Stage Filtration:

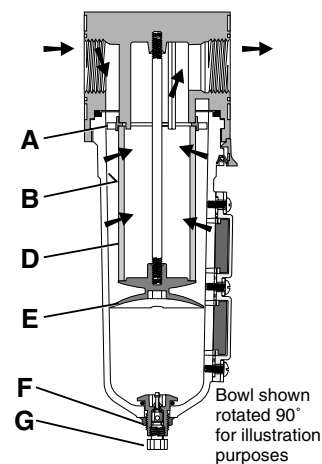
Air enters at inlet port and flows through detector plate (A) which causes a swirling action. Liquids and coarse particles are forced to the bowl interior wall (B) by the centrifugal action of the swirling air. They then carry down the bowl wall by the force of the gravity. Shroud (C) assures that the proper swirling action occurs and that the air does not pass directly through the filter element (D) until the large particles and liquids are removed. The baffle (E) separates the lower portion of the bowl into a "quiet zone" where the removed liquids and particles collect, unaffected by the swirling air, and are therefore not re-entrained into the flowing air.

Second Stage Filtration:

After liquids and large particles are removed in the first stage of filtration, the air flows through element (D) where smaller particles are filtered out and retained. The filtered air then passes downstream. Collected liquids and particles in the "quiet zone" should be drained before their level reaches a height where they would be re-entrained in the flowing air. This can be accomplished by the twist drain (F) which is actuated by twisting knob (G) counterclockwise.



F07F

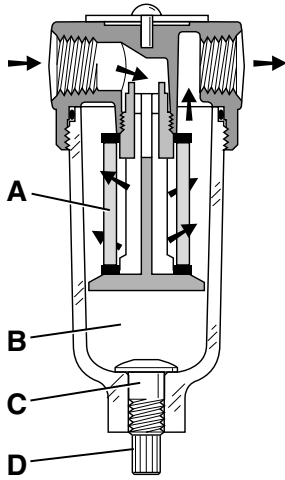


FP3NF

FRLs & Vacuum
Exhaust Filters

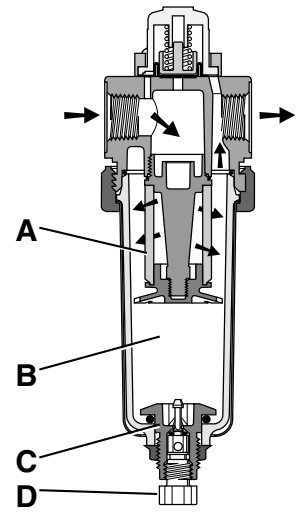
How Coalescing Filters Work

FRL's & Vacuum Exhaust Filters



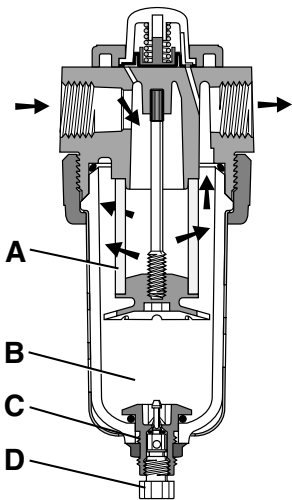
Miniature

The contaminated air enters the element interior and is forced through a thick membrane of borosilicate glass fibers coated with epoxy (A). Flow then passes through an outer structural support and, at this stage, has removed up to 99.97% + of the sub-micron particles evident in the contaminated air. These tiny droplets coalesce together and are blotted from the filter surface by the drain and release layers of non-woven glass felt and polyester. The drops now begin a gravitational passage to the filter sump (B) where they can be manually or automatically drained.



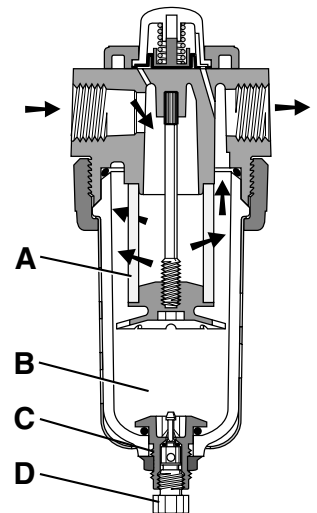
F15F

The clean, filtered air now passes through the outer screen plastic net and out into the pneumatic system. The Air Line Coalescing Filter removes liquid aerosols and sub-micron particulate matter.



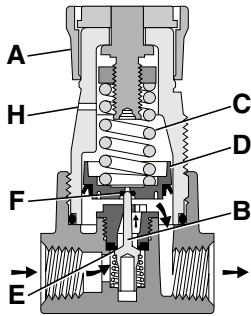
F11F

Collected liquids and particles in the "quiet zone" should be drained before their level reaches a height where they would be re-entrained in the flowing air. This can be accomplished by the manual drain (C) which is actuated by twisting knob (D) counterclockwise.

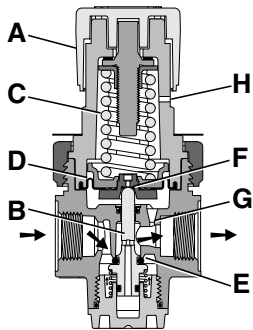


F12F

How Air Line Regulators Work



Miniature

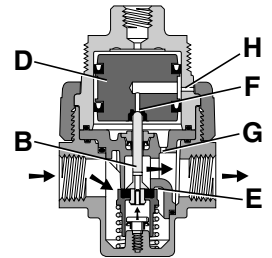


**F05R, F06R,
F07R**

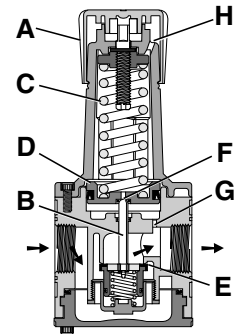
With the adjusting knob (A) turned fully counterclockwise (no spring load), and pressure supplied to the regulator inlet port, the valve poppet assembly (B) is closed. Turning the adjustment knob clockwise applies a load to control spring (C). This load causes the piston/diaphragm (D) and the valve poppet assembly (B) to move downward allowing flow across the seat area (E) created between the poppet assembly and the seat. Pressure in the downstream line is sensed below the piston/diaphragm (D) and offsets the load of spring (C). As downstream pressure rises, poppet assembly (B) and control piston (C) move upward until the area (E) is closed and the load of the spring (C) and pressure under piston/diaphragm (D) are in balance. A reduced outlet pressure has now been obtained, depending on spring load. Creating a demand downstream, such as opening a valve, results in a reduced pressure under the piston/diaphragm (D). The load of control spring (C) now causes the poppet assembly to move downward opening seat area (E) allowing air to flow to meet the downstream demand. The flow of downstream air is metered by the amount of opening (E).

During low flow requirements, the amount of opening at the seat (E) is small, while at high flows it is large. The downstream pressure signal, which regulates the amount of opening, required an adjustment over this range, in order to attempt a constant output. This adjustment is the orifice (G), which is sized and located in such a manner as to provide a compensation to the downstream pressure signal transmitted to the piston. This effect is called aspiration and its effect is to maintain downstream pressure nearly constant over a wide range of flow demands.

Should downstream pressure exceed the desired regulated pressure, the excess pressure will cause the piston/diaphragm (D) to move upward against control spring (C), open vent hole (F), and vent the excess pressure to atmosphere through the hole in the bonnet (H). (This occurs in the relieving type regulator only.)



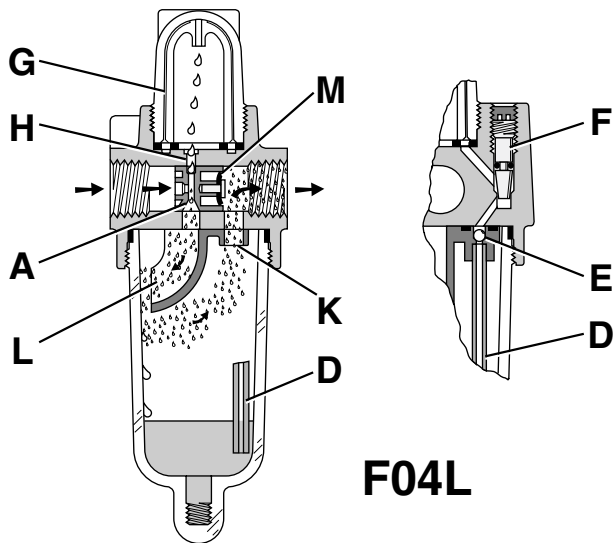
F11R, F12R



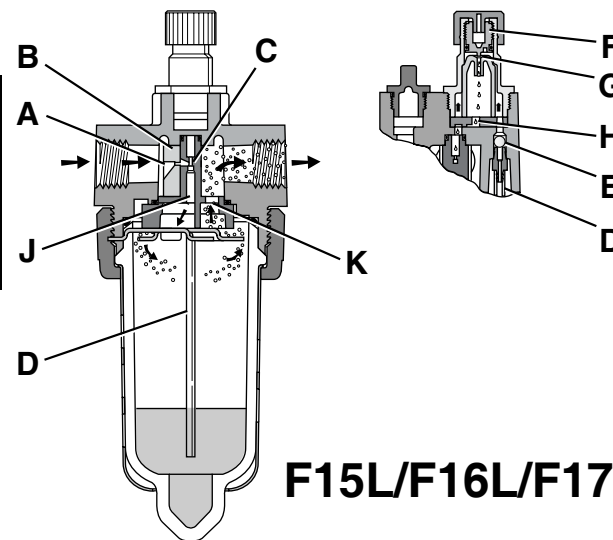
FP3NR

FRLs & Vacuum
Exhaust Filters

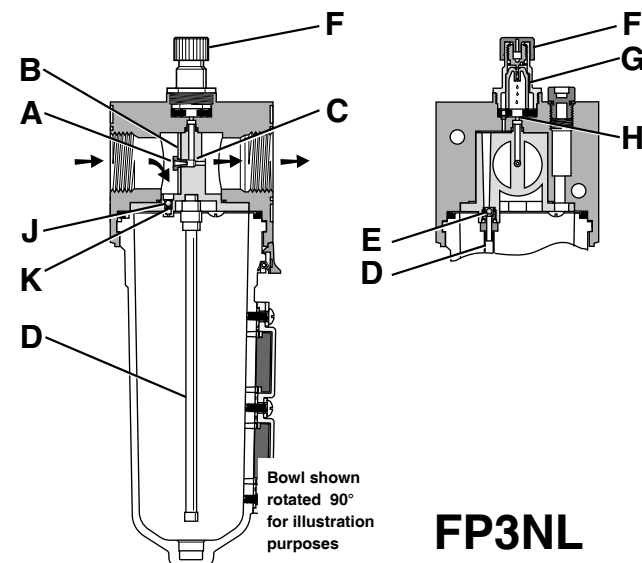
How Air Line Lubricators Work



F04L



F15L/F16L/F17L



FP3NL

Air flowing through the unit goes through two paths. At low air flow rates, the majority of the air flows through venturi section (A). The rest of the air slightly deflects and flows by the flapper (B), restrictor disc (M) on F04L. The velocity of the air flowing through venturi section (A) creates a pressure drop at throat section (C). This lower pressures allows oil to be forced from the reservoir through the pickup tube (D) past the check ball (E), to the dome assembly where the rate of oil flow is controlled by metering screw (F). Rotation of the metering screw (F) in the counterclockwise direction increases the oil flow rate; in the clockwise direction decreases the oil flow rate.

Oil then flows through the clearance between inner and outer sight domes (G) where drops are formed and drip into the nozzle tube (H). Here it is then broken into fine particles as it expands into the low pressure venturi. From there, the atomized oil flows through the precision orifice (J). On the F04L, it flows through the curved scoop (L) and is deflected against the interior wall of the reservoir. This action causes the larger particles of oil to fall back into the reservoir where it can recirculate through the system. The remaining mist of fine particles (5 micron or smaller – about 3% of which passed through the sight dome) is then carried through the opening (K) where it joins and mixes with air that bypassed the flapper (B), (M). As air flow rate increases, the flapper (B), (M) deflects, allowing most of the inlet air to bypass the venturi section (A). However, a proportion of the inlet air passes through the venturi, assuring that oil delivery increases linearly with increased air flow rate. This proportioning method is advantageous at low inlet air flows because the venturi design remains efficient.

The check ball (E) prevents reverse oil flow down the pickup tube when air flow stops. Thus, oil delivery can resume immediately when air flow restarts. Micro-mist Lubricators can only be filled when the air supply is shut off.

FRL's & Vacuum Exhaust Filters



Stainless Steel Air Preparation Units

Filters, Regulators and Lubricators

Bulletin 1300 - 775/USA



FRL's & Vacuum
Exhaust Filters

Finite®



1/4" and 1/2" Stainless Steel Filters, Regulators, Lubricators: Performance you can count on!

Parker Hannifin has specifically designed a line of 316 Stainless Steel Filter, Regulator, Lubricator (FRL) components that meet NACE specifications and handle the toughest and most corrosive environments. The regulator diaphragm to valve area ratio is large to assure precise pressure regulation and high flow capacity.

Of the major American FRL manufacturers, Parker provides the most comprehensive line

of miniature Stainless Steel components and has installed stainless steel FRLs worldwide. We use the latest techniques in design and manufacturing to meet today's stringent standards. You are assured of outstanding performance and long life from the stainless steel FRLs offered by Finite, thanks to our high quality materials, tough quality control checks and decades of experience in manufacturing FRLs.



Stainless Steel FRLs in this pharmaceutical plant are used for valve protection and lubrication at point of use applications.

Applications

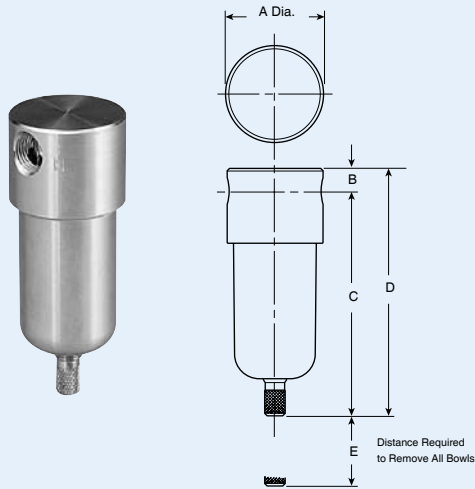
- Marine and Offshore Facilities
- Chemical and Petroleum Plants
- Process Industries
- Pollution Control
- Instrumentation
- Medical
- Pulp and Paper Products
- Research Labs
- Wastewater Treatment



This oil refinery uses stainless steel filters, regulators and lubricators for protecting instrumentation and pneumatic equipment in corrosive environments.

Air Line Miniature Filter

FF504-02DGSS



Dimensions

A	B	C	D	E
1.56	.31	3.69	4.00	1.58
40mm	8mm	94mm	102mm	40mm

Specifications:

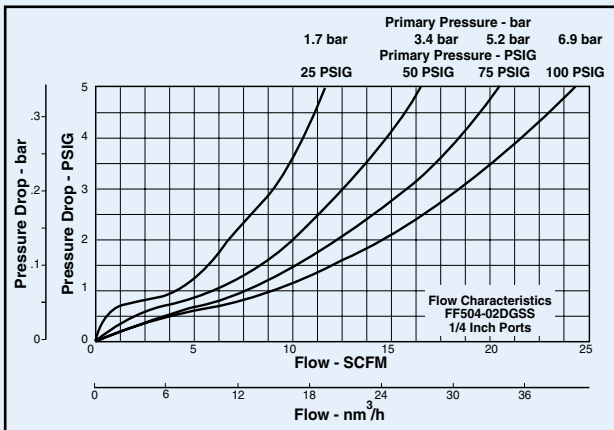
- Flow: 23 SCFM
- Port Size: 1/4" NPT
- Drain: Manual
- Filter Rating: 5 micron
- Maximum Pressure: 300 PSIG (20.7 bar)
- Maximum Temperature: 180°F (82°C)
- Weight: 0.6 lbs
- Bowl Capacity: 1 oz.

Materials of Construction:

- Body: 316 Stainless Steel
- Bowl: 316 Stainless Steel
- Seals: Fluorocarbon
- Element: Polyethylene
- Retainer: Acetal
- Drain: 316 Stainless Steel

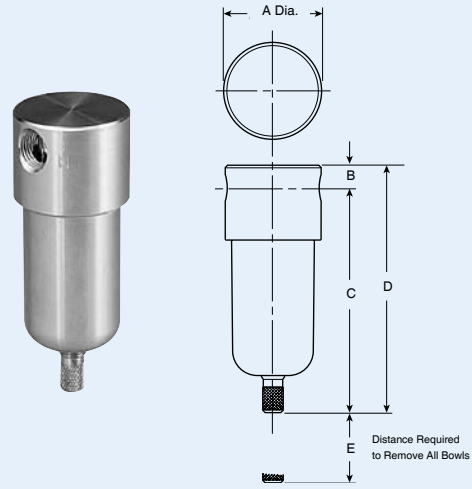
Replacement Element: EK504VY

Performance Data:



Coalescing Miniature Filter

FF501-02DHSS



Dimensions

A	B	C	D	E
1.56	.31	3.69	4.00	1.58
40mm	8mm	94mm	102mm	40mm

Specifications:

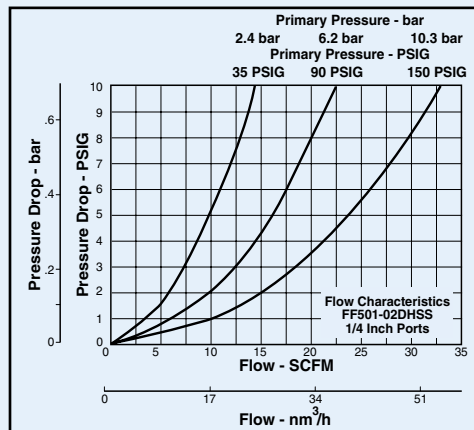
- Flow: 8 SCFM @ 100 PSIG inlet with 1.5 PSIG drop
- Port Size: 1/4" NPT
- Drain: Manual
- Coalescing Efficiency: 99.97%
- Maximum Pressure: 300 PSIG (20.7 bar)
- Maximum Temperature: 180°F (82°C)
- Weight: 0.6 lbs
- Bowl Capacity: 1 oz.

Materials of Construction:

- Body: 316 Stainless Steel
- Bowl: 316 Stainless Steel
- Seals: Fluorocarbon
- Element: Borosilicate Glass Fibers
- End Caps: Nylon
- Drain: 316 Stainless Steel

Replacement Element: 6HM06-013 X 10

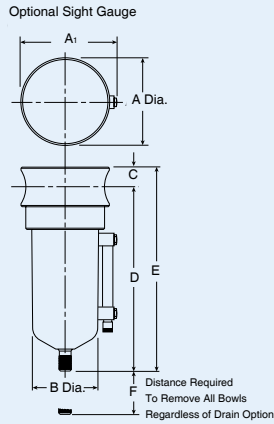
Performance Data:



FRL's & Vacuum
Exhaust Filters

Air Line Filter

FF10-04DGSS



Dimensions						
A	A ₁	B	C	D	E	F
2.38	2.50	1.75	.56	5.00	5.56	2.12
60mm	64mm	44mm	14mm	127mm	141mm	54mm

Specifications:

Flow: 72 SCFM
 Port Size: 1/2" NPT
 Drain: Manual
 Filter Rating: 5 micron
 Maximum Pressure: 300 PSIG (20.7 bar)
 Maximum Temperature: 180°F (82°C)
 Weight: 1.88 lbs.
 Bowl Capacity: 4 oz.

Materials of Construction:

Body: 316 Stainless Steel
 Bowl: 316 Stainless Steel
 Seals: Fluorocarbon
 Vane Plate: Acetal
 Element: Polyethylene
 Retainer: Acetal
 Drain: 316 Stainless Steel

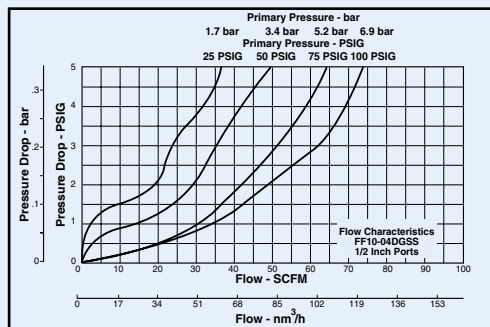
Replacement Element: EK55G

Available Options:

Part Number	Auto Drain	Sight Glass
FF10-04DGSS		
FF10-04WGSS		✓
FF10-04DGRSS	✓	
FF10-04WGRSS	✓	✓

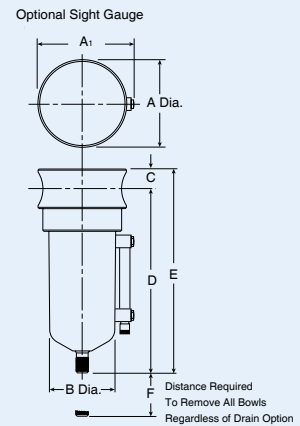
Note: The Max pressure with the auto drain is 175 PSIG and with the sight glass is 250 PSIG.

Performance Data:



Coalescing Filter

FF11-04DJSS



Dimensions						
A	A ₁	B	C	D	E	F
2.38	2.50	1.75	.56	5.00	5.56	2.12
60mm	64mm	44mm	14mm	127mm	141mm	54mm

Specifications:

Flow: 16.5 SCFM @ 100 PSIG inlet with 1.5 PSIG drop
 Port Size: 1/2" NPT
 Drain: Manual
 Coalescing Efficiency: 99.97%
 Maximum Pressure: 300 PSIG (20.7 bar)
 Maximum Temperature: 180°F (82°C)
 Weight: 1.88 lbs
 Bowl Capacity: 4 oz.

Materials of Construction:

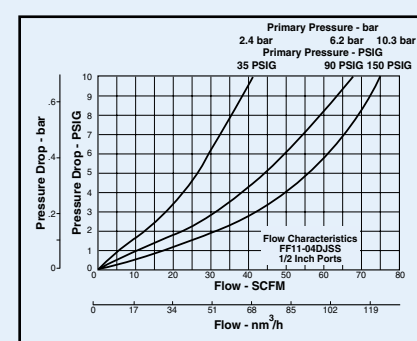
Body: 316 Stainless Steel
 Bowl: 316 Stainless Steel
 Seals: Fluorocarbon
 Element: Borosilicate Glass Fiber
 End Caps: Nylon
 Drain: 316 Stainless Steel

Replacement Element: 6HM07-019 X 10

Available Options:

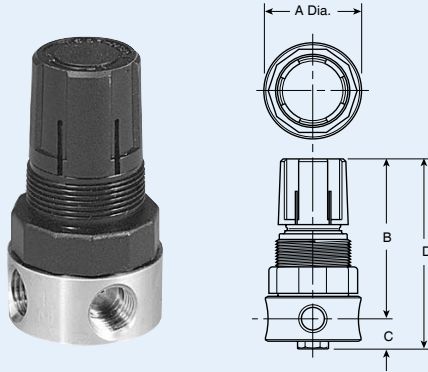
Part Number	Auto Drain	Sight Glass
FF11-04DJSS		
FF11-04WJSS		✓
FF11-04DJRSS	✓	
FF11-04WJRSS	✓	✓

Performance Data:



Note: The Max pressure with the auto drain is 175 PSIG and with the sight glass is 250 PSIG.

Miniature Regulator
 FR364-02CSS



Specifications:

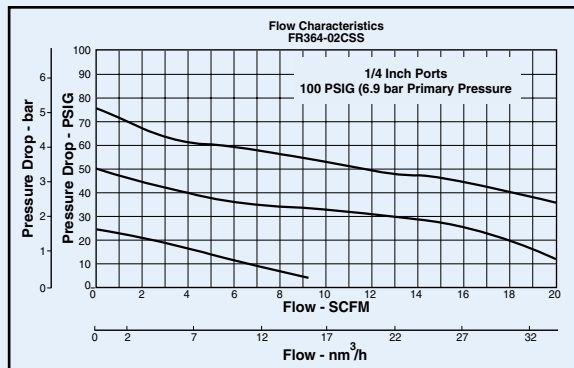
Flow: 16 SCFM
 Port Size: 1/4" NPT
 Gauge Port: 1/4" NPT
 Outlet Pressure Range: 0-125 PSIG (0-8.5 bar) std.
 Max Inlet Pressure: 300 PSIG (20.7 bar)
 Temperature Range: 40-150°F (4.4-65.6°C)
 Weight: 0.5 lbs
 Operation: Fluorocarbon Diaphragm
 Relieving: Standard (non-relieving optional)

Dimensions			
A	B	C	D
1.56	2.56	.50	3.06
40mm	65mm	13mm	78mm

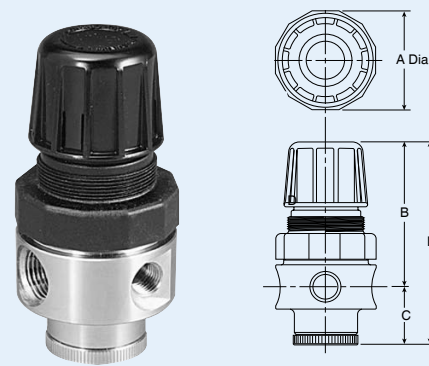
Materials of Construction:

Body: 316 Stainless Steel
 Spring Cage: Celcon
 Inner Valve: 316 Stainless Steel
 Bottom Plug: 316 Stainless Steel
 Seals: Fluorocarbon
 Adjustment Mechanism:
 316 Stainless Steel Spring and
 316 Stainless Steel Adjusting Screw

Performance Data:



Regulator
 FR10-04CSS



Specifications:

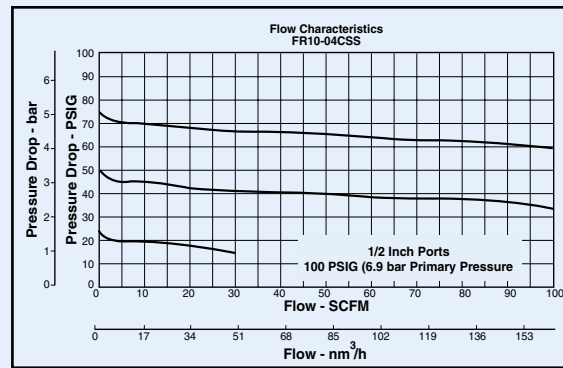
Flow: 80 SCFM
 Port Size: 1/2" NPT
 Gauge port: 1/4" NPT
 Outlet Pressure Range: 0-125 PSIG (0-8.5 bar) std.
 Max Inlet Pressure: 300 PSIG (20.7 bar)
 Temperature Range: 40-150°F (4.4-65.6°C)
 Weight: 1.79 lbs
 Operation: Fluorocarbon Diaphragm
 Relieving: Standard (non-relieving optional)

Dimensions			
A	B	C	D
2.34	3.59	1.38	4.97
60mm	91mm	35mm	126mm

Materials of Construction:

Body: 316 Stainless Steel
 Spring Cage: Glass-filled Celcon
 Inner Valve: 316 Stainless Steel
 Bottom Plug: 316 Stainless Steel
 Seals: Fluorocarbon
 Adjustment Mechanism:
 316 Stainless Steel Spring and
 316 Stainless Steel Adjusting Screw

Performance Data:



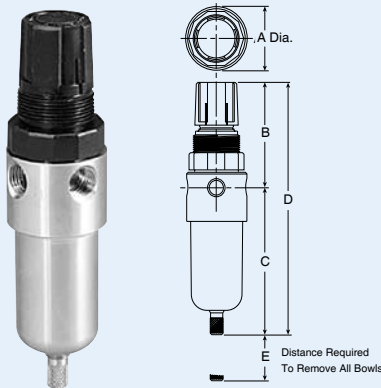
FRLs & Vacuum
 Exhaust Filters

"Piggyback" Filter/Regulators

Air Preparation Units Stainless Steel FRL

Miniature "Piggyback" Filter/Regulator

FB548-02DGCSS



Dimensions

A	B	C	D	E
1.56	2.63	3.63	6.25	1.58
40mm	67mm	92mm	159mm	40mm

Specifications:

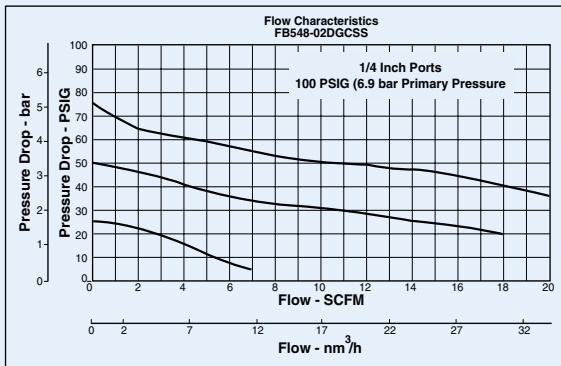
- Flow: 20 SCFM
- Port Size: 1/4" NPT
- Gauge Port: 1/4" NPT
- Drain: Manual
- Filter Rating: 5 micron
- Outlet Pressure Range: 0-125 PSIG (0-8.5 bar) std.
- Max Inlet Pressure: 300 PSIG (20.7 bar)
- Temperature Range: 40-150°F (4.4-65.6°C)
- Weight: 0.6 lbs
- Operation: Fluorocarbon Diaphragm
- Relieving: Standard (non-relieving optional)
- Bowl Capacity: 1 oz.

Materials of Construction:

- Body: 316 Stainless Steel
- Bowl: 316 Stainless Steel
- Spring Cage: Celcon
- Inner Valve: 316 Stainless Steel
- Seals: Fluorocarbon
- Adjustment Mechanism: 316 Stainless Steel Spring and 316 Stainless Steel Adjusting Screw

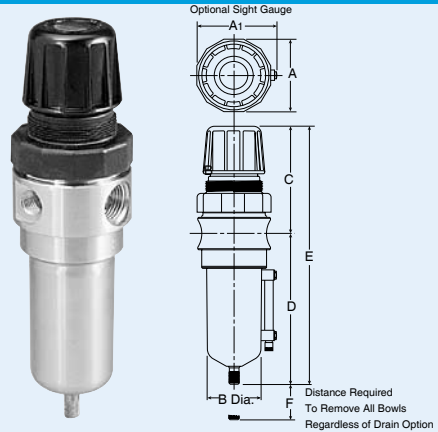
Replacement Element: EK504VY

Performance Data:



"Piggyback" Filter/Regulator

FB11-04DGCSS



Dimensions

A	A ₁	B	C	D	E	F
2.34	2.50	1.75	3.59	5.00	8.59	2.12
60mm	64mm	44mm	91mm	127mm	218mm	54mm

Specifications:

- Flow: 72 SCFM
- Port Size: 1/2" NPT
- Gauge Port: 1/4" NPT
- Drain: Manual (automatic optional)
- Filter Rating: 5 micron
- Outlet Pressure Range: 0-125 PSIG (0-8.5 bar) std.
- Max Inlet Pressure: 300 PSIG (20.7 bar)
- Temperature Range: 40-150°F (4.4-65.6°C)
- Weight: 2.42 lbs
- Operation: Fluorocarbon Diaphragm
- Relieving: Standard (non-relieving optional)
- Bowl capacity: 4 oz.

Materials of Construction:

- Body: 316 Stainless Steel
- Bowl: 316 Stainless Steel
- Spring Cage: Glass-filled Celcon
- Inner Valve: 316 Stainless Steel
- Seals: Fluorocarbon
- Adjustment Mechanism: 316 Stainless Steel Spring and 316 Stainless Steel Adjusting Screw

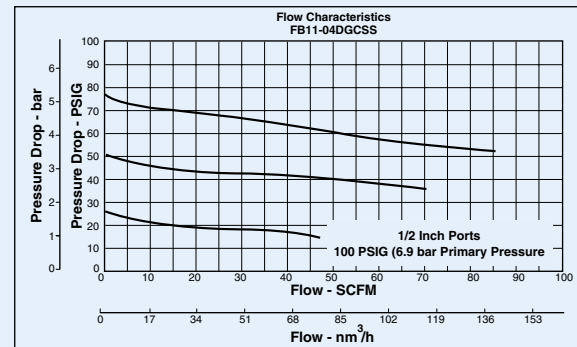
Replacement Element: EK55G

Note: The Max pressure with the auto drain is 175 PSIG and with the sight glass is 250 PSIG.

Available Options:

Part Number	Auto Drain	Sight Glass
FB11-04DGCSS		
FB11-04WGCSS		✓
FB11-04DGCSS	✓	
FF11-04WGCSS	✓	✓

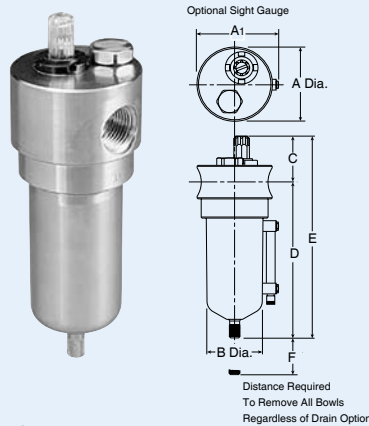
Performance Data:



FRL's & Vacuum Exhaust Filters

Lubricator

FL10-04DSS



Dimensions

A	A ₁	B	C	D	E	F
2.38	2.50	1.75	1.81	5.00	6.81	3.50
60mm	64mm	44mm	46mm	127mm	173mm	89mm

Specifications:

- Flow: 105 SCFM
- Port Size: 1/2" NPT
- Maximum Pressure: 300 PSIG (20.7 bar)
- Temperature Range: 40-150°F (4.4-65.6°C)
- Weight: 2.3 lbs
- Bowl Capacity: 4 oz.

Materials of Construction:

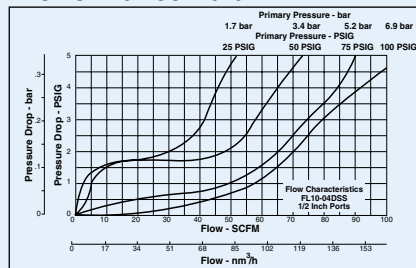
- Body: 316 Stainless Steel
- Bowl: 316 Stainless Steel
- Dip Tube: 316 Stainless Steel
- Fill Plug: 316 Stainless Steel
- Sight Dome/Drip Spout: Polyurethane
- Seals: Fluorocarbon
- Retainer: Nylon
- By-pass Assembly: Polyurethane and 316 Stainless Steel

Available Options:

Part Number	Sight Glass
FL10-04DSS	
FL10-04WSS	✓

Note: The Max pressure with a sight glass is 250 PSIG.

Performance Data:



Internal Auto Drain

FSA602MDSS

For installation in Filters
FF10, FF11 and FB11



Materials of Construction:

- 316 Stainless Steel
- Elgiloy
- Fluorocarbon
- Buna-N
- 304 Stainless Steel
- Acetal
- Max. Pressure: 15-175 PSIG
- For use with H₂S (sour gas), contact factory at 1-800-521-4357

Pressure Gauges



K4515N14160SS

(Recommended for FR364/FB548)

Specifications:

- Dial Size: 1 1/2"
- Connection: 1/4" center back

Materials of Construction:

- Bourdon Tube: 316 Stainless Steel
- Case: 304 Stainless Steel
- Face: Glass
- Connection: 316 Stainless Steel

K4520N14160SS

(Recommended for FR10/FB11)

Note: This pressure gauge does not meet NACE specs.

Specifications:

- Dial Size: 2"
- Connection: 1/4" center back

Materials of Construction:

- Bourdon Tube: 316 Stainless Steel
- Case: 304 Stainless Steel
- Face: Glass
- Connection: 316 Stainless Steel

Accessories and Kits

Description **Part Number**

Steel Panel Mount Nut

FR364/FB548	R05X51SS
FR10/FB11	R10X51SS

Regulator Repair Kits

FR10/FB11 - Relieving	RKR10YSS
FR10/FB11 - Nonrelieving	RKR10KYSS
FR364 - Relieving	RKR364YSS
FR364 - Nonrelieving	RK364KYSS
FB548 - Relieving	RK549YSS
FB548 - Nonrelieving	RK548YSS

Filter Element Kits

FF504 Particulate(5 micron)	EK504VY
FF501 Coalescing(.3 micron)	6HM06-013 X 10
FF10 Particulate(5 micron)	EK55G
FF11 Coalescing(.3 micron)	6HM07-019 X 10
FF548 Particulate(5 micron)	EK504VY
FB11 Particulate(5 micron)	EKF10VY

Cage Kits

FR364/FB548	CKR364YSS
FR10/FB11	CKR10YSS

FRLs & Vacuum Exhaust Filters

Notes:

FRL's & Vacuum
Exhaust Filters



www.finitefilter.com

finitefilter@parker.com



Eliminates unwanted oil mist and reduces exhaust noise

from pneumatic valves, cylinders and air motors.

Features:

- 99.97% oil removal efficiencies
- 25 dBA Noise attenuation
- 1/2" and 1" NPT
- Disposable Units
- Continuous or plugged drain option
- Metal retained UNI-CAST construction
- Fast exhaust time
- BSP (G) Thread option

Improve Overall Plant Environment

Exhaust oil mist and noise pollution can have a direct impact on a worker's productivity and their environment.

Oil aerosol mist from lubricators and compressors enters the industrial plant environment through the exhaust ports of valves, cylinders and air motors. Rapidly expanding exhaust from valves, cylinders and air motors also produces sudden and excessive noise.

Finite's Exhaust Coalescing Silencer (ECS) is 99.97% efficient at removing the oil aerosols. The ECS also acts as a silencer to lower the dBA levels to below O.S.H.A. requirements.

The result is a cleaner, quieter, environment which equates to greater work productivity and safety.

Finite® Technology

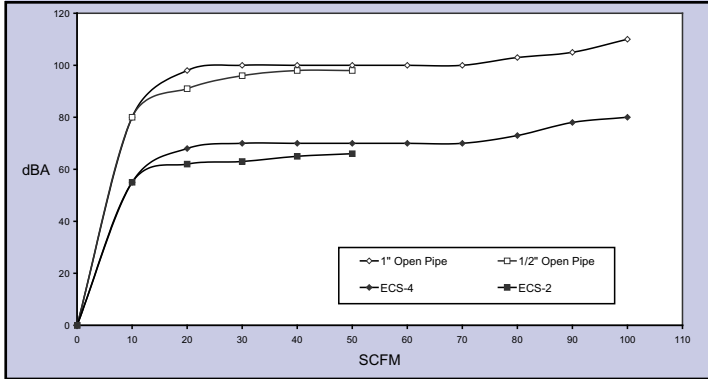
ECS units are constructed from the same materials that are used with our oil removal coalescing filter elements. Finite's UNI-CAST seamless design ensures media uniformity and strength. This proven technology provides high coalescing efficiency with low pressure drop.

The filter media is supported by cylindrical perforated steel retainers both inside and out. These galvanized retainers make for excellent corrosion resistance and give Finite's ECS units high rupture strength in either flow direction. ECS units can also be used as high efficiency inlet or bypass filters for vacuum pumps, or as breather elements to protect the air above critical process liquids.

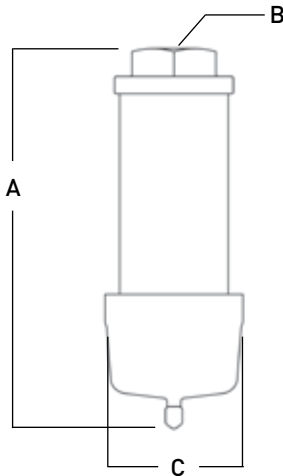
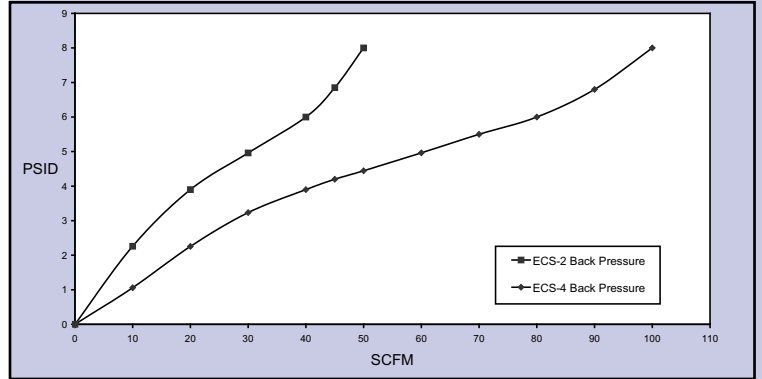
How It Works

Compressor oils and lubricating oils are exhausted from valves, cylinders and air motors into the ECS. Oil aerosols are coalesced into larger droplets and gravity pulls them into the attached drain sump. The sump can then be drained manually or by using a 1/4" ID plastic tube drain. The air flowing into the ECS is also muffled as it enters the inside of the ECS and passes through the filter media into the atmosphere.

Flow vs. Noise Level



Flow vs. Back Pressure



Performance Specifications:

Maximum operating temperature: 125°F/52°C

Maximum Line Pressure: 100 PSIG/7bar

Dimensions:

Model Number	A	B	C
ECS-2	5.3" (135mm)	1/2" NPT	2.57" (65mm)
ECS-4	7.3" (185mm)	1" NPT	2.57" (65mm)
ECSB-2	5.3" (135mm)	1/2" BSP	2.57" (65mm)
ECSB-4	7.3" (185mm)	1" BSP	2.57" (65mm)

Typical Applications:

- Valve Exhaust
- Cylinder Exhaust
- Air Motor Exhaust
- Noise Reduction
- Oil Mist Elimination
- Safer Work Environment
- Tank Vents
- Vacuum Exhaust

Ordering Information:

Use the following model numbers to place an order:

For NPT Porting:

ECS-2 X 1 (1/2" NPT)

ECS-4 X 1 (1" NPT)

ECS-2 X 6 (1/2" NPT - Carton of 6)

ECS-4 X 6 (1" NPT - Carton of 6)

For BSP Porting:

ECSB-2 X 1 (1/2" BSP - Parallel (G))

ECSB-4 X 1 (1" BSP - Parallel (G))

ECSB-2 X 6 (1/2" BSP - Parallel (G) - Carton of 6)

ECSB-4 X 6 (1" BSP - Parallel (G) - Carton of 6)



Vacuum Pump Exhaust Filters

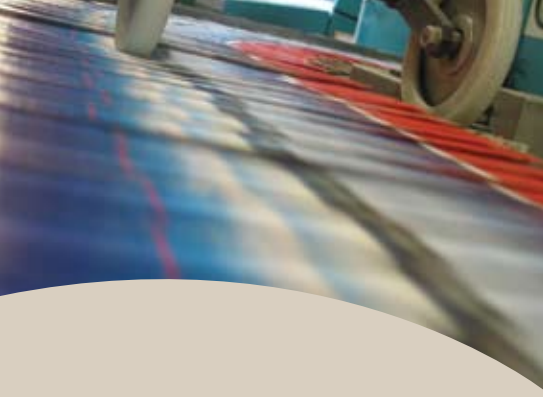
- Eliminate 99.9% oil mist and smoke from vacuum pump Exhaust
- Easily adapts to most vacuum pumps
- Flows to 200 CFM

Bulletin 1300 - 310/USA



FRLs & Vacuum
Exhaust Filters

Finite®



What is a vacuum pump and what are they used for?



Applications:

Industrial Vacuum Processes

Pharmaceutical

Medical

Food Processing

Meat Packaging

Factory Automation

Pneumatic Conveying

Chemical Processing

Print Production

Woodworking

FRL's & Vacuum Exhaust Filters

High Quality, Low Maintenance

Vacuum pumps are used in a variety of applications from manufacturing processes to medical devices. In general, a vacuum pump provides high quality, reliable performance and is a low maintenance piece of equipment.

How it Works

Vacuum pumps convert mechanical energy into pneumatic energy by evacuating the air contained within a system. They use the same pumping mechanism as air compressors except that the unit is installed so that the air is drawn from a closed volume and Exhausted to the atmosphere.

In a compressed air system the compressor inlet is usually at atmospheric pressure, whereas in a vacuum system, the outlet is at atmospheric pressure.

"In general, a vacuum pump provides high quality, reliable performance and is a low maintenance piece of equipment."

Lubricated vs. Non-lubricated

Pumps are generally offered in an oil-less or oil-lubricated version. Oil-lubricated vacuum pumps have many advantages if they are properly maintained. They can usually provide 20% higher vacuum because the lubricant acts as a sealant. The life of an oil-lubricated vacuum pump is usually extended by 50% due to cooler operation and better protection against corrosion from condensed water vapor.

All Pumps Require Filtration Protection

A vacuum pump, whether it is oil-less or not, requires Exhaust filtration protection. One requirement of vacuum pump maintenance is making sure that the operator provides and maintains a filter for the vacuum Exhaust. Regardless of the type of vacuum pump you have, using a Finite Exhaust filter will ensure a cleaner work environment.

Why filter vacuum pump Exhaust?

Put 99.9% clean air into YOUR work environment

A vacuum pump will Exhaust smoke and visible oil mist into the air. Installing a Finite Exhaust filter will eliminate 99.9% of the oil mist and smoke from vacuum pump Exhaust. This will prevent oil accumulation in the ambient air, which could otherwise cause health hazards for employees and potential violations from OSHA and the EPA.

Eliminate oil in duct work

When oily air is emitted from a vacuum pump, the contaminants are circulated throughout the building through the duct work. This can create dirty intake air for other equipment such as air compressors, packaging machines, etc.

Recover expensive lubricating oils

Oil prices have risen dramatically in the past few years. Your Finite vacuum pump Exhaust filter can recover expensive lubricating oils and return filtered oil back to the pump. This reduces overall maintenance costs.






How to Choose a Finite Vacuum Pump Exhaust Filter

For most applications, simply select the filter assembly which has a flow capacity equal to or greater than the vacuum pump Exhaust flow output (see chart to the right). The filter assemblies are shipped with installed filter cartridges, pressure gauge, and stainless steel mesh final filter pad (20 cfm and larger). Finite vacuum Exhaust filters can be easily adapted to any vacuum pump with readily available connection fittings.

Filter Selection Chart

Max. Pump Flow Rate (CFM)	Recommended Filter Part Number
3	FVE003N, FVE003K
9	FVE009N
9	FVC009N (Stainless Steel)
20	FVE020N
43	FVE043N
100	FVE100N
200	FVE200N

Vacuum Pump Exhaust Filters

		Use this on hazardous/corrosive applications. 		
FVE003N , Not pictured FVE003K	FVE009N	FVC009N	FVE020N Not pictured: FVE043N, similar but larger capacity	FVE200N Not pictured: FVE100N similar but smaller capacity

FRL's & Vacuum Exhaust Filters

Specifications

Part Number	Port Size	Max. Flow Rate	Materials of Construction			Max. Temperature	Max. Pressure	Shipping Weight	Dimensions
			Body	Internals	Seals				
FVE003N	1/2" NPT	3 CFM	Nylon	Nylon	None	250°F (121°C)	15 PSIG	0.25 lbs (0.1 kg)	2" Dia. X 3.7" H
FVE003K	KF-16	3 CFM	Nylon	Nylon	None	250°F (121°C)	15 PSIG	0.25 lbs (0.1 kg)	2" Dia. X 3.7" H
FVE009N	3/4" NPT	9 CFM	Steel	Steel	Fluorocarbon	400°F (204°C)	15 PSIG	0.8 lbs (0.4 kg)	3.5" Dia. X 5.4" H
FVC009N	3/4" NPT	9 CFM	304 SS	304 SS	None	250°F (121°C)	15 PSIG	0.8 lbs. (0.4 kg)	4.0" Dia. X 5.3" H
FVE020N	1" NPT	20 CFM	Steel	Anod. Alum.	Neoprene	400°F (204°C)	15 PSIG	8 lbs (4 kg)	7.4" Dia. X 8.8" H
FVE043N	1 1/2" NPT	43 CFM	Steel	Anod. Alum.	Neoprene	400°F (204°C)	15 PSIG	11 lbs (5 kg)	7.4" Dia. X 15" H
FVE100N	3" NPT	100 CFM	Steel	Anod. Alum.	Neoprene	400°F (204°C)	15 PSIG	17 lbs (8 kg)	10" Dia. X 18" H
FVE200N	3" NPT	200 CFM	Steel	Anod. Alum.	Neoprene	400°F (204°C)	15 PSIG	23 lbs (10kg)	10" Dia. X 28" H

Color Key:



Filter cartridge is permanently sealed into housing. The entire unit is disposable.



Filter cartridge is permanently sealed into housing. The entire unit is disposable. Housing is stainless steel.



The filter assemblies are shipped with installed filter cartridges, pressure gauge, and stainless steel mesh final filter pad. Replacement cartridges are available.

Ordering Information

The filter assemblies are shipped with installed filter cartridges, pressure gauge, and stainless steel mesh final filter pad (20 cfm and larger).

Ordering Information		Optional Accessories			
Part Number	# of Replacement Filter Cartridges Required	Cover (includes pipe connection for remote Exhaust venting)	Element Bypass Valve Assembly* (2-5 PSIG)	Pressure Relief Valve (3-7 PSIG, 1/4" NPT male)	Weather Cap
FVE003N	N/A	N/A	N/A	N/A	N/A
FVE003K	N/A	N/A	N/A	N/A	N/A
FVE009N	N/A	N/A	N/A	N/A	N/A
FVC009N	N/A	N/A	N/A	N/A	N/A
FVE020N	RVE20-035 (need 3)	19158	20222 (need 1)	20217	N/A
FVE043N	RVE20-090 (need 3)	19158	20222 (need 1)	20217	N/A
FVE100N	RVE20-090 (need 7)	19206	20222 (need 2)	20217	19202
FVE200N	RVE20-187 (need 7)	19206	20222 (need 2)	20217	19202

*Note: Element bypass valve assembly prevents backpressure buildup at the outlet of the vacuum pump.

FRL's & Vacuum Exhaust Filters

Look inside a Finite Exhaust filter...



In standard models FVE020N-FVE200N, the elements are covered by a stainless steel mesh pad. Remove the mesh pad to expose the elements for maintenance and filter replacement. This photo does not show the optional cover.



The elements are installed in the housing. They are held in place by a center rod and threaded end cap. This design allows for easy element changeout. The inlet is on the bottom of the housing and the air flows from the inside to the outside. The coalesced liquid collects at the bottom of the internal separator plate and can be easily drained away.



Compressed Air & Gas Desiccant Dryers

For Point of Use and OEM Applications

Bulletin 1300 - 850/USA



Dryers

Finite®

FDD DESICCANT DRYER SERIES

- 1/4" to 1" NPT Ports
- Capacities to 60 SCFM
- Pressure Dewpoints Down to -40° F

Finite® Filter's unique in-line air/gas dryer system is engineered for easy desiccant changeouts, longer life and lower pressure drop.

The FDD Series is designed to remove water vapor and aerosols at point-of-use for intermittent flows up to 60 SCFM. Finite dryers do not require steady flow for constant dewpoint suppression.

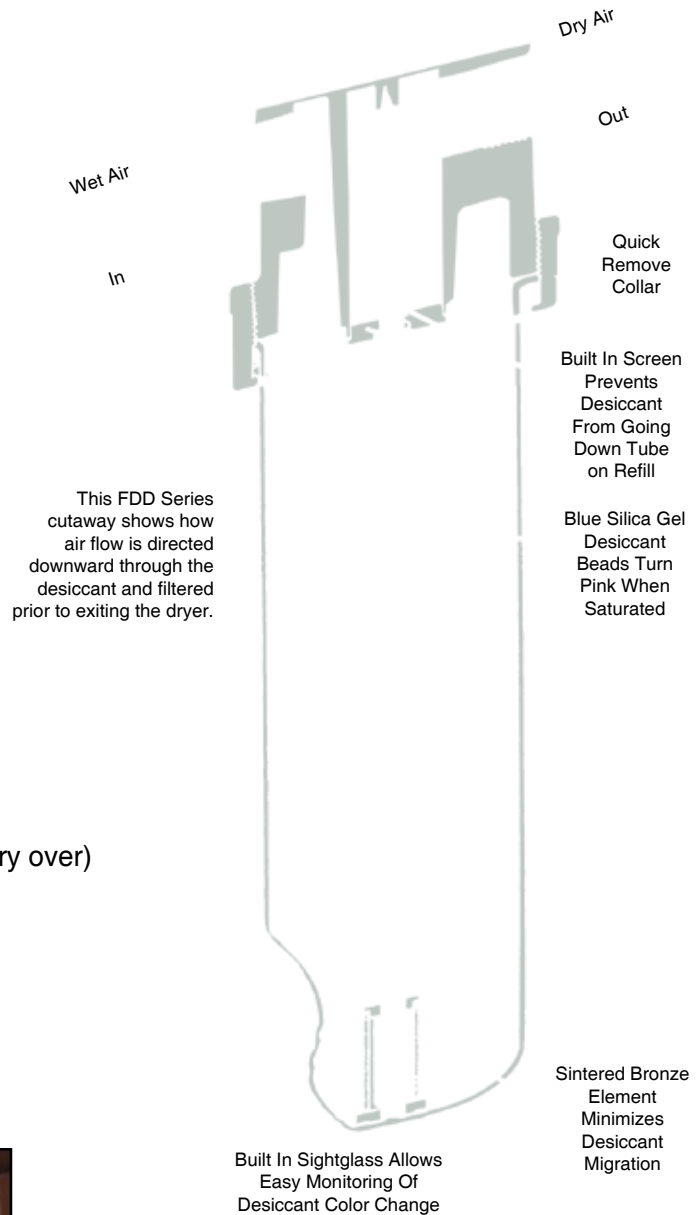
A color changing moisture indicator with visual sight gauge indicates the need for desiccant replacement.

STANDARD FEATURES

- Zinc Head/Steel Bowl with Integral Sightglass
- Sintered Bronze Elements (prevent desiccant carry over)
- Collar Designed for Easy Changeouts
- Maximum Operating Temperature: 180° F
- Maximum Working Pressure: 300 PSI
- Optimum Working Temperature: Below 100° F



The new FDD Series offers clean dry air for intermittent usage.



APPLICATIONS

- Intermittent Air Use
- Clean, Dry Air for Pneumatic Applications
- Instrument Protection
- Air Tools Protection Against Gumming and Oxidation
- Auto Body Paint Systems - Helps Prevent Fish Eye Defects
- Valve Actuation - Instrument Air

DESICCANT TYPES

SILICA GEL — Finite Filter's 100 percent indicating silica gel provides Maximum moisture adsorption and dewpoints down to -40° F.



Silica Gel a popular choice for the FDD series.

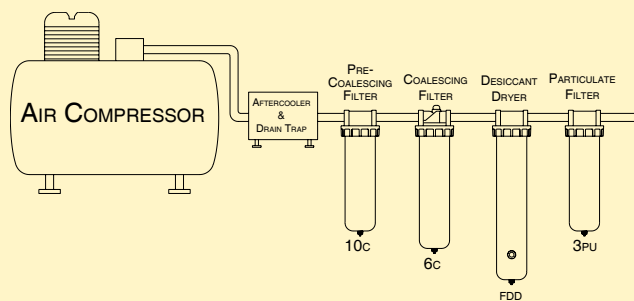
Outstanding features of Silica Gel include:

- High adsorption capacity - average surface area for each bead is over 200 ft²
- Low abrasion, due to high mechanical strength for long service life
- Ideal packing in bowl due to bead shape
- Uniform color change
- Excellent regeneration characteristics

As the silica beads adsorb moisture, they change from blue to pink, indicating the need for replacement or regeneration. The desiccant can be regenerated by heating in a drying oven to a temperature higher than 212° F but not over 350° F. Desiccant may also be regenerated in microwave ovens.

MOLECULAR SIEVE — Molecular sieves are crystalline, metallic aluminum silicates. The type 4A offers exceptional water vapor adsorption characteristics. Dewpoints are attainable to -40° F.

RECOMMENDED INSTALLATION



- Always place a moisture separator and/or pre-coalescing filter upstream to remove bulk liquids
- Always place a coalescing filter upstream to remove oil. Desiccant coated with oil will not adsorb moisture
- A 3 micron (or better) particulate filter is recommended downstream to remove desiccant dust in critical applications

WHY Finite® DESICCANT DRYERS?

Finite® desiccant dryers are the simplest and most reliable method of ensuring your sensitive pneumatic equipment is not exposed to damaging moisture. When air is compressed, the temperature of air is increased as is its capacity to hold moisture. As the hot moist air travels downstream through the pipelines, it cools, allowing the moisture to condense. Aftercoolers, filters, drain traps and drip legs are effective for removing condensate. For removing residual water vapor and aerosols, use the Finite desiccant dryer.



FDD15

- 1/4" - 3/4" NPT
- Flows to 15 SCFM
- Low Flow Intermittent Use



FDD30

- 3/8" - 1" NPT
- Flows to 30 SCFM
- Medium Flow for Intermittent Use or Longer Time Between Desiccant Changeouts



FDD60

- 1/2" - 1" NPT
- Flows to 60 SCFM
- For Intermittent Use or Longer Time Between Desiccant Changeouts

How Do THEY WORK?

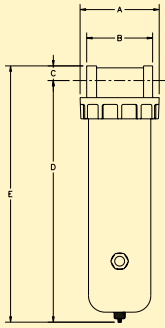
As the wet compressed air flows through the inlet port and down through the bed of desiccant, the desiccant beads adsorb the water vapor and aerosols. The silica gel beads are so effective in adsorption, the air humidity can be reduced to a -40° F pressure dew point. Unless your compressed air is exposed to a temperature below the dewpoint, there will be no further condensation forming in your air lines.

After the moisture has been removed, the dry air passes through a sintered bronze element, up the center tube, and exits through the outlet port. As long as the desiccant is replaced regularly, your equipment will receive ultra dry, moisture-free air.

This sight gauge shows the color of the silica gel. When the gel turns from blue to pink, it is time to change the desiccant.



DIMENSIONS



	A*	B*	C	D	E	Weight
FDD15	4 15/16	4 1/16	13/16	12 11/16	13 1/2	8 lbs.
FDD30	4 15/16	4 1/16	13/16	22 7/16	23 1/4	13 lbs.
FDD60	4 15/16	4 1/16	13/16	29 7/16	30 1/4	20 lbs.

*Dimensions A & B do not include reducer bushings
 Note: Weight is for housing only. Bowl removal requires a minimum of 2".

ORDERING INFORMATION

MODEL No. HOUSING ONLY**	PIPE SIZE (NPT)	FLOW CAPACITY	BOWL CAPACITY DESICCANT (LBS)
FDD15-02*	1/4"	15 SCFM	2 1/2
FDD15-03*	3/8"	15 SCFM	2 1/2
FDD15-04*	1/2"	15 SCFM	2 1/2
FDD15-06	3/4"	15 SCFM	2 1/2
FDD30-03*	3/8"	30 SCFM	5
FDD30-04*	1/2"	30 SCFM	5
FDD30-06	3/4"	30 SCFM	5
FDD30-08	1"	30 SCFM	5
FDD60-04*	1/2"	60 SCFM	10
FDD60-06	3/4"	60 SCFM	10
FDD60-08	1"	60 SCFM	10

*These dryers supplied with reducer bushings.
 **Desiccant sold separately.

PERFORMANCE

The flow capacities in the table are nominal ratings provided for reference. These capacities are recommended for minimal pressure drop and average desiccant life. A supply of low flow/low humidity air will provide longer desiccant life, whereas high flow/high humidity air will require more frequent desiccant changes.

Installed in an application with intermittent flow, Finite desiccant dryers will typically dry air for weeks before the silica gel desiccant requires replacement or regeneration.

DESICCANT TYPE	5 LB CAN	MASTER PACK 4x5 LB CAN
Silica Gel (all indicating)	FSGM100-1	FSGM100-4
Molecular Sieve (non-indicating)	FMS100-1	FMS100-4

For detailed performance curves, please contact **Finite® Filter**.

SPARE PARTS

MODEL NUMBER	REPAIR KIT	ELEMENTS
FDD15	FRKDD15-02-06	F504Z77-90
FDD30	FRKDD30-03-08	F504Z77-90
FDD60	FRKDD60-03-08	EK602B-BR

Note: A repair kit consists of a filter element, filter retainer, o-ring, stud, bottom nut, PVC tube and a strainer.

DID YOU KNOW?
 When a grade 6 microglass coalescer is installed ahead of an FDD Dryer, 99.97% of all contaminants are removed and desiccant life is greatly enhanced.



Compressed Air Hollow Fiber Membrane Dryers

Bulletin 1300 - 800/USA



Dryers

Finite®



FMD-Series Hollow Fiber Membrane Technology

Finite®, the world leader in coalescing media development, has combined its proven coalescing filtration with a modern alternative to pressure swing and refrigerant dryer technologies.

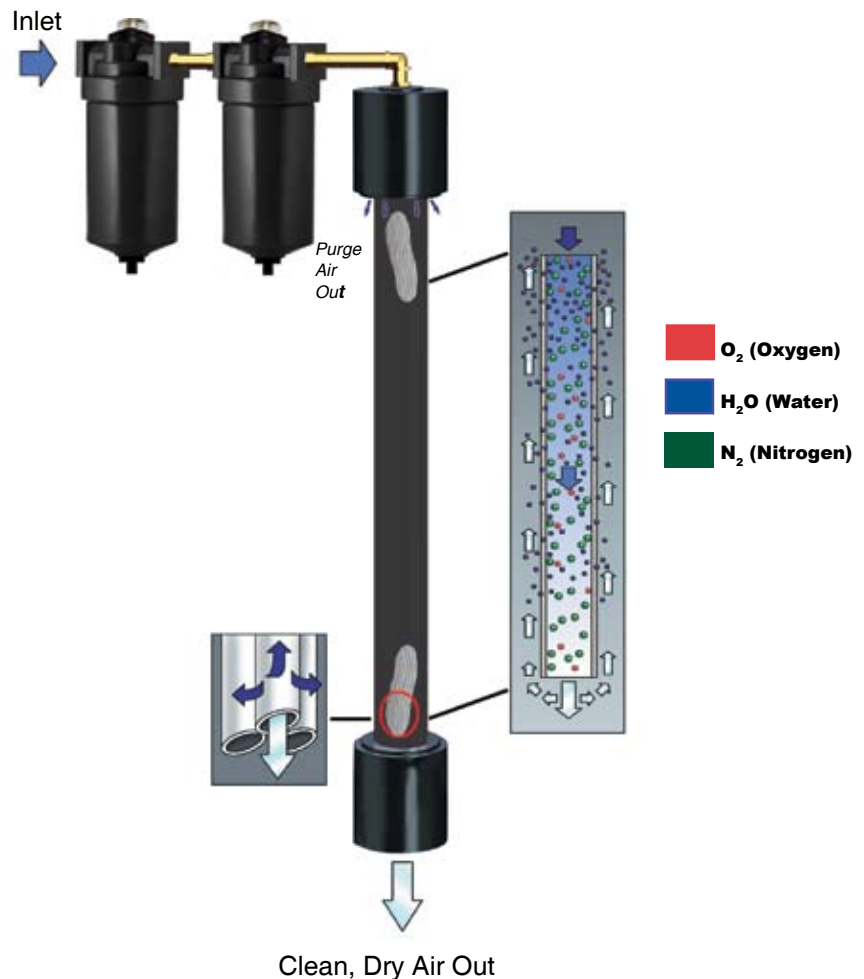
Finite®'s membrane dryers are available in 10 models which can supply clean, dry compressed air with dewpoints as low as -40°F (@10 SCFM) and +35° F (@40 SCFM).

These membrane dryers are engineered for easy installation, minimal maintenance, and long term reliability.

How It Works:

The water vapor in the compressed air is removed by the principle of selective permeation through a membrane. The membrane module consists of bundles of hollow membrane fibers, each permeable to water vapor. As the compressed air passes through the center of these fibers, water vapor permeates through the walls of the fiber. A small portion of the dry air (purge flow) is redirected along the outside of each hollow fiber, carrying away the moisture-laden air which is then exhausted to room atmosphere. The remainder of the dry air is piped to the application.

NOTE: In all cases a Grade 10 prefilter and a Grade 6 coalescer are installed upstream of the dryer module for 99.9985% removal of oil aerosols and mists.



Applications

- Air bearings
- Analytical instrumentation
- Coordinate measurement machines (CMM)
- Dental air
- Dry air for hazardous areas
- Electrostatic painting
- General laboratory air supply
- Laboratory grade air
- Laser and optical purge
- Low dewpoint instrument air
- OEM machine builders
- Pneumatic equipment
- Prevention of air line freeze ups
- Purge air for electronic cabinets
- Purge air for moisture sensitive coatings and adhesives

Features

- No moving parts
- Quiet
- Designed for point of use
- Continuous operation
- Differential pressure indicator (on selected models)
- Hollow fiber technology
- Non oxygen depleting membrane fibers

Advantages

- Nothing to wear out
- Can be installed anywhere
- Lightweight
- No waiting for media changeouts
- Indicates when filter element should be changed
- No electricity
- No U.L. approval required
- No refrigerants
- Low dewpoints
- Only water vapor molecules are allowed to pass through fiber walls

Benefits


- Less downtime
- Perfect for point-of-use applications
- Ease of installation
- Less downtime
- Dryer protection insurance
- Low operating cost
- OEM cost savings
- Environmentally friendly
- Prevents freezing
- Dryers can be used in medical, dental and breathing air applications

+35° F Dewpoint Dryers

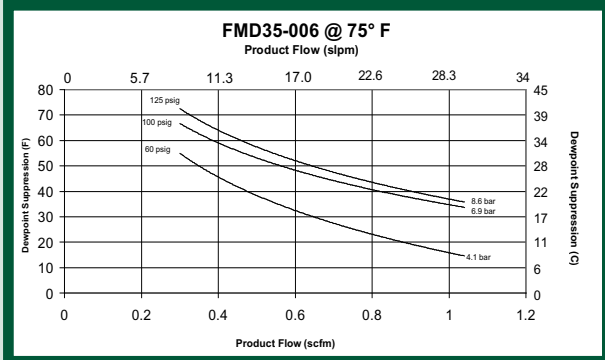
Part Number FMD35-006

Specifications:

Width	5.5" (14.00 cm)
Height	14.5" (36.83 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.25 SCFM (0.43 NM ³ /H)
Pre-coalescer Part #	Q1S-10HM06-013
Replacement element:	10HM06-013
Coalescer Part #	Q1S-6HM06-013
Replacement element:	6HM06-013
Weight	0.7 lbs. (.38 kg)



FMD35-006 @ 75° F




Total Air Consumption = Purge Flow + Product Flow

+35° F Dewpoint Dryers

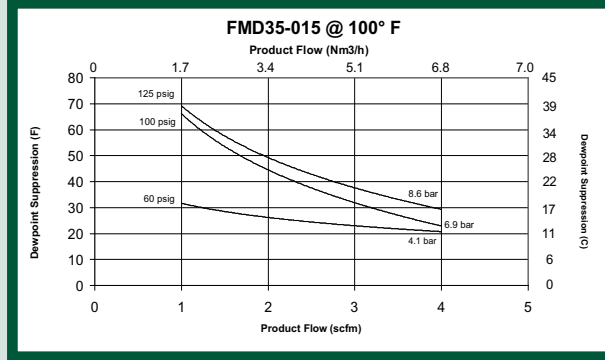
Part Number FMD35-015

Specifications:

Width	6.5" (16.51 cm)
Height	15" (38.10 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.5 SCFM (0.85 NM ³ /H)
Pre-coalescer Part #	Q1S-10HM06-013
Replacement element:	10HM06-013
Coalescer Part #	Q1S-6HM06-013
Replacement element:	6HM06-013
Weight	1.9 lbs. (.86 kg)



FMD35-015 @ 100° F



Total Air Consumption = Purge Flow + Product Flow

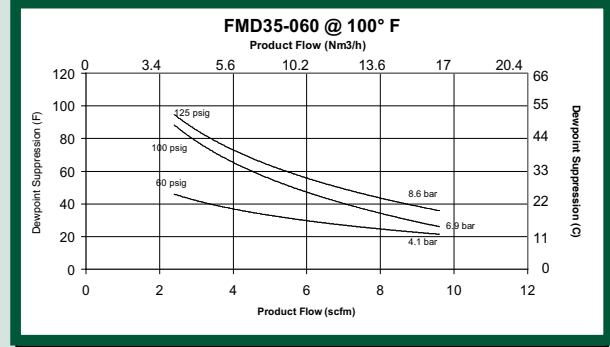
Dryers

Part Number FMD35-060

+35° F
Dewpoint
Dryers

Specifications:

Width	10" (25.4 cm)
Height	22" (55.88 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	1.5 SCFM (2.55 NM ³ /H)
Pre-coalescer Part # Replacement element:	HN1S-10CW 10C10-025
Coalescer Part # Replacement element:	HN1S-6CW 6C10-025
Weight	5.2 lbs. (2.36 kg)



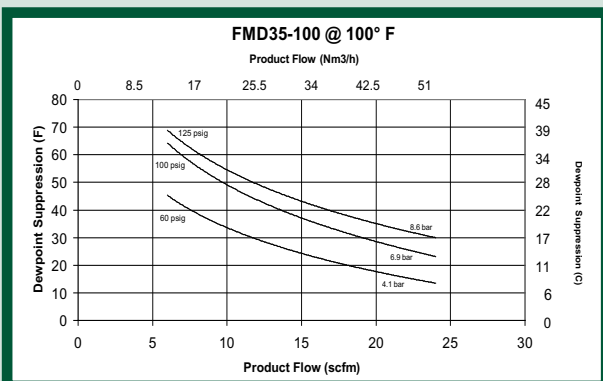
Total Air Consumption = Purge Flow + Product Flow

Part Number FMD35-100

+35° F
Dewpoint
Dryers

Specifications:

Width	11.5" (29.21 cm)
Height	22" (55.88 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	3.5 SCFM (5.95 NM ³ /H)
Pre-coalescer Part # Replacement element:	HN2S-10CW 10C10-025
Coalescer Part # Replacement element:	HN2S-6CW 6C10-025
Weight	7.1 lbs. (3.22 kg)



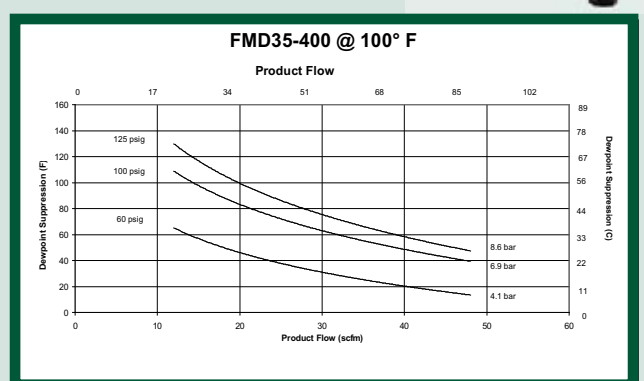
Total Air Consumption = Purge Flow + Product Flow

Part Number FMD35-400

+35° F
Dewpoint
Dryers

Specifications:

Width	14" (35.56 cm)
Height	38" (96.52 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	6 SCFM (4.2 NM ³ /H)
Pre-coalescer Part # Replacement element:	HN2L-10CW 10C10-050
Coalescer Part # Replacement element:	HN2L-6CW 6C10-050
Weight	18.9 lbs. (8.57 kg)



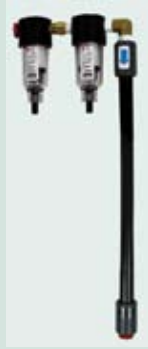
Total Air Consumption = Purge Flow + Product Flow

Part Number FMD40-001

-40° F
Dewpoint
Dryers

Specifications:

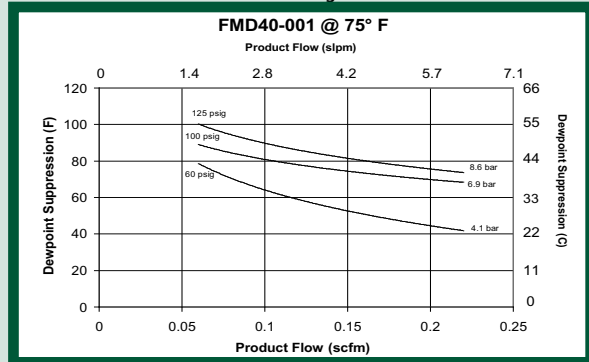
Width	5.5" (14.00 cm)
Height	14.5" (36.83 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.25 SCFM (0.43 NM ³ /H)



Pre-coalescer Part # Q1S-10HM06-013
Replacement element: 10HM06-013

Coalescer Part # Q1S-6HM06-013
Replacement element: 6HM06-013

Weight 0.7 lbs.
(.38 kg)



Total Air Consumption = Purge Flow + Product Flow

Part Number FMD40-002

-40° F
Dewpoint
Dryers

Specifications:

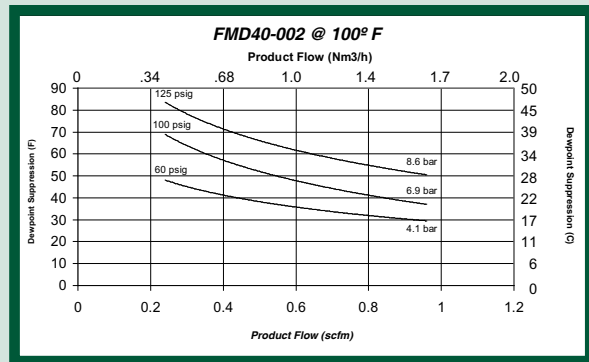
Width	6.5" (16.51 cm)
Height	15" (38.10 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.2 SCFM (0.34 NM ³ /H)



Pre-coalescer Part # Q1S-10HM06-013
Replacement element: 10HM06-013

Coalescer Part # Q1S-6HM06-013
Replacement element: 6HM06-013

Weight 1.9 lbs.
(.86 kg)



Total Air Consumption = Purge Flow + Product Flow

Part Number FMD40-020

-40° F
Dewpoint
Dryers

Specifications:

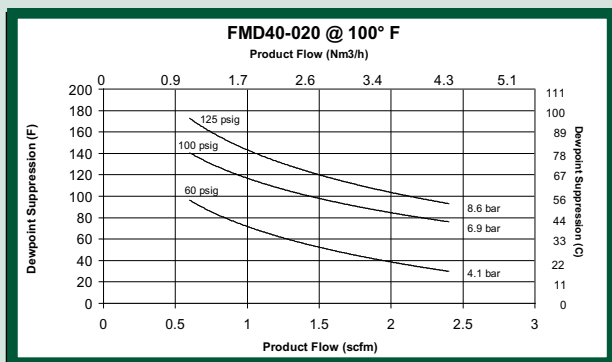
Width	10" (25.4 cm)
Height	22" (55.88 cm)
Port Size	1/4" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	0.5 SCFM (.85 NM ³ /H)



Pre-coalescer Part # HN1S-10CW
Replacement element: 10C10-025

Coalescer Part # HN1S-6CW
Replacement element: 6C10-025

Weight 5.2 lbs.
(2.36 kg)



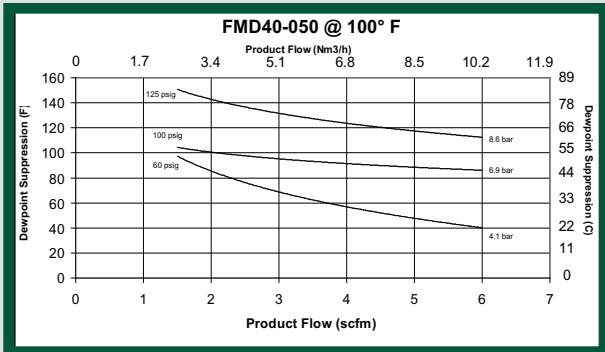
Total Air Consumption = Purge Flow + Product Flow

Part Number FMD40-050

-40° F
Dewpoint
Dryers

Specifications:

Width	14" (35.56 cm)
Height	26" (66.04 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	2 SCFM (3.4 NM ³ /H)
Pre-coalescer Part #	HN2S-10CW
Replacement element:	10C10-025
Coalescer Part #	HN2S-6CW
Replacement element:	6C10-025
Weight	13.3 lbs. (3.22 kg)



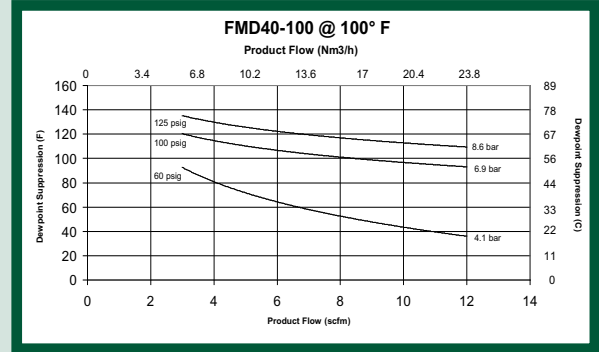
Total Air Consumption = Purge Flow + Product Flow

Part Number FMD40-100

-40° F
Dewpoint
Dryers

Specifications:

Width	14" (35.56 cm)
Height	38" (96.52 cm)
Port Size	1/2" NPT
Min./Max. Inlet Pressure	60/150 PSIG (4.1-10.3 bar)
Ambient/Inlet Temp. Range	40°-100° F (4.4°-37.8° C)
Purge Flow @ 100 PSI	2.5 SCFM (4.25 NM ³ /H)
Pre-coalescer Part #	HN2L-10CW
Replacement element:	10C10-050
Coalescer Part #	HN2L-6CW
Replacement element:	6C10-050
Weight	18.9 lbs. (8.57 kg)



Total Air Consumption = Purge Flow + Product Flow



Par-Fit™ Conversion Elements

Bulletin 1300 - 500-1/USA



Finite®



The **Finite**[®] Advantage...

High filtration efficiency, low operating costs, long life, high quality, and the convenience of purchasing your products from a single supplier are the **Finite[®] advantages.**

Each **Finite**[®] coalescing filter element offers our unique UNI-CAST design created from a carefully controlled vacuum process. This design was developed and patented by **Finite**[®] to optimize filter performance and results in a filter element with lower differential pressure and a higher dirt loading capacity. This means lower operating

costs and longer life. Because we have complete control over the manufacture of our products, we also have control over our product's quality and performance.

This means reliable and consistent filtration performance for your applications.

Finite[®]'s filtration efficiency standards are among the highest in the industry. We have been careful to supply you a product that always meets and in most cases exceeds the filtration performance and

flow rate capacity of the original element. We verify these standards in our quality control laboratory. You are assured of getting a filter element with industry leading filtration quality.

Finite[®] is one of the pioneers in coalescing filtration. We are dedicated to the science of this filtration technique.

By purchasing a **Finite**[®] product you will have access to our many years of coalescing experience and research. With the breadth of our product line, including complete

filter housings, most of your needs will be met with a single source, high quality, reliable supplier.

Call your **Finite**[®] distributor now for your filtration needs. Or, your questions can be answered by calling 1-(800)-521-4357. Ask for Applications Engineering. **Finite**[®]'s benefits are available to you, now!

"You can have all of the benefits inherent in a **Finite**[®] filter element without the need to replace your existing filter housing."

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Par-Fit Conversion Elements

General Notes:

1. To make a proper conversion, locate the original manufacturer's element number, determine the element type (coalescer, particulate or adsorber), then identify the **Finite**[®] equivalent from the proper manufacturer's list.

2. The grades and types of **Finite**[®] elements recommended are based on the actual performance specifications of the housings to be converted.

3. Number after "X" in "**Finite**[®] Element Part Number" indicates number of elements sold per Box. Elements are sold in Box quantity only.

4. Conversion kits consist of a group of parts, such as center rods and end caps, that adapt other manufacturer's housings to accept a **Finite**[®] conversion element.

5. Conversion kits are required for initial conversion only.

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Arrow			
Oil Removal			
Arrow	EKF401	10RU07-018 X 8	
Arrow	EKF402	10RU10-021 X 8	
Arrow	EKF405	10RA20-040 X 4	
Arrow	EKF407	10RA20-071 X 2	
Arrow	EKF408	10RA20-080 X 2	
Arrow	EKF410	10RU25-101 X 2	
Arrow	EKF418	10RU25-181 X 1	
Arrow	EKF428	10RU25-281 X 1	
Arrow	EKF4N2	10RU25-281 X 1	
Arrow	EKF4 X 2	10RU25-281 X 1	
Arrow	EKF4 X 3	10RU25-281 X 1	
Arrow	EKF4 X 4	10RU25-281 X 1	
Arrow	EKF4 X 5	10RU25-281 X 1	
Arrow	EKF4 X 6	10RU25-281 X 1	
Arrow	EKF4 X 8	10RU25-281 X 1	
Coalescer			
Arrow	EKF501	6CU07-018 X 8	
Arrow	EKF502	6CU10-022 X 8	
Arrow	EKF505	6IA20-040 X 4	
Arrow	EKF507	6IA20-071 X 2	
Arrow	EKF508	6IA20-080 X 2	
Arrow	EKF510	6IU25-101 X 2	
Arrow	EKF518	6IU25-181 X 1	
Arrow	EKF528	6IU25-281 X 1	
Arrow	EKF529	6CA29-280 X 1	
Arrow	EKF5N2	6IU25-281 X 1	
Arrow	EKF5 X 2	6IU25-281 X 1	
Arrow	EKF5 X 3	6IU25-281 X 1	
Arrow	EKF5 X 4	6IU25-281 X 1	
Arrow	EKF5 X 5	6IU25-281 X 1	
Arrow	EKF5 X 6	6IU25-281 X 1	
Arrow	EKF5 X 8	6IU25-281 X 1	
Fine Coalescer Grade A			
Arrow	EKF501A	2CU07-018 X 8	
Arrow	EKF502A	2CU10-022 X 8	
Arrow	EKF505A	2IA20-040 X 4	
Arrow	EKF507A	2IA20-071 X 2	
Arrow	EKF508A	2IA20-080 X 2	
Arrow	EKF510A	2IU25-101 X 2	
Arrow	EKF518A	2IU25-181 X 1	
Arrow	EKF528A	2IU25-281 X 1	
Arrow	EKF529A	2CA29-280 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Arrow	EKF5N2A	2IU25-281 X 1	
Arrow	EKF5 X 2A	2IU25-281 X 1	
Arrow	EKF5 X 3A	2IU25-281 X 1	
Arrow	EKF5 X 4A	2IU25-281 X 1	
Arrow	EKF5 X 5A	2IU25-281 X 1	
Arrow	EKF5 X 6A	2IU25-281 X 1	
Arrow	EKF5 X 8A	2IU25-281 X 1	
Vapor Adsorber			
Arrow	EKF601	AU07-018 X 8	
Arrow	EKF602	AU10-022 X 8	
Arrow	EKF605	AA20-040 X 4	
Arrow	EKF607	AA20-071 X 2	
Arrow	EKF608	AA20-080 X 2	
Arrow	EKF610	AU25-101 X 2	
Arrow	EKF618	AU25-181 X 1	
Arrow	EKF628	AU25-281 X 1	
Arrow	EKF629	AA29-280 X 1	
Arrow	EKF6N2	AU25-281 X 1	
Arrow	EKF6 X 2	AU25-281 X 1	
Arrow	EKF6 X 3	AU25-281 X 1	
Arrow	EKF6 X 4	AU25-281 X 1	
Arrow	EKF6 X 5	AU25-281 X 1	
Arrow	EKF6 X 6	AU25-281 X 1	
Arrow	EKF6 X 8	AU25-281 X 1	
Balston			
Coalescers			
Balston	050-03-BX	6H04-010 X 10	
Balston	050-05-BX	6H04-013 X 10	
Balston	050-11-BX	6H04-023 X 10	
Balston	100-09-BX	6H10-020 X 8	
Balston	100-12-BX	6H10-025 X 8	
Balston	100-18-BX	6H10-050 X 4	
Balston	100-25-BX	6H10-070 X 4	
Balston	150-19-BX	6H15-060 X 4	
Balston	200-16-BX	6H20-035 X 4	
Balston	200-35-BX	6H20-090 X 2	
Balston	200-80-BX	6H20-187 X 1	
Balston	050-03-CX	8H04-010 X 10	
Balston	050-05-CX	8H04-013 X 10	
Balston	050-11-CX	8H04-023 X 10	
Balston	100-09-CX	8H10-020 X 8	
Balston	100-12-CX	8H10-025 X 8	
Balston	100-18-CX	8H10-050 X 4	
Balston	100-25-CX	8H10-070 X 4	
Balston	150-19-CX	8H15-060 X 4	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Balston	200-16-CX	8H20-035 X 4	
Balston	200-35-CX	8H20-090 X 2	
Balston	200-80-CX	8H20-187 X 1	
Balston	050-03-DX	10H04-010 X 10	
Balston	050-05-DX	10H04-013 X 10	
Balston	050-11-DX	10H04-023 X 10	
Balston	100-09-DX	10H10-020 X 8	
Balston	100-12-DX	10H10-025 X 8	
Balston	100-18-DX	10H10-050 X 4	
Balston	100-25-DX	10H10-070 X 4	
Balston	150-19-DX	10H15-060 X 4	
Balston	200-16-DX	10H20-035 X 4	
Balston	200-35-DX	10H20-090 X 2	
Balston	200-80-DX	10H20-187 X 1	

Particulate Diesel Emission Test Filters

Balston	050-11-DH	10T04-023 X 10	
Balston	100-12-DH	10T10-025 X 10	
Balston	100-25-DH	10T10-070 X 10	
Balston	050-11-BH	6T04-023 X 10	
Balston	100-12-BH	6T10-025 X 10	
Balston	100-25-BH	6T10-070 X 10	
Balston	200-35-BH	6T20-090 X 10	

Note: 'T'Tubes are baked at 900°F to eliminate all hydrocarbons.

Particulate

Balston	050-03*	*G04-010 X 10	
Balston	050-05-*	*G04-013 X 10	
Balston	050-11-*	*G04-023 X 10	
Balston	100-12-*	*G10-025 X 10	
Balston	100-25-*	*G10-070 X 10	
Balston	150-19-*	*G15-060 X 10	
Balston	200-35-*	*G20-090 X 10	
Balston	200-80-*	*G20-187 X 10	
Balston	050-03*Q	*T04-010 X 10	
Balston	050-05-*Q	*T04-013 X 10	
Balston	050-11-*Q	*T04-023 X 10	
Balston	100-12-*Q	*T10-025 X 10	
Balston	100-25-*Q	*T10-070 X 10	
Balston	150-19-*Q	*T15-060 X 10	
Balston	200-35-*Q	*T20-090 X 10	
Balston	200-80-*Q	*T20-187 X 10	

Disposable Inline Filter Housings

Balston	9933-05-BQ	IDN-6G X 10	
Balston	9933-05-DQ	IDN-10G X 10	
Balston	9900-05-BK	SDN-O X 10	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
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*Pore Structure Conversion Chart

Use this chart to determine the **Finite®** equivalent to the specified Balston grade.

Balston	AA	A	371H or B	C	D	E
Finite®	2	4	6	8	10	12

Notes: 'G' type elements are for general air and gas applications to 350°F.

'T' type elements are suitable for use with air or gases containing most organic fluids and for temperatures to 450°F.

Binks

Binks	86-972	6HU20-070 X 2	
Binks	86-982	6HU10-050 X 4	

Busch

Busch	532-221	8CF20-051 X 2	
Busch	532-302 (532.509.501)	8CF20-099 X 2	
Busch	532-303 (532.082.01)	8CF20-147 X 1	
Busch	532-304 (532.507.01)	8CF20-197 X 1	

Cuno (AMF Cuno)

Reverse Flow Coalescer

Cuno	9-3/4" (78 Series)	6CP15-098 X 2	
Cuno	10" (80 Series)	6CP15-100 X 2	
Cuno	3-3/4" (30 Series)	6CP15-038 X 4	

3um Nominal Particulate

Cuno	G78A3 (9-3/4")	3PP15-098 X 2	
Cuno	G78B2 (9-3/4")	3PP15-098 X 2	
Cuno	G80A3 (10")	3PP15-100 X 2	
Cuno	G80B2 (10")	3PP15-100 X 2	
Cuno	U78A3 (9-3/4")	3PP15-098 X 2	
Cuno	U78B2 (9-3/4")	3PP15-098 X 2	
Cuno	U80A3 (10")	3PP15-100 X 2	
Cuno	U80B2 (10")	3PP15-100 X 2	

Note: Do not use '3P' elements on liquid applications. '3P' grade is 3 micron absolute and has 20 times the surface area of the original element.

Activated Carbon

Cuno	9-3/4" (78 Series)	AP15-098 X 2	
Cuno	10" (80 Series)	AP15-100 X 2	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
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Domnick Hunter

High Efficiency Coalescing Filters

Domnick Hunter	A002/05	6HJN08-024 X 1	
Domnick Hunter	A003/05	6HJN08-030 X 1	
Domnick Hunter	A003/10	6CJN10-030 X 1	
Domnick Hunter	A004/10	6CJN10-040 X 1	
Domnick Hunter	A004/20	6CJN13-040 X 1	
Domnick Hunter	A005/20	6CJN13-050 X 1	
Domnick Hunter	A005/25	6IJN15-050 X 1	
Domnick Hunter	A007/25	6IJN15-070 X 1	
Domnick Hunter	A007/30	6IJN25-070 X 1	
Domnick Hunter	A010/3	6IJ25-100 X 1	
Domnick Hunter	A010/30	6IJN25-100 X 1	
Domnick Hunter	A015/3	6IG25-150 X 1	
Domnick Hunter	A015/30	6IGN25-150 X 1	
Domnick Hunter	A020/3	6IG25-200 X 1	
Domnick Hunter	A020/30	6IGN25-200 X 1	
Domnick Hunter	A03/1	6CJ10-030 X 1	
Domnick Hunter	A03/1.5	6CJ13-030 X 1	
Domnick Hunter	A030/3	6IG25-300 X 1	
Domnick Hunter	A030/30	6IGN25-300 X 1	
Domnick Hunter	A030/5	6QG43-300 X 1	
Domnick Hunter	A030/50	6QGN43-300 X 1	
Domnick Hunter	A04/1.5	6CJ13-044 X 1	
Domnick Hunter	A04/2.5	6IJ15-040 X 1	
Domnick Hunter	A05/2.5	6IJN15-050 X 1	
Domnick Hunter	A05/3	6IJ25-050 X 1	
Domnick Hunter	AA02/05	4HJN08-024 X 1	
Domnick Hunter	AA03/05	4HJN08-030 X 1	
Domnick Hunter	AA03/10	4CJN10-030 X 1	
Domnick Hunter	AA04/10	4CJN10-040 X 1	
Domnick Hunter	AA04/20	4CJN13-040 X 1	
Domnick Hunter	AA05/20	4CJN13-050 X 1	
Domnick Hunter	AA05/25	4IJN15-050 X 1	
Domnick Hunter	AA07/25	4IJN15-070 X 1	
Domnick Hunter	AA07/30	4IJN25-070 X 1	
Domnick Hunter	AA10/3	6IJ25-100 X 1	
Domnick Hunter	AA10/30	4IJN25-100 X 1	
Domnick Hunter	AA15/3	6IG25-150 X 1	
Domnick Hunter	AA15/30	4IGN25-150 X 1	
Domnick Hunter	AA20/3	6IG25-200 X 1	
Domnick Hunter	AA20/30	4IGN25-200 X 1	
Domnick Hunter	AA3/1	6CJ10-030 X 1	
Domnick Hunter	AA3/1.5	6CJ13-030 X 1	
Domnick Hunter	AA30/3	6IG25-300 X 1	
Domnick Hunter	AA30/30	4IGN25-300 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
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Domnick Hunter	AA30/5	6QG43-300 X 1	
Domnick Hunter	AA30/50	4QGN43-300 X 1	
Domnick Hunter	AA4/1.5	6CJ13-044 X 1	
Domnick Hunter	AA4/2.5	6IJ15-040 X 1	
Domnick Hunter	AA5/2.5	6IJN15-050 X 1	
Domnick Hunter	AA5/3	6IJ25-050 X 1	
Domnick Hunter	E006AA	6CF08-026 X 1	
Domnick Hunter	E013AA	6IF10-032 X 1	
Domnick Hunter	E025AA	6IF10-046 X 1	
Domnick Hunter	E040AA	6IF20-063 X 1	
Domnick Hunter	E085AA	6IF20-102 X 1	
Domnick Hunter	E195AA	6IF25-134 X 1	
Domnick Hunter	E295AA	6IF25-254 X 1	
Domnick Hunter	E400AA	6CF35-165 X 1	
Domnick Hunter	E500AA	6CF43-252 X 1	
Domnick Hunter	E620AA	6CF35-251 X 1	
Domnick Hunter	EP1001AO	6QP19-098 X 2	
Domnick Hunter	EZ1030AA	6CZ07-020 X 1	
Domnick Hunter	EZ1050AA	6CZ12-023 X 1	
Domnick Hunter	EZ1070AA	6CZ12-029 X 1	
Domnick Hunter	EZ1140AA	6CZ12-056 X 1	
Domnick Hunter	EZ2010AA	6CZ20-046 X 1	
Domnick Hunter	EZ2020AA	6CZ20-086 X 1	
Domnick Hunter	EZ2030AA	6CZ20-126 X 1	
Domnick Hunter	EZ2050AA	6CZ20-200 X 1	
Domnick Hunter	EZ3050AA	6CZ27-200 X 1	
Domnick Hunter	EZ3075AA	6CZ27-298 X 1	
Domnick Hunter	EZ5060AA	6CZ46-239 X 1	
Domnick Hunter	EZ5075AA	6CZ50-298 X 1	
Domnick Hunter	K145AA	6IF20-102 X 1	
Domnick Hunter	K220AA	6IF25-134 X 1	
Domnick Hunter	K330AA	6IF25-254 X 1	
Domnick Hunter	K430AA	6CF35-165 X 1	

General Purpose Filters

Domnick Hunter	E006AO	10CF08-026 X 1	
Domnick Hunter	E013AO	10IF10-032 X 1	
Domnick Hunter	E025AO	10IF10-046 X 1	
Domnick Hunter	E040AO	10IF20-063 X 1	
Domnick Hunter	E085AO	10IF20-102 X 1	
Domnick Hunter	E195AO	10IF25-134 X 1	
Domnick Hunter	E295AO	10IF25-254 X 1	
Domnick Hunter	E400AO	10CF35-165 X 1	
Domnick Hunter	E500AO	10CF43-252 X 1	
Domnick Hunter	E620AO	10CF35-251 X 1	
Domnick Hunter	EZ1030AO	10CZ07-020 X 1	
Domnick Hunter	EZ1050AO	10CZ12-023 X 1	
Domnick Hunter	EZ1070AO	10CZ12-029 X 1	

Par-Fit
Conversion
Elements

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Domnick Hunter	EZ1140AO	10CZ12-056 X 1	
Domnick Hunter	EZ2010AO	10CZ20-046 X 1	
Domnick Hunter	EZ2020AO	10CZ20-086 X 1	
Domnick Hunter	EZ2030AO	10CZ20-126 X 1	
Domnick Hunter	EZ2050AO	10CZ20-200 X 1	
Domnick Hunter	EZ3050AO	10CZ27-200 X 1	
Domnick Hunter	EZ3075AO	10CZ27-298 X 1	
Domnick Hunter	EZ5060AO	10CZ46-239 X 1	
Domnick Hunter	EZ5075AO	10CZ50-298 X 1	
Domnick Hunter	K145AO	10IF20-102 X 1	
Domnick Hunter	K220AO	10IF25-134 X 1	
Domnick Hunter	K330AO	10IF25-254 X 1	
Domnick Hunter	K430AO	10CF35-165 X 1	
Particulate Filters			
Domnick Hunter	EP1001PL	3PP19-098 X 2	
Domnick Hunter	PF 02/05	12GJN08-024 X 1	
Domnick Hunter	PF 03/05	12GJN08-030 X 1	
Domnick Hunter	PF 03/10	3PJN10-030 X 1	
Domnick Hunter	PF 04/10	3PJN10-040 X 1	
Domnick Hunter	PF 04/20	3PJN13-040 X 1	
Domnick Hunter	PF 05/20	3PJN13-050 X 1	
Domnick Hunter	PF 05/25	3PJN15-050 X 1	
Domnick Hunter	PF 07/25	3PJN15-070 X 1	
Domnick Hunter	PF 07/30	3PJN25-070 X 1	
Domnick Hunter	PF 10/30	3PJN25-100 X 1	
Domnick Hunter	PF 15/30	3PGN25-150 X 1	
Domnick Hunter	PF 20/30	3PGN25-200 X 1	
Domnick Hunter	PF 30/30	3PGN25-300 X 1	
Domnick Hunter	PF 30/50	3PGN43-300 X 1	
Oil Vapor & Odor Removal			
Domnick Hunter	AC 02/05	AJN08-024 X 1	
Domnick Hunter	AC 03/05	AJN08-030 X 1	
Domnick Hunter	AC 03/10	AJN10-030 X 1	
Domnick Hunter	AC 04/10	AJN10-040 X 1	
Domnick Hunter	AC 04/20	AJN13-040 X 1	
Domnick Hunter	AC 05/20	AJN13-050 X 1	
Domnick Hunter	AC 05/25	AJN15-050 X 1	
Domnick Hunter	AC 07/25	AJN15-070 X 1	
Domnick Hunter	AC 07/30	AJN25-070 X 1	
Domnick Hunter	AC 10/30	AJN25-100 X 1	
Domnick Hunter	AC 15/30	AGN25-150 X 1	
Domnick Hunter	AC 20/30	AGN25-200 X 1	
Domnick Hunter	AC 30/30	AGN25-300 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Domnick Hunter	AC 30/50	AGN43-300 X 1	
Domnick Hunter	AC10/3	AJ25-100 X 1	
Domnick Hunter	AC15/3	AG25-150 X 1	
Domnick Hunter	AC20/3	AG25-200 X 1	
Domnick Hunter	AC3/1	AJ10-030 X 1	
Domnick Hunter	AC3/1.5	AJ13-030 X 1	
Domnick Hunter	AC30/3	AG25-300 X 1	
Domnick Hunter	AC30/5	AG43-300 X 1	
Domnick Hunter	AC4/1.5	AJ13-044 X 1	
Domnick Hunter	AC4/2.5	AJ15-040 X 1	
Domnick Hunter	AC5/2.5	AJN15-050 X 1	
Domnick Hunter	AC5/3	AJ25-050 X 1	
Domnick Hunter	E006AC	AF08-026 X 1	
Domnick Hunter	E013AC	AF10-032 X 1	
Domnick Hunter	E025AC	AF10-046 X 1	
Domnick Hunter	E040AC	AF20-063 X 1	
Domnick Hunter	E085AC	AF20-102 X 1	
Domnick Hunter	E195AC	AF25-134 X 1	
Domnick Hunter	E295AC	AF25-254 X 1	
Domnick Hunter	E400AC	AF35-165 X 1	
Domnick Hunter	E500AC	AF43-252 X 1	
Domnick Hunter	E620AC	AF35-251 X 1	
Domnick Hunter	EZ1030AC	AZ07-020 X 1	
Domnick Hunter	EZ1050AC	AZ12-023 X 1	
Domnick Hunter	EZ1070AC	AZ12-029 X 1	
Domnick Hunter	EZ1140AC	AZ12-056 X 1	
Domnick Hunter	EZ2010AC	AZ20-046 X 1	
Domnick Hunter	EZ2020AC	AZ20-086 X 1	
Domnick Hunter	EZ2030AC	AZ20-126 X 1	
Domnick Hunter	EZ2050AC	AZ20-200 X 1	
Domnick Hunter	EZ3050AC	AZ27-200 X 1	
Domnick Hunter	EZ3075AC	AZ27-298 X 1	
Domnick Hunter	EZ5060AC	AZ46-239 X 1	
Domnick Hunter	EZ5075AC	AZ50-298 X 1	
Domnick Hunter	K145ACS	AF20-102 X 1	
Domnick Hunter	K220ACS	AF25-134 X 1	
Domnick Hunter	K330ACS	AF25-254 X 1	
Domnick Hunter	K430ACS	AF35-165 X 1	
Trouble Shooter (High Temp)			
Domnick Hunter	K330AATS	6DF25-254 X 1	
Domnick Hunter	K330AOTS	10DF25-254 X 1	
Filterite			
Coalescer (Reverse Duo-Fine)			
Filterite	10" Element	6CP15-100 X 2	
Filterite	20" Element	6CP15-198 X 2	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Particulate 3 Micron (Duo-Fine Afterfilter)			
Filterite	10" Element	3PP15-100 X 2	
Filterite	20" Element	3PP15-198 X 2	
Note: Do not use '3P' elements on liquid applications.			
Adsorber (Micro-Carbon - A)			
Filterite	10" Element	AP15-100 X 2	
Filterite	20" Element	AP15-198 X 2	
Filtersoft			
Filtersoft	F05013VE-T	10G04-013 X 10	
Filtersoft	F05013VE-W	10H04-013 X 10	
Filtersoft	F05013WE-T	8T04-013 X 10	
Filtersoft	F05013WE-W	8H04-013 X 10	
Filtersoft	F05013XE-T	6G04-013 X 10	
Filtersoft	F05013XE-W	6H04-013 X 10	
Filtersoft	F05023VE-T	10G04-023 X 10	
Filtersoft	F05023VE-W	10H04-023 X 10	
Filtersoft	F05023VH-TB	10T04-023 X 10	
Filtersoft	F05023WE-T	8T04-023 X 10	
Filtersoft	F05023WE-W	8H04-023 X 10	
Filtersoft	F05023XE-T	6G04-023 X 10	
Filtersoft	F05023XE-W	6H04-023 X 10	
Filtersoft	F05023XH-TB	6T04-023 X 10	
Filtersoft	F07013QE-CU	14JU07-013 X 10	
Filtersoft	F10020QE-CU	14JU10-020 X 10	
Filtersoft	F10020VE-W	10H10-020 X 8	
Filtersoft	F10020XE-W	6H10-020 X 8	
Filtersoft	F10025VE-T	10G10-025 X 10	
Filtersoft	F10025VE-W	10H10-025 X 8	
Filtersoft	F10025VH-TB	10T10-025 X 10	
Filtersoft	F10025WE-T	8T10-025 X 10	
Filtersoft	F10025WE-W	8H10-025 X 8	
Filtersoft	F10025XE-T	6G10-025 X 10	
Filtersoft	F10025XE-W	6H10-025 X 8	
Filtersoft	F10025XH-TB	6T10-025 X 10	
Filtersoft	F10050VE-W	10H10-050 X 4	
Filtersoft	F10050WE-W	8H10-050 X 4	
Filtersoft	F10050XE-W	6H10-050 X 4	
Filtersoft	F10070VE-T	10G10-070 X 10	
Filtersoft	F10070VE-W	10H10-070 X 4	
Filtersoft	F10070VH-TB	10T10-070 X 10	
Filtersoft	F10070WE-T	8T10-070 X 10	
Filtersoft	F10070WE-W	8H10-070 X 4	
Filtersoft	F10070XE-T	6G10-070 X 10	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	F10070XE-W	6H10-070 X 4	
Filtersoft	F10070XH-TB	6T10-070 X 10	
Filtersoft	F15043QE-CU	14JU15-043 X 10	
Filtersoft	F15060AU	AB15-060 X 4	
Filtersoft	F15060AU	AU15-060 X 4	
Filtersoft	F15060VE-T	10G15-060 X 10	
Filtersoft	F15060VE-W	10H15-060 X 4	
Filtersoft	F15060WE-W	8H15-060 X 4	
Filtersoft	F15060XE-T	6G15-060 X 10	
Filtersoft	F15060XE-W	6H15-060 X 4	
Filtersoft	F20035VE-W	10H20-035 X 4	
Filtersoft	F20035WE-W	8H20-035 X 4	
Filtersoft	F20035XE-W	6H20-035 X 4	
Filtersoft	F20090AU	AB15-084 X 2	
Filtersoft	F20090VE-T	10G20-090 X 10	
Filtersoft	F20090VE-W	10H20-090 X 2	
Filtersoft	F20090WE-W	8H20-090 X 2	
Filtersoft	F20090XE-T	6G20-090 X 10	
Filtersoft	F20090XE-W	6H20-090 X 2	
Filtersoft	F20187AU	AP15-180 X 2	
Filtersoft	F20187VE-T	10G20-187 X 10	
Filtersoft	F20187VE-W	10H20-187 X 1	
Filtersoft	F20187WE-W	8H20-187 X 1	
Filtersoft	F20187XE-T	6G20-187 X 10	
Filtersoft	F20187XE-W	6H20-187 X 1	
Filtersoft	F20198AU	AP15-198 X 2	
Filtersoft	F26075QE-CU	14JU26-075 X 4	
Filtersoft	F26120QE-CU	14JU26-120 X 4	
Filtersoft	F26240QE-CU	14JU26-240 X 4	
Filtersoft	FA1030AP-AB	AZ07-020 X 1	
Filtersoft	FA1030K-CB	3PZ07-020 X 1	
Filtersoft	FA1030WE-CB	10CZ07-020 X 1	
Filtersoft	FA1030XE-CB	8CZ07-020 X 1	
Filtersoft	FA1030YE-CB	6CZ07-020 X 1	
Filtersoft	FA1050AP-AB	AZ12-023 X 1	
Filtersoft	FA1050K-CB	3PZ12-023 X 1	
Filtersoft	FA1050WE-CB	10CZ12-023 X 1	
Filtersoft	FA1050XE-CB	8CZ12-023 X 1	
Filtersoft	FA1050YE-CB	6CZ12-023 X 1	
Filtersoft	FA1070AP-AB	AZ12-029 X 1	
Filtersoft	FA1070K-CB	3PZ12-029 X 1	
Filtersoft	FA1070WE-CB	10CZ12-029 X 1	
Filtersoft	FA1070XE-CB	8CZ12-029 X 1	
Filtersoft	FA1070YE-CB	6CZ12-029 X 1	
Filtersoft	FA1140AP-AB	AZ12-056 X 1	

Par-Fit Conversion Elements

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FA1140K-CB	3PZ12-056 X 1	
Filtersoft	FA1140WE-CB	10CZ12-056 X 1	
Filtersoft	FA1140XE-CB	8CZ12-056 X 1	
Filtersoft	FA1140YE-CB	6CZ12-056 X 1	
Filtersoft	FA2010AP-AB	AZ20-046 X 1	
Filtersoft	FA2010K-CB	3PZ20-046 X 1	
Filtersoft	FA2010WE-CB	10CZ20-046 X 1	
Filtersoft	FA2010XE-CB	8CZ20-046 X 1	
Filtersoft	FA2010YE-CB	6CZ20-046 X 1	
Filtersoft	FA2020AP-AB	AZ20-086 X 1	
Filtersoft	FA2020K-CB	3PZ20-086 X 1	
Filtersoft	FA2020WE-CB	10CZ20-086 X 1	
Filtersoft	FA2020XE-CB	8CZ20-086 X 1	
Filtersoft	FA2020YE-CB	6CZ20-086 X 1	
Filtersoft	FA2030AP-AB	AZ20-126 X 1	
Filtersoft	FA2030K-CB	3PZ20-126 X 1	
Filtersoft	FA2030WE-CB	10CZ20-126 X 1	
Filtersoft	FA2030XE-CB	8CZ20-126 X 1	
Filtersoft	FA2030YE-CB	6CZ20-126 X 1	
Filtersoft	FA2050AP-AB	AZ20-200 X 1	
Filtersoft	FA2050K-CB	3PZ20-200 X 1	
Filtersoft	FA2050WE-CB	10CZ20-200 X 1	
Filtersoft	FA2050XE-CB	8CZ20-200 X 1	
Filtersoft	FA2050YE-CB	6CZ20-200 X 1	
Filtersoft	FA3050AP-AB	AZ27-200 X 1	
Filtersoft	FA3050K-CB	3PZ27-200 X 1	
Filtersoft	FA3050WE-CB	10CZ27-200 X 1	
Filtersoft	FA3050XE-CB	8CZ27-200 X 1	
Filtersoft	FA3050YE-CB	6CZ27-200 X 1	
Filtersoft	FA3075AP-AB	AZ27-298 X 1	
Filtersoft	FA3075K-CB	3PZ27-298 X 1	
Filtersoft	FA3075WE-CB	10CZ27-298 X 1	
Filtersoft	FA3075XE-CB	8CZ27-298 X 1	
Filtersoft	FA3075YE-CB	6CZ27-298 X 1	
Filtersoft	FA5075AP-AB	AZ50-298 X 1	
Filtersoft	FA5075K-CB	3PZ50-298 X 1	
Filtersoft	FA5075WE-CB	10CZ50-298 X 1	
Filtersoft	FA5075XE-CB	8CZ50-298 X 1	
Filtersoft	FA5075YE-CB	6CZ50-298 X 1	
Filtersoft	FB302VE-CB	8CF20-099 X 2	
Filtersoft	FB303VE-CB	8CF20-147 X 1	
Filtersoft	FB304VE-CB	8CF20-197 X 1	
Filtersoft	FE006AAAYE-CB	6CF08-026 X 1	
Filtersoft	FE006AOVE-CBM	10CF08-026 X 1	
Filtersoft	FE013AAAYE-CB	6IF10-032 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FE013AOVE-CBM	10IF10-032 X 1	
Filtersoft	FE025AAAYE-CB	6IF10-046 X 1	
Filtersoft	FE025AOVE-CBM	10IF10-046 X 1	
Filtersoft	FE040AAAYE-CB	6IF20-063 X 1	
Filtersoft	FE040AOVE-CBM	10IF20-063 X 1	
Filtersoft	FE085AAAYE-CB	6IF20-102 X 1	
Filtersoft	FE085AOVE-CBM	10IF20-102 X 1	
Filtersoft	FE195AAAYE-CB	6IF25-134 X 1	
Filtersoft	FE195AC-AB	AF25-134 X 1	
Filtersoft	FE195AOVE-CBM	10IF25-134 X 1	
Filtersoft	FE295AAAYE-CB	6IF25-254 X 1	
Filtersoft	FE295AC-AB	AF25-254 X 1	
Filtersoft	FE295AOVE-CBM	10IF25-254 X 1	
Filtersoft	FE400AAAYE-CB	6CF35-165 X 1	
Filtersoft	FE400AC-AB	AF35-165 X 1	
Filtersoft	FE400AOVE-CBM	10CF35-165 X 1	
Filtersoft	FE500AAAYE-CB	6CF43-252 X 1	
Filtersoft	FE500AC-AB	AF43-252 X 1	
Filtersoft	FE500AOVE-CBM	10CF43-252 X 1	
Filtersoft	FH71311YE-CB	6CH25-260 X 1	
Filtersoft	FH7139YE-CB	6CH25-260 X 1	
Filtersoft	FH71511-AB	AH25-260 X 1	
Filtersoft	FH7159-AB	AH25-260 X 1	
Filtersoft	FH7319VE-CB	10CH25-260 X 1	
Filtersoft	FI1306XE-C	6C85-250 X 1	
Filtersoft	FI1355XE-C	6C85-250 X 1	
Filtersoft	FI1645XE-C	6C85-360 X 1	
Filtersoft	FI1777XE-C	6C85-360 X 1	
Filtersoft	FN10DXE-CB	6IR04-019 X 4	
Filtersoft	FN20DXE-CB	6IR08-019 X 4	
Filtersoft	FN30DXE-CB	6IR10-034 X 4	
Filtersoft	FP14051J-PB	3PP14-051 X 4	
Filtersoft	FP14051XE-CB	6QP14-051 X 4	
Filtersoft	FP19098J-PU	3PP19-098 X 2	
Filtersoft	FP19098VH-RS	10DP19-098 X 2	
Filtersoft	FP19098VH-RSI	10DPS19-098 X 2	
Filtersoft	FP19098XE-CU	6QP19-098 X 2	
Filtersoft	FP19098XE-DB	6QP19-098 X 2	
Filtersoft	FP19098XK-CB	6QP19-098 X 2	
Filtersoft	FP19198J-PU	3PP19-198 X 2	
Filtersoft	FP19198VH-RS	10DP19-198 X 2	
Filtersoft	FP19198VH-RSI	10DPS19-198 X 2	
Filtersoft	FP19198XE-CU	6QP19-198 X 2	
Filtersoft	FP19198XE-DB	6QP19-198 X 2	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FP19298XE-CU	6QP19-298 X 1	
Filtersoft	FP19298XE-DB	6QP19-298 X 1	
Filtersoft	FP26132J-PU	3PP26-132 X 2	
Filtersoft	FP26132VH-RS	10DP26-132 X 2	
Filtersoft	FP26132XK-CBI	6QP28-132 X 2	
Filtersoft	FP26132XK-CU	6QP28-132 X 2	
Filtersoft	FP26132XK-CUI	6QPS28-132 X 2	
Filtersoft	FP26265J-PU	3PP26-265 X 1	
Filtersoft	FP26265VH-RS	10DP26-265 X 1	
Filtersoft	FP26265XK-CU	6QP28-265 X 1	
Filtersoft	FP30142J-PB	3PP30-143 X 1	
Filtersoft	FP30142J-PBI	3PP30-143 X 1	
Filtersoft	FP30142VH-RV	10DP30-143 X 1	
Filtersoft	FP30142VH-RVI	10DPS30-143 X 1	
Filtersoft	FP30142XE-CB	6QP30-143 X 1	
Filtersoft	FP30142XE-CBI	6QPS30-143 X 1	
Filtersoft	FP30295J-PB	3PP30-295 X 1	
Filtersoft	FP30295J-PBI	3PP30-295 X 1	
Filtersoft	FP30295VH-RV	10DP30-295 X 1	
Filtersoft	FP30295VH-RVI	10DPS30-295 X 1	
Filtersoft	FP30295XE-CB	6QP30-295 X 1	
Filtersoft	FP30295XE-CBI	6QPS30-295 X 1	
Filtersoft	FS1357YE-CB	6CJ25-120 X 2	
Filtersoft	FS1358YE-CB	6CJ25-120 X 2	
Filtersoft	FS1359YE-CB	6CJ25-240 X 1	
Filtersoft	FS1360YE-CB	6CJ25-240 X 1	
Filtersoft	FS1361YE-CB	6CJ25-240 X 1	
Filtersoft	FS1362YE-CB	6CJ25-240 X 1	
Filtersoft	FS1367YE-CB	6CJ25-240 X 1	
Filtersoft	FS1368YE-CB	6CJ25-240 X 1	
Filtersoft	FS1370-AB	AJ25-240 X 1	
Filtersoft	FS1372-AB	AJ25-120 X 2	
Filtersoft	FS1373-AB	AJ25-120 X 2	
Filtersoft	FS1375-AB	AJ25-240 X 1	
Filtersoft	FS1377-AB	AJ25-240 X 1	
Filtersoft	FS1378-AB	AJ25-240 X 1	
Filtersoft	FS1379-AB	AJ25-240 X 1	
Filtersoft	FS1407YE-CB	6CJ25-120 X 2	
Filtersoft	FS1408YE-CB	6CJ25-240 X 1	
Filtersoft	FS1412-AB	AJ25-120 X 2	
Filtersoft	FS1413-AB	AJ25-240 X 1	
Filtersoft	FS1413YE-CB	6CJ25-240 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FS1418-AB	AJ25-240 X 1	
Filtersoft	FS5025-AB	AJ25-240 X 1	
Filtersoft	FS5027-AB	AJ25-240 X 1	
Filtersoft	FUF0205WE-CB	10HJN08-024 X 1	
Filtersoft	FUF0305WE-CB	10HJN08-030 X 1	
Filtersoft	FUF0310WE-CB	10CJN10-030 X 1	
Filtersoft	FUF0410WE-CB	10CJN10-040 X 1	
Filtersoft	FUF0420WE-CB	10CJN13-040 X 1	
Filtersoft	FUF0520WE-CB	10CJN13-050 X 1	
Filtersoft	FUF0525WE-CB	10IJN15-050 X 1	
Filtersoft	FUF0725WE-CB	10IJN15-070 X 1	
Filtersoft	FUF0730WE-CB	10IJN25-070 X 1	
Filtersoft	FUF1030WE-CB	10IJN25-100 X 1	
Filtersoft	FUF103WE-CB	10IJ25-100 X 1	
Filtersoft	FUF1530WE-CB	10IGN25-150 X 1	
Filtersoft	FUF153WE-CB	10IG25-150 X 1	
Filtersoft	FUF2030WE-CB	10IGN25-200 X 1	
Filtersoft	FUF203WE-CB	10IG25-200 X 1	
Filtersoft	FUF3030WE-CB	10IGN25-300 X 1	
Filtersoft	FUF303WE-CB	10IG25-300 X 1	
Filtersoft	FUF3050WE-CB	10QGN43-300 X 1	
Filtersoft	FUF305WE-CB	10QG43-300 X 1	
Filtersoft	FUF315WE-CB	10CJ13-030 X 1	
Filtersoft	FUF31WE-CB	10CJ10-030 X 1	
Filtersoft	FUF415WE-CB	10CJ13-044 X 1	
Filtersoft	FUF425WE-CB	10IJ15-040 X 1	
Filtersoft	FUF525WE-CB	10IJN15-050 X 1	
Filtersoft	FUF53WE-CB	10IJ25-050 X 1	
Filtersoft	FUK0205-AB	AJN08-024 X 1	
Filtersoft	FUK0305-AB	AJN08-030 X 1	
Filtersoft	FUK0310-AB	AJN10-030 X 1	
Filtersoft	FUK0410-AB	AJN10-040 X 1	
Filtersoft	FUK0420-AB	AJN13-040 X 1	
Filtersoft	FUK0520-AB	AJN13-050 X 1	
Filtersoft	FUK0525-AB	AJN15-050 X 1	
Filtersoft	FUK0725-AB	AJN15-070 X 1	
Filtersoft	FUK0730-AB	AJN25-070 X 1	
Filtersoft	FUK103-AB	AJ25-100 X 1	
Filtersoft	FUK1030-AB	AJN25-100 X 1	
Filtersoft	FUK153-AB	AG25-150 X 1	
Filtersoft	FUK1530-AB	AGN25-150 X 1	
Filtersoft	FUK203-AB	AG25-200 X 1	
Filtersoft	FUK2030-AB	AGN25-200 X 1	
Filtersoft	FUK303-AB	AG25-300 X 1	
Filtersoft	FUK3030-AB	AGN25-300 X 1	

Par-Fit
Conversion
Elements

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FUK305-AB	AG43-300 X 1	
Filtersoft	FUK3050-AB	AGN43-300 X 1	
Filtersoft	FUK31-AB	AJ10-030 X 1	
Filtersoft	FUK315-AB	AJ13-030 X 1	
Filtersoft	FUK415-AB	AJ13-044 X 1	
Filtersoft	FUK425-AB	AJ15-040 X 1	
Filtersoft	FUK525-AB	AJN15-050 X 1	
Filtersoft	FUK53-AB	AJ25-050 X 1	
Filtersoft	FUM0205XE-CB	6HJN08-024 X 1	
Filtersoft	FUM0305XE-CB	6HJN08-030 X 1	
Filtersoft	FUM0310XE-CB	6CJN10-030 X 1	
Filtersoft	FUM0410XE-CB	6CJN10-040 X 1	
Filtersoft	FUM0420XE-CB	6CJN13-040 X 1	
Filtersoft	FUM0520XE-CB	6CJN13-050 X 1	
Filtersoft	FUM0525XE-CB	6IJN15-050 X 1	
Filtersoft	FUM0725XE-CB	6IJN15-070 X 1	
Filtersoft	FUM0730XE-CB	6IJN25-070 X 1	
Filtersoft	FUM1030XE-CB	6IJN25-100 X 1	
Filtersoft	FUM103XE-CB	6IJ25-100 X 1	
Filtersoft	FUM1530XE-CB	6IGN25-150 X 1	
Filtersoft	FUM153XE-CB	6IG25-150 X 1	
Filtersoft	FUM2030XE-CB	6IGN25-200 X 1	
Filtersoft	FUM203XE-CB	6IG25-200 X 1	
Filtersoft	FUM3030XE-CB	6IGN25-300 X 1	
Filtersoft	FUM303XE-CB	6IG25-300 X 1	
Filtersoft	FUM3050XE-CB	6QGN43-300 X 1	
Filtersoft	FUM305XE-CB	6QGN43-300 X 1	
Filtersoft	FUM305XE-CB	6QG43-300 X 1	
Filtersoft	FUM315XE-CB	6CJ13-030 X 1	
Filtersoft	FUM31XE-CB	6CJ10-030 X 1	
Filtersoft	FUM415XE-CB	6CJ13-044 X 1	
Filtersoft	FUM425XE-CB	6IJ15-040 X 1	
Filtersoft	FUM525XE-CB	6IJN15-050 X 1	
Filtersoft	FUM53XE-CB	6IJ25-050 X 1	
Filtersoft	FUS0205YE-CB	4HJN08-024 X 1	
Filtersoft	FUS0305YE-CB	4HJN08-030 X 1	
Filtersoft	FUS0310YE-CB	4CJN10-030 X 1	
Filtersoft	FUS0410YE-CB	4CJN10-040 X 1	
Filtersoft	FUS0420YE-CB	4CJN13-040 X 1	
Filtersoft	FUS0520YE-CB	4CJN13-050 X 1	
Filtersoft	FUS0525YE-CB	4IJN15-050 X 1	
Filtersoft	FUS0725YE-CB	4IJN15-070 X 1	
Filtersoft	FUS0730YE-CB	4IJN25-070 X 1	
Filtersoft	FUS1030YE-CB	4IJN25-100 X 1	
Filtersoft	FUS103YE-CB	4IJ25-100 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FUS1530YE-CB	4IGN25-150 X 1	
Filtersoft	FUS153YE-CB	4IG25-150 X 1	
Filtersoft	FUS2030YE-CB	4IGN25-200 X 1	
Filtersoft	FUS203YE-CB	4IG25-200 X 1	
Filtersoft	FUS3030YE-CB	4IGN25-300 X 1	
Filtersoft	FUS303YE-CB	4IG25-300 X 1	
Filtersoft	FUS3050YE-CB	4QGN43-300 X 1	
Filtersoft	FUS305YE-CB	4QG43-300 X 1	
Filtersoft	FUS315YE-CB	4CJ13-030 X 1	
Filtersoft	FUS31YE-CB	4CJ10-030 X 1	
Filtersoft	FUS415YE-CB	4CJ13-044 X 1	
Filtersoft	FUS425YE-CB	4IJ15-040 X 1	
Filtersoft	FUS525YE-CB	4IJN15-050 X 1	
Filtersoft	FUS53YE-CB	4IJ25-050 X 1	
Filtersoft	FV1500VE-CB	10ICC25-240 X 1	
Filtersoft	FV1500VE-SBM	10DC25-240 X 1	
Filtersoft	FV1500VH-SBM	10DC25-240 X 1	
Filtersoft	FV1500XE-CB	8ICC25-240 X 1	
Filtersoft	FV1500XE-SBM	8DC25-240 X 1	
Filtersoft	FV1500ZE-CB	6ICC25-240 X 1	
Filtersoft	FV1500ZE-SBM	6DC25-240 X 1	
Filtersoft	FV15XE-CB2	6CC15-150 X 2	
Filtersoft	FV15ZE-CB2	2CC15-150 X 2	
Filtersoft	FV1625VE-CB	10ICC25-300 X 1	
Filtersoft	FV1625VE-SBM	10DC25-300 X 1	
Filtersoft	FV1625VH-SBM	10DC25-300 X 1	
Filtersoft	FV1625XE-CB	8ICC25-300 X 1	
Filtersoft	FV1625XE-SBM	8DC25-300 X 1	
Filtersoft	FV1625ZE-CB	6ICC25-300 X 1	
Filtersoft	FV1625ZE-SBM	6DC25-300 X 1	
Filtersoft	FV22XE-CB	6ICC25-220 X 1	
Filtersoft	FV22ZE-CB	2ICC25-220 X 1	
Filtersoft	FV860XE-CB	6CC15-060 X 2	
Filtersoft	FV860ZE-CB	2CC15-060 X 2	
Filtersoft	FV8XE-CB	6CC15-080 X 2	
Filtersoft	FV8ZE-CB	2CC15-080 X 2	
Filtersoft	FVKE15H-RSA	10DC15-150 X 2	
Filtersoft	FVKE15J-PB	3PC15-150 X 2	
Filtersoft	FVKE22H-RSA	10DC25-220 X 1	
Filtersoft	FVKE22J-PB	3PCC25-220 X 1	
Filtersoft	FVKE6J-PB	3PC15-080 X 2	
Filtersoft	FVKEJ-PB	3PC15-060 X 2	
Filtersoft	FW532-AS	AK15-052 X 4	
Filtersoft	FW534-AB	AK25-238 X 1	
Filtersoft	FW535-AB	AL25-063 X 2	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FW538-AB	AK35-074 X 2	
Filtersoft	FW540-AB	AL10-024 X 4	
Filtersoft	FW548YE-CB	6HL10-021 X 4	
Filtersoft	FW549YE-CB	6CL10-024 X 4	
Filtersoft	FW550YE-CB	6CU10-052 X 4	
Filtersoft	FW551YE-CS	6CK15-052 X 4	
Filtersoft	FW552YE-CB	6CL25-063 X 2	
Filtersoft	FW553YE-CB	6CK35-074 X 2	
Filtersoft	FW554YE-CB	6CK25-119 X 2	
Filtersoft	FW555YE-CB	6CK25-238 X 1	
Filtersoft	FW556WE-CB	8CK25-119 X 2	
Filtersoft	FW557WE-CB	8CK25-238 X 1	
Filtersoft	FW558-AB	AK25-080 X 2	
Filtersoft	FW559YE-CB	6CK25-080 X 2	
Filtersoft	FW560YE-CBA	6CK35-074 X 2	
Filtersoft	FW561YE-CBA	6CK35-106 X 1	
Filtersoft	FW562YE-CBA	6CK35-172 X 1	
Filtersoft	FW563-ABA	AK35-074 X 2	
Filtersoft	FW564-ABA	AK35-106 X 1	
Filtersoft	FW565-ABA	AK35-172 X 1	
Filtersoft	FW874WE-CBA	8CK35-074 X 2	
Filtersoft	FW875WE-CBA	8CK35-106 X 1	
Filtersoft	FW876WE-CBA	8CK35-172 X 1	
Filtersoft	FW988WE-CB	8HL10-021 X 4	
Filtersoft	FW989WE-CB	8CL10-024 X 4	
Filtersoft	FW992WE-CS	8CK15-052 X 4	

Filtersoft (Elements that require kits)

Filtersoft	FH7132YE-CB	6CM10-025 X 8	KX-21
Filtersoft	FH7133YE-CB	6CM10-050 X 4	KX-22
Filtersoft	FH7134YE-CB	6CM15-060 X 4	KX-23
Filtersoft	FH7135YE-CB	6CM15-095 X 2	KX-24
Filtersoft	FH7136YE-CB	6CM15-185 X 2	KX-25
Filtersoft	FH7137YE-CB	6CU25-187 X 1	KX-2
Filtersoft	FH7138YE-CB	6CU25-187 X 1	KX-2
Filtersoft	FH7152-AB	AM10-025 X 8	KX-21
Filtersoft	FH7153-AB	AM10-050 X 4	KX-22
Filtersoft	FH7154-AB	AM15-060 X 4	KX-23
Filtersoft	FH7155-AB	AM15-095 X 2	KX-24
Filtersoft	FH7156-AB	AM15-185 X 2	KX-25
Filtersoft	FH7157-AB	AU25-187 X 1	KX-2
Filtersoft	FH7158-AB	AU25-187 X 1	KX-2
Filtersoft	FH7313VE-CB	10CM10-025 X 8	KX-21
Filtersoft	FH7314VE-CB	10CM10-050 X 4	KX-22
Filtersoft	FH7315VE-CB	10CM15-060 X 4	KX-23
Filtersoft	FH7316VE-CB	10CM15-095 X 1	KX-24

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Filtersoft	FH7317VE-CB	10CM15-185 X 2	KX-25
Filtersoft	FH7318VE-CB	10CU25-187 X 1	KX-2
Note: Kits are required for initial conversion only.			
Flair			
Flair	DH006AA	6CF08-026 X 1	
Flair	DH006AC	AF08-026 X 1	
Flair	DH006AO	10CF08-026 X 1	
Flair	DH013AA	6IF10-032 X 1	
Flair	DH013AC	AF10-032 X 1	
Flair	DH013AO	10IF10-032 X 1	
Flair	DH025AA	6IF10-046 X 1	
Flair	DH025AC	AF10-046 X 1	
Flair	DH025AO	10IF10-046 X 1	
Flair	DH040AA	6IF20-063 X 1	
Flair	DH040AC	AF20-063 X 1	
Flair	DH040AO	10IF20-063 X 1	
Flair	DH085AA	6IF20-102 X 1	
Flair	DH085AC	AF20-102 X 1	
Flair	DH085AO	10IF20-102 X 1	
Flair	DH195AA	6IF25-134 X 1	
Flair	DH195AC	AF25-134 X 1	
Flair	DH195AO	10IF25-134 X 1	
Flair	DH295AA	6IF25-254 X 1	
Flair	DH295AC	AF25-254 X 1	
Flair	DH295AO	10IF25-254 X 1	
Flair	DH400AA	6CF35-165 X 1	
Flair	DH400AC	AF35-165 X 1	
Flair	DH400AO	10CF35-165 X 1	
Flair	DH500AA	6CF43-252 X 1	
Flair	DH500AC	AF43-252 X 1	
Flair	DH500AO	10CF43-252 X 1	
Flair	HK71311C	6CH25-260 X 1	
Flair	HK7319P	10CH25-260 X 1	
Flair	UFAK0205	AJN08-024 X 1	
Flair	UFAK0305	AJN08-030 X 1	
Flair	UFAK0310	AJN10-030 X 1	
Flair	UFAK0410	AJN10-040 X 1	
Flair	UFAK0420	AJN13-040 X 1	
Flair	UFAK0520	AJN13-050 X 1	
Flair	UFAK0525	AJN15-050 X 1	
Flair	UFAK0725	AJN15-070 X 1	
Flair	UFAK0730	AJN25-070 X 1	
Flair	UFAK1030	AJN25-100 X 1	
Flair	UFAK1530	AGN25-150 X 1	
Flair	UFAK2030	AGN25-200 X1	

Par-Fit
Conversion
Elements

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Flair	UFAK3030	AGN25-300 X 1	
Flair	UFAK3050	AGN43-300 X 1	
Flair	UFFF0205	10HJN08-024 X 1	
Flair	UFFF0305	10HJN08-030 X 1	
Flair	UFFF0310	10CJN10-030 X 1	
Flair	UFFF0410	10CJN10-040 X 1	
Flair	UFFF0420	10CJN13-040 X 1	
Flair	UFFF0520	10CJN13-050 X 1	
Flair	UFFF0525	10IJN15-050 X 1	
Flair	UFFF0725	10IJN15-070 X 1	
Flair	UFFF0730	10IJN25-070 X 1	
Flair	UFFF1030	10IJN25-100 X 1	
Flair	UFFF1530	10IGN25-150 X 1	
Flair	UFFF2030	10IGN25-200 X 1	
Flair	UFFF3030	10IGN25-300 X 1	
Flair	UFFF3050	10QGN43-300 X 1	
Flair	UFMF0205	6HJN08-024 X 1	
Flair	UFMF0305	6HJN08-030 X 1	
Flair	UFMF0310	6CJN10-030 X 1	
Flair	UFMF0410	6CJN10-040 X 1	
Flair	UFMF0420	6CJN13-040 X 1	
Flair	UFMF0520	6CJN13-050 X 1	
Flair	UFMF0525	6IJN15-050 X 1	
Flair	UFMF0725	6IJN15-070 X 1	
Flair	UFMF0730	6IJN25-070 X 1	
Flair	UFMF1030	6IJN25-100 X 1	
Flair	UFMF1530	6IGN25-150 X 1	
Flair	UFMF2030	6IGN25-200 X 1	
Flair	UFMF3030	6IGN25-300 X 1	
Flair	UFMF3050	6QGN43-300 X 1	
Flair	UFPE0205	12GJN08-024 X 1	
Flair	UFPE0305	12GJN08-030 X 1	
Flair	UFPE0310	3PJN10-030 X 1	
Flair	UFPE0410	3PJN10-040 X 1	
Flair	UFPE0420	3PJN13-040 X 1	
Flair	UFPE0520	3PJN13-050 X 1	
Flair	UFPE0525	3PJN15-050 X 1	
Flair	UFPE0725	3PJN15-070 X 1	
Flair	UFPE0730	3PJN25-070 X 1	
Flair	UFPE1030	3PJN25-100 X 1	
Flair	UFPE1530	3PGN25-150 X 1	
Flair	UFPE2030	3PGN25-200 X 1	
Flair	UFPE3030	3PGN25-300 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Flair	UFPE3050	3PGN43-300 X 1	
Flair	UFSMF0205	4HJN08-024 X 1	
Flair	UFSMF0305	4HJN08-030 X 1	
Flair	UFSMF0310	4CJN10-030 X 1	
Flair	UFSMF0410	4CJN10-040 X 1	
Flair	UFSMF0420	4CJN13-040 X 1	
Flair	UFSMF0520	4CJN13-050 X 1	
Flair	UFSMF0525	4IJN15-050 X 1	
Flair	UFSMF0725	4IJN15-070 X 1	
Flair	UFSMF0730	4IJN25-070 X 1	
Flair	UFSMF1030	4IJN25-100 X 1	
Flair	UFSMF1530	4IGN25-150 X 1	
Flair	UFSMF2030	4IGN25-200 X 1	
Flair	UFSMF3030	4IGN25-300 X 1	
Flair	UFSMF3050	4QGN43-300 X 1	
Flair	VCE15	6CC15-150 X 2	
Flair	VCE22	6ICC25-220 X 1	
Flair	VCE8100	6CC15-080 X 2	
Flair	VCE860	6CC15-060 X 2	
Flair	VCXE15	2CC15-150 X 2	
Flair	VCXE22	2ICC25-220 X 1	
Flair	VCXE8100	2CC15-080 X 2	
Flair	VCXE860	2CC15-060 X 2	
Flair	VE111250B	8ICC25-240 X 1	
Flair	VE11125RB	8DC25-240 X 1	
Flair	VE111265B	8ICC25-300 X 1	
Flair	VE111265RB	8DC25-300 X 1	
Flair	VKE15	3PC15-150 X 2	
Flair	VKE15HT	10DC15-150 X 2	
Flair	VKE22	3PCC25-220 X 1	
Flair	VKE22HT	10DC25-220 X 1	
Flair	VKE6100	3PC15-080 X 2	
Flair	VKE660	3PC15-060 X 2	
Flair	Z1050A	AZ12-023 X 1	
Flair	Z1050V	3PZ12-023 X 1	
Flair	Z1050X	6CZ12-023 X 1	
Flair	Z1050Y	8CZ12-023 X 1	
Flair	Z1050Z	10CZ12-023 X 1	
Flair	Z1070A	AZ12-029 X 1	
Flair	Z1070V	3PZ12-029 X 1	
Flair	Z1070X	6CZ12-029 X 1	
Flair	Z1070Y	8CZ12-029 X 1	
Flair	Z1070Z	10CZ12-029 X 1	
Flair	Z1140A	AZ12-056 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Flair	Z1140V	3PZ12-056 X 1	
Flair	Z1140X	6CZ12-056 X 1	
Flair	Z1140Y	8CZ12-056 X 1	
Flair	Z1140Z	10CZ12-056 X 1	
Flair	Z2010A	AZ20-046 X 1	
Flair	Z2010V	3PZ20-046 X 1	
Flair	Z2010X	6CZ20-046 X 1	
Flair	Z2010Y	8CZ20-046 X 1	
Flair	Z2010Z	10CZ20-046 X 1	
Flair	Z2010Z	10CZ20-046 X 1	
Flair	Z2020A	AZ20-086 X 1	
Flair	Z2020A	AZ20-086 X 1	
Flair	Z2020V	3PZ20-086 X 1	
Flair	Z2020V	3PZ20-086 X 1	
Flair	Z2020X	6CZ20-086 X 1	
Flair	Z2020Y	8CZ20-086 X 1	
Flair	Z2020Z	10CZ20-086 X 1	
Flair	Z2030A	AZ20-126 X 1	
Flair	Z2030V	3PZ20-126 X 1	
Flair	Z2030X	6CZ20-126 X 1	
Flair	Z2030Y	8CZ20-126 X 1	
Flair	Z2030Z	10CZ20-126 X 1	
Flair	Z2050A	AZ20-200 X 1	
Flair	Z2050V	3PZ20-200 X 1	
Flair	Z2050X	6CZ20-200 X 1	
Flair	Z2050Y	8CZ20-200 X 1	
Flair	Z2050Z	10CZ20-200 X 1	
Flair	Z3050A	AZ27-200 X 1	
Flair	Z3050V	3PZ27-200 X 1	
Flair	Z3050X	6CZ27-200 X 1	
Flair	Z3050Y	8CZ27-200 X 1	
Flair	Z3050Z	10CZ27-200 X 1	
Flair	Z3075A	AZ27-298 X 1	
Flair	Z3075V	3PZ27-298 X 1	
Flair	Z3075X	6CZ27-298 X 1	
Flair	Z3075Y	8CZ27-298 X 1	
Flair	Z3075Z	10CZ27-298 X 1	
Flair	Z5075A	AZ50-298 X 1	
Flair	Z5075V	3PZ50-298 X 1	
Flair	Z5075X	6CZ50-298 X 1	
Flair	Z5075Y	8CZ50-298 X 1	
Flair	Z5075Z	10CZ50-298 X 1	
Flair (elements that require kits)			
Flair	HK71312C	6CU25-187 X 1	KX-2

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Flair	HK7132C	6CM10-025 X 8	KX-21
Flair	HK7133C	6CM10-050 X 4	KX-22
Flair	HK7134C	6CM15-060 X 4	KX-23
Flair	HK7135C	6CM15-095 X 2	KX-24
Flair	HK7136C	6CM15-185 X 2	KX-25
Flair	HK7137C	6CU25-187 X 1	KX-2
Flair	HK7313P	10CM10-025 X 8	KX-21
Flair	HK7314P	10CM10-050 X 4	KX-22
Flair	HK7315P	10CM15-060 X 4	KX-23
Flair	HK7316P	10CM15-095 X 2	KX-24
Flair	HK7317P	10CM15-185 X 2	KX-25
Flair	HK7318P	10CU25-187 X 1	KX-2

Note: Kits are required for initial conversion only.

Hankison

Oil Removal

Hankison	0731-3	10CM10-025 X 8	KX-21
Hankison	0731-4	10CM10-050 X 4	KX-22
Hankison	0731-5	10CM15-060 X 4	KX-23
Hankison	0731-6	10CM15-095 X 2	KX-24
Hankison	0731-7	10CM15-185 X 2	KX-25
Hankison	0731-8	10CU25-187 X 1	KX-2
Hankison	0731-9*	10CH25-260 X 1	

Aerolescer

Hankison	0713-11*	6CH25-260 X 1	
Hankison	0713-12*	6CU25-187 X 1	KX-2
Hankison	0713-2	6CM10-025 X 8	KX-21
Hankison	0713-3	6CM10-050 X 4	KX-22
Hankison	0713-4	6CM15-060 X 4	KX-23
Hankison	0713-5	6CM15-095 X 2	KX-24
Hankison	0713-6	6CM15-185 X 2	KX-25
Hankison	0713-7	6CU25-187 X 1	KX-2
Hankison	0713-8	6CU25-187 X 1	KX-2
Hankison	0713-9	6CH25-260 X 1	

Hypersorb

Hankison	0715-11*	AH25-260 X 1	
Hankison	0715-2	AM10-025 X 8	KX-21
Hankison	0715-3	AM10-050 X 4	KX-22
Hankison	0715-4	AM15-060 X 4	KX-23

Par-Fit
Conversion
Elements

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Hankison	0715-5	AM15-095 X 2	KX-24
Hankison	0715-6	AM15-185 X 2	KX-25
Hankison	0715-7	AU25-187 X 1	KX-2
Hankison	0715-8	AU25-187 X 1	KX-2
Hankison	0715-9	AH25-260 X 1	
Notes: Kits are required for initial conversion only.			
*The number of elements required varies based on the vessel.			
AccuMax			
Hankison	0740-4	10DH25-260 X 1	
HF Series Filters			
Oil Vapor Removal Filters			
Hankison	E1-12	AH10-020 X 1	
Hankison	E1-16	AH10-036 X 1	
Hankison	E1-20	AH10-060 X 1	
Hankison	E1-24	AHC16-066 X 1	
Hankison	E1-28	AHC16-108 X 1	
Hankison	E1-32	AHC19-131 X 1	
Hankison	E1-36	AHC19-176 X 1	
Hankison	E1-40	AHC25-204 X 1	
Hankison	E1-44	AHC25-265 X 1	
Hankison	E1-48	AHC25-323 X 1	
Hankison	E1-PV	AH25-260 X 1	
Ultra High Efficiency Oil Removal Filters			
Hankison	E3-12	2CH10-020 X 1	
Hankison	E3-16	2CH10-036 X 1	
Hankison	E3-20	2CH10-060 X 1	
Hankison	E3-24	2CH16-066 X 1	
Hankison	E3-28	2CH16-108 X 1	
Hankison	E3-32	2CH19-131 X 1	
Hankison	E3-36	2CH19-176 X 1	
Hankison	E3-40	2CH25-204 X 1	
Hankison	E3-44	2CH25-265 X 1	
Hankison	E3-48	2CH25-323 X 1	
Hankison	E3-PV	2CH25-260 X 1	
High Efficiency Oil Removal Filters			
Hankison	E5-12	6CH10-020 X 1	
Hankison	E5-16	6CH10-036 X 1	
Hankison	E5-20	6CH10-060 X 1	
Hankison	E5-24	6CH16-066 X 1	
Hankison	E5-28	6CH16-108 X 1	
Hankison	E5-32	6CH19-131 X 1	
Hankison	E5-36	6CH19-176 X 1	
Hankison	E5-40	6CH25-204 X 1	
Hankison	E5-44	6CH25-265 X 1	
Hankison	E5-48	6CH25-323 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Hankison	E5-PV	6CH25-260 X 1	
Air Line Filters			
Hankison	E7-12	10CH10-020 X 1	
Hankison	E7-16	10CH10-036 X 1	
Hankison	E7-20	10CH10-060 X 1	
Hankison	E7-24	10CH16-066 X 1	
Hankison	E7-28	10CH16-108 X 1	
Hankison	E7-32	10CH19-131 X 1	
Hankison	E7-36	10CH19-176 X 1	
Hankison	E7-40	10CH25-204 X 1	
Hankison	E7-44	10CH25-265 X 1	
Hankison	E7-48	10CH25-323 X 1	
Hankison	E7-PV	10CH25-260 X 1	
Separator/Filter			
Hankison	E9-12	100WS10-020 X 1	
Hankison	E9-16	100WS10-036 X 1	
Hankison	E9-20	100WS10-060 X 1	
Hankison	E9-24	100WS16-066 X 1	
Hankison	E9-28	100WS16-108 X 1	
Hankison	E9-32	100WS19-131 X 1	
Hankison	E9-36	100WS19-176 X 1	
Hankison	E9-40	100WS25-204 X 1	
Hankison	E9-44	100WS25-265 X 1	
Hankison	E9-48	100WS25-323 X 1	
Hankison	E9-PV	100WS25-260 X 1	

Headline

Headline	12-32-50C	6H04-013 X 10	
Headline	12-32-50K	6T04-013 X 10	
Headline	12-32-70C	10H04-013 X 10	
Headline	12-32-70K	10T04-013 X 10	
Headline	12-57-50C	6H04-023 X 10	
Headline	12-57-50K	6T04-023 X 10	
Headline	12-57-70C	10H04-023 X 10	
Headline	12-57-70K	10T04-023 X 10	
Headline	25-127-50C	6H10-050 X 4	
Headline	25-127-70C	10H10-050 X 4	
Headline	25-178-50C	6H10-070 X 4	
Headline	25-178-50K	6T10-070 X 10	
Headline	25-178-70C	10H10-070 X 4	
Headline	25-178-70K	10T10-070 X 10	
Headline	25-64-50C	6H10-025 X 8	
Headline	25-64-50K	6T10-025 X 10	
Headline	25-64-70C	10H10-025 X 8	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Headline	25-64-70K	10T10-025 X 10	
Headline	38-152-50C	6H15-060 X 4	
Headline	38-152-50K	6T15-060 X 10	
Headline	38-152-70C	10H15-060 X 4	
Headline	38-152-70K	10T15-060 X 10	
Headline	51-230-50C	6H20-090 X 2	
Headline	51-230-50K	6T20-090 X 10	
Headline	51-230-70C	10H20-090 X 2	
Headline	51-230-70K	10T20-090 X 10	
Headline	51-476-50C	6H20-187 X 1	
Headline	51-476-50K	6T20-187 X 10	
Headline	51-476-70C	10H20-187 X 1	
Headline	51-476-70K	10T20-187 X 10	
Headline	51-89-50C	6H20-035 X 4	
Headline	51-89-70C	10H20-035 X 4	

Henderson

Coalescer (Dryer Pre-filter)

Henderson	8D20	6CN10-028 X 8	KX-10
Henderson	8D28	6CN10-038 X 4	KX-11
Henderson	16D33	6CU19-050 X 2	KX-12
Henderson	16D50	6CU19-070 X 2	KX-13
Henderson	16D100	6CU19-130 X 2	KX-14
Henderson	16D150	6CU19-187 X 1	KX-16
Henderson	0812-1	6CE63-118 X 1	

Particulate (Dryer After-Filter 3 Micron)

Henderson	SB4	3PN10-038 X 4	KX-11
Henderson	SB12	3PU19-050 X 2	KX-12
Henderson	245-3	3PE15-050 X 4	
Henderson	0812-1	3PE63-118 X 1	

Particulate - High Temp 450° F

Dryer After - Filter 0.9 Micron

Henderson	F350 (450°)	10DS19-187 X 1	KX-16H
Henderson	F350 (350°)	3PS19-187 X 1	KX-16H

Note: Kits are required for initial conversion only.

Johnson Controls

Johnson Controls	A4000-604	4CL10-024 X 8	
Johnson Controls	A4000-605	4CL10-053 X 4	
Johnson Controls	A4000-606	6CL25-063 X 2	
Johnson Controls	A4000-627	4CL10-024 X 8	
Johnson Controls	A4000-628	4CL10-053 X 4	
Johnson Controls	A4000-629	6CL25-063 X 2	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
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Norgren

Norgren	665-88	6CN25-080 X 2	
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Numatics

Numatics	EKF10D	6IR04-019 X 4	
Numatics	EKF20D	6IR08-019 X 4	
Numatics	EKF30D	6IR10-034 X 4	

Pall/Pneumatic Products Corporation

Reverse Ultipore (Coalescing Pre-Filter for Dryer)

Pall/PPC	GPC-125PF	6QP19-075 X 2	
Pall/PPC	MCC-1001SU	6QP19-098 X 2	
Pall/PPC	MCC-1002SU	6QP19-198 X 2	
Pall/PPC	MCC-1201SU	6QP28-132 X 2	
Pall/PPC	MCC-1202SU	6QP28-265 X 1	
Pall/PPC	MCC-4463SU	6QP14-051 X 4	
Pall/PPC	MCS-1001SU	6QP19-098 X 2	
Pall/PPC	MCS-4463SU	6QP14-051 X 4	
Pall/PPC	MDC-1001SU	6QP19-098 X 2	
Pall/PPC	MDC-1201SU	6QP28-132 X 2	
Pall/PPC	MDC-1202SU	6QP28-265 X 1	
Pall/PPC	MDC-4463SU	6QP14-051 X 4	
Pall/PPC	MDS-1001SU	6QP19-098 X 2	
Pall/PPC	MDS-1201SU	6QPS28-132 X 2	
Pall/PPC	MDS-4463SU	6QP14-051 X 4	
Pall/PPC	OL-5C	6QP14-051 X 4	
Pall/PPC	OL-9C	6QP19-098 X 2	
Pall/PPC	PCC-1001SU	6QP19-098 X 2	
Pall/PPC	PCC-1002SU	6QP19-198 X 2	
Pall/PPC	PCC-1003SU	6QP19-298 X 1	
Pall/PPC	PCC-1200SU	6QP30-295 X 1	
Pall/PPC	PCC-1201SU	6QP28-132 X 2	
Pall/PPC	PCC-1202SU	6QP28-265 X 1	
Pall/PPC	PCC-350SU	6QP30-143 X 1	
Pall/PPC	PCC-4463SU	6QP14-051 X 4	
Pall/PPC	PCC-600SU	6QP30-140 X 1	
Pall/PPC	PCC-700SU	6QP30-295 X 1	
Pall/PPC	PCS-1001SU	6QP19-098 X 2	
Pall/PPC	PCS-060AF	3PP14-051 X 4	
Pall/PPC	PCS-1002AF	3PP19-198 X 2	
Pall/PPC	PCS-1002SU	6QP19-198 X 2	
Pall/PPC	PCS-350SU	6QPS30-143 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Pall/PPC	PCS-4463SU	6QP14-051 X 4	
Pall/PPC	PCS-700SU	6QPS30-295 X 1	
Pall/PPC	PFS1201ZM	6QP28-132 X 1	
Pall/PPC	PFS1001ZM	6QPS19-098 X 2	
Pall/PPC	PFS4463ZM	6QPS28-132 X 1	
Pall/PPC	POC-035SU	6QP14-051 X 4	
Pall/PPC	POC-060SU	6QP14-051 X 4	
Pall/PPC	POC-1001SU	6QP19-098 X 2	
Pall/PPC	POC-1201SU	6QP28-132 X 2	
Pall/PPC	POC-1200SU	6QP30-295 X 1	
Pall/PPC	POC-600SU	6QP30-140 X 1	
Pall/PPC	POS-600SU	6QPS30-140 X 1	
Pall/PPC	POS-700SU	6QPS30-295 X 1	
Pall/PPC	POS-1001SU	6QPS19-098 X 2	
Pall/PPC	POS-1200SU	6QPS30-295 X 1	
Pall/PPC	POS-1201SU	6QPS28-132 X 1	
Pall/PPC	PPC-1200SU	6QP30-295 X 1	
Pall/PPC	PPC-1201SU	6QP28-132 X 2	
Pall/PPC	PPC-1202SU	6QP28-265 X 1	
Pall/PPC	PPC-350SU	6QP30-143 X 1	
Pall/PPC	PPC-700SU	6QP30-295 X 1	
Pall/PPC	PPY-1001SU	6QP19-098 X 2	
Pall/PPC	PPY-1002SU	6QP19-198 X 2	
Pall/PPC	PPY-1003SU	6QP19-298 X 1	
Low Temp (225° F) 3 Micron Particulate After-Filter			
Pall/PPC	GPC-175AF	3PP19-075 X 2	
Pall/PPC	MCS-4463AF	3PP14-051 X 4	
Pall/PPC	MCS-4463EC	3PP14-051 X 4	
Pall/PPC	MDC-1001AF	3PP19-098 X 2	
Pall/PPC	MDC-1002AF	3PP19-198 X 2	
Pall/PPC	MDC-1201AF	3PP26-132 X 2	
Pall/PPC	MDC-1202EC	3PP26-265 X 1	
Pall/PPC	MDC-4463AF	3PP14-051 X 4	
Pall/PPC	PCC-060AF	3PP14-051 X 4	
Pall/PPC	PCC-350AF	3PP30-143 X 1	
Pall/PPC	PCC-600AF	3PP30-140 X 1	
Pall/PPC	PCC-700AF	3PP30-295 X 1	
Pall/PPC	PCC-1001AF	3PP19-098 X 2	
Pall/PPC	PCC-1002AF	3PP19-198 X 2	
Pall/PPC	PCC-1003AF	3PP19-298 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Pall/PPC	PCC-1200AF	3PP30-295 X 1	
Pall/PPC	PCC-1201AF	3PP26-132 X 2	
Pall/PPC	PCC-1202EC	3PP26-265 X 1	
Pall/PPC	PCC-4463AF	3PP14-051 X 4	
Pall/PPC	PCS-1001AF	3PP19-098 X 2	
Pall/PPC	PCS-4463AF	3PP14-051 X 4	
High Temp (425° F) 0.9 Micron Particulate			
Pall/PPC	MCC-1001HT	10DP19-098 X 2	
Pall/PPC	MCC-1002HT	10DP19-198 X 2	
Pall/PPC	MCC-1201HT	10DP26-132 X 2	
Pall/PPC	MCC-1202HT	10DP26-265 X 1	
Pall/PPC	MCS-1001HT	10DPS19-098 X 2	
Pall/PPC	MCS-1002HT	10DPS19-198 X 2	
Pall/PPC	MDC-1001HT	10DP19-098 X 2	
Pall/PPC	MDC-1002HT	10DP19-198 X 2	
Pall/PPC	MDC-1201HT	10DP26-132 X 2	
Pall/PPC	MDC-1202HT	10DP26-265 X 1	
Pall/PPC	MDS-1001HT	10DPS19-098 X 2	
Pall/PPC	MDS-1002HT	10DPS19-198 X 2	
Pall/PPC	PCC-1001HT	10DP19-098 X 2	
Pall/PPC	PCC-1002HT	10DP19-198 X 2	
Pall/PPC	PCC-1003HT	10DP19-298 X 1	
Pall/PPC	PCC-1200HT	10DP30-295 X 1	
Pall/PPC	PCC-1201HT	10DP26-132 X 2	
Pall/PPC	PCC-1202HT	10DP26-265 X 1	
Pall/PPC	PCC-350HT	10DP30-143 X 1	
Pall/PPC	PCC-600HT	10DP30-140 X 1	
Pall/PPC	PCC-700HT	10DP30-295 X 1	
Pall/PPC	PCS-1001HT	10DPS19-098 X 2	
Pall/PPC	PCS-1002HT	10DPS19-198 X 2	
Pall/PPC	PCS-1200HT	10DPS30-295 X 1	
Pall/PPC	PCS-350HT	10DPS30-143 X 1	
Pall/PPC	PCS-700HT	10DPS30-295 X 1	
Petrosorb Ultipore Carbon Adsorber			
Pall/PPC	MCS-1001CE	AP19-098 X 2	
Pall/PPC	MDC-1001CE	AP19-098 X 2	
Pall/PPC	MDC-1001CV	AP19-098 X 2	
Pall/PPC	MDC-1001SAU	AP19-098 X 2	
Pall/PPC	MDC-1002SAU	AP19-198 X 2	
Pall/PPC	MDC-1201SAU	AP26-132 X 2	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Pall/PPC	MDC-1202SAU	AP26-265 X 1	
Pall/PPC	MDC-4463SAU	AP14-051 X 4	
Natural Gas Coalescing Filter			
Pall/PPC	CC05LGH13B	6IP15-052 X 4	
Pall/PPC	CC1LG7A	6CPC20-098 X 1	
Pall/PPC	CC3LG7A	7CPP20-290 X 1	
Pall/PPC	CC3LG02H13	7CRP20-290 X 1	
Pioneer			
Particulate Filter Elements			
Pioneer	EPS30	3PU10-035 X 1	
Pioneer	EPS40	3PU10-035 X 1	
Pioneer	EPS100	3PU10-060 X 1	
Pioneer	EPS250D	3PU15-105 X 1	
Pioneer	EPS425D	3PU20-133 X 1	
Pioneer	EPS550D	3PU20-195 X 1	
Pioneer	EPS750D	3PU25-198 X 1	
Pioneer	EPS1000D	3PU25-245 X 1	
Pioneer	EPS1300D	3PU25-285 X 1	
Pioneer	EPS1700D	3PU32-290 X 1	
Pioneer	EPS2000D	3PU32-350 X 1	
Pioneer	EPS2600D	3PU52-290 X 1	
Pioneer	EPS3500D	3PU78-260 X 1	
Pioneer	EPS5200D	3PU78-370 X 1	
Coalescing Filter Elements			
Pioneer	ECS25	6CU10-035 X 1	
Pioneer	ECS35	6CU10-035 X 1	
Pioneer	ECS60	6CU10-060 X 1	
Pioneer	ECS155	6CU15-105 X 1	
Pioneer	ECS250D	6IU20-133 X 1	
Pioneer	ECS350D	6IU20-195 X 1	
Pioneer	ECS450D	6CU25-198 X 1	
Pioneer	ECS600D	6CU25-245 X 1	
Pioneer	ECS800D	6CU25-285 X 1	
Pioneer	ECS1050D	6CU32-290 X 1	
Pioneer	ECS1250D	6CU32-350 X 1	
Pioneer	ECS1650D	6QU52-290 X 1	
Pioneer	ECS2100D	6QU78-260 X 1	
Pioneer	ECS3100D	6QU78-370 X 1	
Micro-lescer Filter Elements			
Pioneer	EMS20	4CU10-035 X 1	
Pioneer	EMS25	4CU10-035 X 1	
Pioneer	EMS50	4CU10-060 X 1	
Pioneer	EMS125D	4CU15-105 X 1	
Pioneer	EMS185D	4IU20-133 X 1	
Pioneer	EMS260D	4IU20-195 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Pioneer	EMS350D	4CU25-198 X 1	
Pioneer	EMS450D	4CU25-245 X 1	
Pioneer	EMS600D	4CU25-285 X 1	
Pioneer	EMS800D	4CU32-290 X 1	
Pioneer	EMS1000D	4CU32-350 X 1	
Pioneer	EMS1250D	4QU52-290 X 1	
Pioneer	EMS1600D	4QU78-260 X 1	
Pioneer	EMS2500D	4QU78-370 X 1	

Pure Air

Puretech				# of Elements required
Pure Air	1350	8DU51-100 X 1	KV-22	1
Pure Air	1351	8DU51-128 X 1	KV-22	1
Pure Air	1352	8DU78-165 X 1	KV-24	1
Pure Air	1353	8CU145-200 X 1		1
Purelescer				
Pure Air	1357	6CJ25-120 X 2		2
Pure Air	1358	6CJ25-120 X 2		3
Pure Air	1359	6CJ25-240 X 1		3
Pure Air	1360	6CJ25-240 X 1		4
Pure Air	1361	6CJ25-240 X 1		5
Pure Air	1362	6CJ25-240 X 1		6
Pure Air	1367	6CJ25-240 X 1		7
Pure Air	1368	6CJ25-240 X 1		8
Pure Air	1406	6CN25-080 X 2		1
Pure Air	1407	6CJ25-120 X 2		1
Pure Air	1408	6CJ25-240 X 1		1
Pure Air	1408	6CJ25-240 X 1		10

Note: Closure end cap O-rings are included for Purelescer elements.

Pureadsorber				
Pure Air	1370	AJ25-240 X 1		3 or 5
Pure Air	1372	AJ25-120 X 2		2
Pure Air	1373	AJ25-120 X 2		3
Pure Air	1375	AJ25-240 X 1		4
Pure Air	1377	AJ25-240 X 1		6
Pure Air	1378	AJ25-240 X 1		7
Pure Air	1379	AJ25-240 X 1		8
Pure Air	1411	AJ25-080 X 2		1
Pure Air	1412	AJ25-120 X 2		1
Pure Air	1413	AJ25-240 X 1		1
Pure Air	1418	AJ25-240 X 1		10

Notes: Closure end cap O-rings are included for Pureadsorber elements.

Kits are required for initial conversion only.

Par-Fit
Conversion
Elements

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
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Steris

Steris	129360-802	6G10-025 X 10	
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Sullair

Sullair	250024-423	10CF08-026 X 1	
Sullair	250024-424	10IF10-032 X 1	
Sullair	250024-425	10IF10-046 X 1	
Sullair	250024-426	10IF20-063 X 1	
Sullair	250024-427	10IF20-102 X 1	
Sullair	250024-428	10IF25-134 X 1	
Sullair	250024-429	10IF25-254 X 1	
Sullair	250030-644	10CF35-165 X 1	
Sullair	250024-430	10CF35-251 X 1	
Sullair	250024-431	6CF08-026 X 1	
Sullair	250024-432	6IF10-032 X 1	
Sullair	250024-433	6IF10-046 X 1	
Sullair	250024-434	6IF20-063 X 1	
Sullair	250024-435	6IF20-102 X 1	
Sullair	250024-436	6IF25-134 X 1	
Sullair	250024-437	6IF25-254 X 1	
Sullair	250024-438	6CF35-251 X 1	

Ultra Air

Ultra Air	EC100P	6CM15-060 X 4	
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Ultrafilter

80 Series

Prefilters

Ultrafilter	V-PE 3/1	3PJ10-030 X 1	
Ultrafilter	V-PE 3/1,5	3PJ13-030 X 1	
Ultrafilter	V-PE 4/1,5	3PJ13-044 X 1	
Ultrafilter	V-PE 4/2,5	3PJ15-040 X 1	
Ultrafilter	V-PE 5/2,5	3PJN15-050 X 1	
Ultrafilter	V-PE 5/3	3PJ25-050 X 1	
Ultrafilter	V-PE 10/3	3PJ25-100 X 1	
Ultrafilter	V-PE 15/3	3PG25-150 X 1	
Ultrafilter	V-PE 20/3	3PG25-200 X 1	
Ultrafilter	V-PE 30/3	3PG25-300 X 1	
Ultrafilter	V-PE 30/5	3PG43-300 X 1	

Fine Filters

Ultrafilter	FF 3/1	10CJ10-030 X 1	
Ultrafilter	FF 3/1,5	10CJ13-030 X 1	
Ultrafilter	FF 4/1,5	10CJ13-044 X 1	
Ultrafilter	FF 4/2,5	10IJ15-040 X 1	
Ultrafilter	FF 5/2,5	10IJN15-050 X 1	
Ultrafilter	FF 5/3	10IJ25-050 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
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Ultrafilter	FF 10/3	10IJ25-100 X 1	
Ultrafilter	FF 15/3	10IG25-150 X 1	
Ultrafilter	FF 20/3	10IG25-200 X 1	
Ultrafilter	FF 30/3	10IG25-300 X 1	
Ultrafilter	FF 30/5	10QG43-300 X 1	

Micro Filters

Ultrafilter	MF 3/1	6CJ10-030 X 1	
Ultrafilter	MF 3/1,5	6CJ13-030 X 1	
Ultrafilter	MF 4/1,5	6CJ13-044 X 1	
Ultrafilter	MF 4/2,5	6IJ15-040 X 1	
Ultrafilter	MF 5/2,5	6IJN15-050 X 1	
Ultrafilter	MF 5/3	6IJ25-050 X 1	
Ultrafilter	MF 10/3	6IJ25-100 X 1	
Ultrafilter	MF 15/3	6IG25-150 X 1	
Ultrafilter	MF 20/3	6IG25-200 X 1	
Ultrafilter	MF 30/3	6IG25-300 X 1	
Ultrafilter	MF 30/5	6QG43-300 X 1	

Sub Micro Filters

Ultrafilter	SMF 3/1	4CJ10-030 X 1	
Ultrafilter	SMF 3/1,5	4CJ13-030 X 1	
Ultrafilter	SMF 4/1,5	4CJ13-044 X 1	
Ultrafilter	SMF 4/2,5	4IJ15-040 X 1	
Ultrafilter	SMF 5/2,5	4IJN15-050 X 1	
Ultrafilter	SMF 5/3	4IJ25-050 X 1	
Ultrafilter	SMF 10/3	4IJ25-100 X 1	
Ultrafilter	SMF 15/3	4IG25-150 X 1	
Ultrafilter	SMF 20/3	4IG25-200 X 1	
Ultrafilter	SMF 30/3	4IG25-300 X 1	
Ultrafilter	SMF 30/5	4QG43-300 X 1	

Active Carbon Filters

Ultrafilter	AK 3/1	AJ10-030 X 1	
Ultrafilter	AK 3/1,5	AJ13-030 X 1	
Ultrafilter	AK 4/1,5	AJ13-044 X 1	
Ultrafilter	AK 4/2,5	AJ15-040 X 1	
Ultrafilter	AK 5/2,5	AJN15-050 X 1	
Ultrafilter	AK 5/3	AJ25-050 X 1	
Ultrafilter	AK 10/3	AJ25-100 X 1	
Ultrafilter	AK 15/3	AG25-150 X 1	
Ultrafilter	AK 20/3	AG25-200 X 1	
Ultrafilter	AK 30/3	AG25-300 X 1	
Ultrafilter	AK 30/5	AG43-300 X 1	

90 Series

Prefilters

Ultrafilter	PE 02/05	12GJN08-024 X 1	
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Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Ultrafilter	PE 03/05	12GJN08-030 X 1	
Ultrafilter	PE 03/10	3PJN10-030 X 1	
Ultrafilter	PE 04/10	3PJN10-040 X 1	
Ultrafilter	PE 04/20	3PJN13-040 X 1	
Ultrafilter	PE 05/20	3PJN13-050 X 1	
Ultrafilter	PE 05/25	3PJN15-050 X 1	
Ultrafilter	PE 07/25	3PJN15-070 X 1	
Ultrafilter	PE 07/30	3PJN25-070 X 1	
Ultrafilter	PE 10/30	3PJN25-100 X 1	
Ultrafilter	PE 15/30	3PGN25-150 X 1	
Ultrafilter	PE 20/30	3PGN25-200 X 1	
Ultrafilter	PE 30/30	3PGN25-300 X 1	
Ultrafilter	PE 30/50	3PGN43-300 X 1	

Fine Filters

Ultrafilter	FF 02/05	10HJN08-024 X 1	
Ultrafilter	FF 03/05	10HJN08-030 X 1	
Ultrafilter	FF 03/10	10CJN10-030 X 1	
Ultrafilter	FF 04/10	10CJN10-040 X 1	
Ultrafilter	FF 04/20	10CJN13-040 X 1	
Ultrafilter	FF 05/20	10CJN13-050 X 1	
Ultrafilter	FF 05/25	10IJN15-050 X 1	
Ultrafilter	FF 07/25	10IJN15-070 X 1	
Ultrafilter	FF 07/30	10IJN25-070 X 1	
Ultrafilter	FF 10/30	10IJN25-100 X 1	
Ultrafilter	FF 15/30	10IGN25-150 X 1	
Ultrafilter	FF 20/30	10IGN25-200 X 1	
Ultrafilter	FF 30/30	10IGN25-300 X 1	
Ultrafilter	FF 30/50	10QGN43-300 X 1	

Micro Filters

Ultrafilter	MF 02/05	6HJN08-024 X 1	
Ultrafilter	MF 03/05	6HJN08-030 X 1	
Ultrafilter	MF 03/10	6CJN10-030 X 1	
Ultrafilter	MF 04/10	6CJN10-040 X 1	
Ultrafilter	MF 04/20	6CJN13-040 X 1	
Ultrafilter	MF 05/20	6CJN13-050 X 1	
Ultrafilter	MF 05/25	6IJN15-050 X 1	
Ultrafilter	MF 07/25	6IJN15-070 X 1	
Ultrafilter	MF 07/30	6IJN25-070 X 1	
Ultrafilter	MF 10/30	6IJN25-100 X 1	
Ultrafilter	MF 15/30	6IGN25-150 X 1	
Ultrafilter	MF 20/30	6IGN25-200 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Ultrafilter	MF 30/30	6IGN25-300 X 1	
Ultrafilter	MF 30/50	6QGN43-300 X 1	

Sub Micro Filters

Ultrafilter	SMF 02/05	4HJN08-024 X 1	
Ultrafilter	SMF 03/05	4HJN08-030 X 1	
Ultrafilter	SMF 03/10	4CJN10-030 X 1	
Ultrafilter	SMF 04/10	4CJN10-040 X 1	
Ultrafilter	SMF 04/20	4CJN13-040 X 1	
Ultrafilter	SMF 05/20	4CJN13-050 X 1	
Ultrafilter	SMF 05/25	4IJN15-050 X 1	
Ultrafilter	SMF 07/25	4IJN15-070 X 1	
Ultrafilter	SMF 07/30	4IJN25-070 X 1	
Ultrafilter	SMF 10/30	4IJN25-100 X 1	
Ultrafilter	SMF 15/30	4IGN25-150 X 1	
Ultrafilter	SMF 20/30	4IGN25-200 X 1	
Ultrafilter	SMF 30/30	4IGN25-300 X 1	
Ultrafilter	SMF 30/50	4QGN43-300 X 1	

Active Carbon Filters

Ultrafilter	AK 02/05	AJN08-024 X 1	
Ultrafilter	AK 03/05	AJN08-030 X 1	
Ultrafilter	AK 03/10	AJN10-030 X 1	
Ultrafilter	AK 04/10	AJN10-040 X 1	
Ultrafilter	AK 04/20	AJN13-040 X 1	
Ultrafilter	AK 05/20	AJN13-050 X 1	
Ultrafilter	AK 05/25	AJN15-050 X 1	
Ultrafilter	AK 07/25	AJN15-070 X 1	
Ultrafilter	AK 07/30	AJN25-070 X 1	
Ultrafilter	AK 10/30	AJN25-100 X 1	
Ultrafilter	AK 15/30	AGN25-150 X 1	
Ultrafilter	AK 20/30	AGN25-200 X 1	
Ultrafilter	AK 30/30	AGN25-300 X 1	
Ultrafilter	AK 30/50	AGN43-300 X 1	

Process Gas Elements

Ultrafilter	P-AK 07/30	AGN25-070 X 1	
Ultrafilter	P-AK 10/30	AGN25-100 X 1	
Ultrafilter	P-FF 07/30	10IJN25-070 X 1	
Ultrafilter	P-FF 10/30	10IJN25-100 X 1	
Ultrafilter	P-MF 07/30	6IGN25-070 X 1	
Ultrafilter	P-MF 10/30	6IGN25-100 X 1	
Ultrafilter	P-PE 07/30	3PGN25-070 X 1	
Ultrafilter	P-PE 10/30	3PGN25-100 X 1	
Ultrafilter	P-SMF 07/30	4IGN25-070 X 1	
Ultrafilter	P-SMF 10/30	4IGN25-100 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Van Air			
Van Air	CE-8/60	6CC15-060 X 2	
Van Air	CE-8/100	6CC15-080 X 2	
Van Air	CE-15	6CC15-150 X 2	
Van Air	CE-22/500	6ICC25-220 X 1	
Van Air	CXE-8/60	2CC15-060 X 2	
Van Air	CXE-8/100	2CC15-080 X 2	
Van Air	CXE-15	2CC15-150 X 2	
Van Air	CXE-22/350	2ICC25-220 X 1	
Van Air	KE-6/60	3PC15-060 X 2	
Van Air	KE-6/100	3PC15-080 X 2	
Van Air	KE-15	3PC15-150 X 2	
Van Air	KE-22	3PCC25-220 X 1	
Van Air	KE-15HT	10DC15-150 X 2	
Van Air	KE-22HT	10DC25-220 X 1	
E100 Series			
Van Air	E100-100-B	8CC25-059 X 1	
Van Air	E100-100-C	6CC25-059 X 1	
Van Air	E100-100-RA	3PC25-059 X 1	
Van Air	E100-100-RD	AC25-059 X 1	
E101/102 Series			
Van Air	E101/102-500-A	10ICC25-240 X 1	
Van Air	E101/102-500-B	8ICC25-240 X 1	
Van Air	E101/102-500-C	6ICC25-240 X 1	
Van Air	E101/102-500-RA	10DC25-240 X 1	
Van Air	E101/102-500-RB	8DC25-240 X 1	
Van Air	E101/102-500-RC	6DC25-240 X 1	
Van Air	E101/102-500-HT	10DC25-240 X 1	
Van Air	E101/102-625-A	10ICC25-300 X 1	
Van Air	E101/102-625-B	8ICC25-300 X 1	
Van Air	E101/102-625-C	6ICC25-300 X 1	
Van Air	E101/102-625-RA	10DC25-300 X 1	
Van Air	E101/102-625-RB	8DC25-300 X 1	
Van Air	E101/102-625-RC	6DC25-300 X 1	
Van Air	E101/102-625-HT	10DC25-300 X 1	
E200 Series			
Van Air	E200-265-C	6CC25-117 X 1	
Van Air	E200-265-B	8CC25-117 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Van Air	E200-265-RD	AC25-117 X 1	
Van Air	E200-265-RA	3PC25-117 X 1	
Van Air	E200-265-RB	8DC25-117 X 1	
Watts			
Watts	EKF507	10HM06-013 X 10	
Watts	EKF604	10HM10-022 X 8	KX-26
Standard Series Coalescing			
Watts	EKF501H	6HM06-013 X 10	
Watts	EKF601J	6CM10-025 X 8	KX-21
Watts	EKF601K	6CM10-050 X 4	KX-22
Watts	EKF601L	6CM15-060 X 4	KX-23
Watts	EK600D	6CM15-185 X 2	KX-25
Watts	EK600ND	*6CM15-185 X 2	KX-25
Watts	EK-600NB	6CM15-060 X 4	KX-23
Qube Series Coalescing			
Watts	EKF31	6H06-018 X 10	
Watts	EKF51	6H08-015 X 10	
Watts	EKF101	6H10-029 X 8	
Note: Kits are required for initial conversion only.			
*Replacement unit is slightly smaller than original unit.			
Wilkerson			
5 Micron Particulate (Type A or Oil Removal)			
Wilkerson	FRP-95-115	14JU10-020 X 10	
Wilkerson	FRP-95-160	14JU07-013 X 10	
Wilkerson	FRP-95-267	14JU07-013 X 10	
Wilkerson	FRP-95-236	14JU10-020 X 10	
Wilkerson	FRP-95-268	14JU10-020 X 10	
Wilkerson	FRP-95-206	14JU10-020 X 10	
Wilkerson	FRP-95-269	14JU10-020 X 10	
Wilkerson	FRP-95-209	14JU15-043 X 10	
Wilkerson	FRP-95-210	14JU15-043 X 10	
Wilkerson	FRP-95-271	14JU15-043 X 10	
Wilkerson	FRP-95-272	14JU15-043 X 10	
Wilkerson	FRP-95-172	14JU26-075 X 4	
Wilkerson	FRP-95-273	14JU26-075 X 4	
Wilkerson	FRP-95-203	14JU26-075 X 4	
Wilkerson	FRP-95-274	14JU26-075 X 4	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Wilkerson	FRP-95-566	14JU26-075 X 4	
Wilkerson	FRP-95-567	14JU26-075 X 4	
Wilkerson	FRP-95-212	14JU26-120 X 4	
Wilkerson	FRP-85-168	14JU26-120 X 4	
Wilkerson	FRP-85-169	14JU26-240 X 4	
Wilkerson	FRP-95-213	14JU26-240 X 4	

Coalescer Type B

Wilkerson	MSP-95-556	8CK25-119 X 2	
Wilkerson	MSP-95-557	8CK25-238 X 1	
Wilkerson	MSP-95-874	8CK35-074 X 2	
Wilkerson	MSP-95-875	8CK35-106 X 1	
Wilkerson	MSP-95-876	8CK35-172 X 1	
Wilkerson	MSP-95-988	8HL10-021 X 4	
Wilkerson	MSP-95-989	8CL10-024 X 4	
Wilkerson	MSP-95-992	8CK15-052 X 4	

Coalescer Type C

Wilkerson	MRP-15-143	6CK35-074 X 2	
Wilkerson	MRP-15-411	6CU10-052 X 4	KY-2
Wilkerson	MRP-15-412	6CL25-063 X 2	
Wilkerson	MRP-15-441	6CU10-052 X 4	KY-2
Wilkerson	MRP-15-508	6CK25-119 X 2	
Wilkerson	MRP-15-513	6CK25-238 X 1	
Wilkerson	MSP-95-873	8CK25-080 X 2	
Wilkerson	MTP-95-547	6HK04-013 X 10	
Wilkerson	MTP-95-548	6HL10-021 X 4	
Wilkerson	MTP-95-549	6CL10-024 X 4	
Wilkerson	MTP-95-550	6CU10-052 X 4	KY-2
Wilkerson	MTP-95-551	6CK15-052 X 4	
Wilkerson	MTP-95-552	6CL25-063 X 2	
Wilkerson	MTP-95-553	6CK35-074 X 2	
Wilkerson	MTP-95-554	6CK25-119 X 2	
Wilkerson	MTP-95-555	6CK25-238 X 1	
Wilkerson	MTP-95-559	6CK25-080 X 2	
Wilkerson	MTP-95-560	6CK35-074 X 2	
Wilkerson	MTP-95-561	6CK35-106 X 1	
Wilkerson	MTP-95-562	6CK35-172 X 1	

Adsorber Type D

Wilkerson	MRP-15-532	AU10-052 X 4	KY-2
Wilkerson	MRP-15-533	AK25-119 X 2	
Wilkerson	MRP-15-534	AK25-238 X 1	
Wilkerson	MRP-15-535	AL25-063 X 2	
Wilkerson	MRP-15-536	AU10-021 X 1	KY-1
Wilkerson	MRP-15-537	AU10-052 X 4	KY-2
Wilkerson	MRP-15-538	AK35-074 X 2	
Wilkerson	MRP-95-534	AK25-238 X 1	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Wilkerson	MXP-95-538	AK35-074 X 2	
Wilkerson	MXP-15-533	AK25-119 X 2	
Wilkerson	MXP-95-532	AK15-052 X 4	
Wilkerson	MXP-95-535	AL25-063 X 2	
Wilkerson	MXP-95-536	AU10-021 X 8	KY-1
Wilkerson	MXP-95-540	AL10-024 X 4	
Wilkerson	MXP-95-558	AK25-080 X 2	
Wilkerson	MXP-95-563	AK35-074 X 2	
Wilkerson	MXP-95-564	AK35-106 X 1	
Wilkerson	MXP-95-565	AK35-172 X 1	
Wilkerson	MXP-95-987	AL10-021 X 4	

Note: Kits are required for initial conversion only.

Zander

Zander	1030 (A, V, X, Y or Z)	*Z07-020 X 1	
Zander	1050 (A, V, X, Y or Z)	*Z12-023 X 1	
Zander	1070 (A, V, X, Y or Z)	*Z12-029 X 1	
Zander	1140 (A, V, X, Y or Z)	*Z12-056 X 1	
Zander	2010 (A, V, X, Y or Z)	*Z20-046 X 1	
Zander	2020 (A, V, X, Y or Z)	*Z20-086 X 1	
Zander	2030 (A, V, X, Y or Z)	*Z20-126 X 1	
Zander	2050 (A, V, X, Y or Z)	*Z20-200 X 1	
Zander	3050 (A, V, X, Y or Z)	*Z27-200 X 1	
Zander	3075 (A, V, X, Y or Z)	*Z27-298 X 1	
Zander	5060 (A, V, X, Y or Z)	*Z46-239 X 1	
Zander	5075 (A, V, X, Y or Z)	*Z50-298 X 1	

*Pore Structure Conversion Chart

Use this chart to determine the **Finite®** equivalent to the specified Zander grade.

Zander Media Designation	Finite® Element Grade
A	A (Adsorber)
V	3P (Particulate)
X	6C (Coalescer)
Y	8C (Coalescer)
Z	10C (Coalescer)

Example: Zander 2030X = **Finite®** 6CZ20-126 X 1

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Zeks			
Accraflow			
Zeks	P30	3PZ10-025	
Zeks	P75	3PZ10-050	
Zeks	P150	3PZ15-060	
Zeks	P275	3PZ15-095	
Zeks	P330	3PZ19-095	
Zeks	P500	3PZ19-193	
Zeks	P670	3PZ19-193	
Accrasieve			
Zeks	R25	10CZ10-025	
Zeks	R60	10CZ10-050	
Zeks	R80	10CZ15-060	
Zeks	R130	10CZ15-060	
Zeks	R230	10CZ15-095	
Zeks	R300	10CZ19-095	
Zeks	R450	10CZ19-193	
Zeks	R600	10CZ19-193	
Accralescor			
Zeks	L18	6CZ10-025	
Zeks	L50	6CZ10-050	
Zeks	L80	6CZ15-060	
Zeks	L100	6CZ15-060	
Zeks	L140	6CZ15-095	
Zeks	L200	6CZ19-095	
Zeks	L300	6CZ19-193	
Zeks	L400	6CZ19-193	
Accrasorb			
Zeks	A18	AZ10-025	
Zeks	A50	AZ10-050	
Zeks	A80	AZ15-060	
Zeks	A100	AZ15-060	
Zeks	A140	AZ15-095	
Zeks	A200	AZ19-095	
Zeks	A300	AZ19-193	
Zeks	A400	AZ19-193	
Accratemp			
Zeks	H130	10DZ15-060	
Zeks	H230	10DZ15-095	
Zeks	H300	10DZ19-095	
Zeks	H450	10DZ19-193	
Zeks	H600	10DZ19-193	

Competitor	Competitor Part Number	Finite® Part Number	Kit Required
Zurn/General Air Dryer			
Particulate Filters			
Zurn	74635-22	12R10-025 X 8	
Zurn	74635-24	12RM10-055 X 4	
Zurn	74635-26	12R15-060 X 4	
Zurn	74635-75	12R20-130 X 2	
Zurn	74635-32	12R20-187 X 1	
Zurn	74635-40	12RD20-187 X 1	
Zurn	74635-90	12RXC20-187 X 1	KV-25
Zurn	74635-139	3PU51-380 X 1	
Coalescing Filters			
Zurn	74635-21	6N10-025 X 8	
Zurn	74635-23	6CM10-055 X 4	
Zurn	74635-25	6N15-060 X 4	
Zurn	74635-74	6N20-130 X 2	
Zurn	74635-31	6N20-187 X 1	
Zurn	74635-39	6ND20-187 X 1	
Zurn	74635-133	6QU51-380 X 1	
Zurn	74635-134	6QU80-380 X 1	
Odorguard			
Zurn	74635-77	AU10-025 X 8	
Zurn	74635-78	AU10-055 X 4	
Zurn	74635-80	AU15-060 X 4	
Zurn	74635-76	AU20-130 X 2	
Zurn	74635-79	AU20-187 X 1	
Zurn	74635-50	AD20-187 X 1	
Zurn	74635-145	AU51-380 X 1	
Zurn	74635-146	AU80-380 X 1	
Note: Kits are required for initial conversion only.			

Par-Fit Conversion Elements

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
050-03*	*G04-010 X 10	Balston	
050-03*Q	*T04-010 X 10	Balston	
050-03-BX	6H04-010 X 10	Balston	
050-03-CX	8H04-010 X 10	Balston	
050-03-DX	10H04-010 X 10	Balston	
050-05-*	*G04-013 X 10	Balston	
050-05*Q	*T04-013 X 10	Balston	
050-05-BX	6H04-013 X 10	Balston	
050-05-CX	8H04-013 X 10	Balston	
050-05-DX	10H04-013 X 10	Balston	
050-11-*	*G04-023 X 10	Balston	
050-11*Q	*T04-023 X 10	Balston	
050-11-BH	6T04-023 X 10	Balston	
050-11-BX	6H04-023 X 10	Balston	
050-11-CX	8H04-023 X 10	Balston	
050-11-DH	10T04-023 X 10	Balston	
050-11-DX	10H04-023 X 10	Balston	
0713-11*	6CH25-260 X 1	Hankison	
0713-12*	6CU25-187 X 1	Hankison	KX-2
0713-2	6CM10-025 X 8	Hankison	KX-21
0713-3	6CM10-050 X 4	Hankison	KX-22
0713-4	6CM15-060 X 4	Hankison	KX-23
0713-5	6CM15-095 X 2	Hankison	KX-24
0713-6	6CM15-185 X 2	Hankison	KX-25
0713-7	6CU25-187 X 1	Hankison	KX-2
0713-8	6CU25-187 X 1	Hankison	KX-2
0713-9	6CH25-260 X 1	Hankison	
0715-11*	AH25-260 X 1	Hankison	
0715-2	AM10-025 X 8	Hankison	KX-21
0715-3	AM10-050 X 4	Hankison	KX-22
0715-4	AM15-060 X 4	Hankison	KX-23
0715-5	AM15-095 X 2	Hankison	KX-24
0715-6	AM15-185 X 2	Hankison	KX-25
0715-7	AU25-187 X 1	Hankison	KX-2
0715-8	AU25-187 X 1	Hankison	KX-2
0715-9	AH25-260 X 1	Hankison	
0731-3	10CM10-025 X 8	Hankison	KX-21
0731-4	10CM10-050 X 4	Hankison	KX-22
0731-5	10CM15-060 X 4	Hankison	KX-23
0731-6	10CM15-095 X 2	Hankison	KX-24
0731-7	10CM15-185 X 2	Hankison	KX-25
0731-8	10CU25-187 X 1	Hankison	KX-2
0731-9*	10CH25-260 X 1	Hankison	
0740-4	10DH25-260 X 1	Hankison	
0812-1	6CE63-118 X 1	Henderson	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
0812-1	3PE63-118 X 1	Henderson	
10" (80 Series)	6CP15-100 X 2	Cuno	
10" (80 Series)	AP15-100 X 2	Cuno	
10" Element	6CP15-100 X 2	Filterite	
10" Element	3PP15-100 X 2	Filterite	
10" Element	AP15-100 X 2	Filterite	
100-09-BX	6H10-020 X 8	Balston	
100-09-CX	8H10-020 X 8	Balston	
100-09-DX	10H10-020 X 8	Balston	
100-12-*	*G10-025 X 10	Balston	
100-12*Q	*T10-025 X 10	Balston	
100-12-BH	6T10-025 X 10	Balston	
100-12-BX	6H10-025 X 8	Balston	
100-12-CX	8H10-025 X 8	Balston	
100-12-DH	10T10-025 X 10	Balston	
100-12-DX	10H10-025 X 8	Balston	
100-18-BX	6H10-050 X 4	Balston	
100-18-CX	8H10-050 X 4	Balston	
100-18-DX	10H10-050 X 4	Balston	
100-25-*	*G10-070 X 10	Balston	
100-25*Q	*T10-070 X 10	Balston	
100-25-BH	6T10-070 X 10	Balston	
100-25-BX	6H10-070 X 4	Balston	
100-25-CX	8H10-070 X 4	Balston	
100-25-DH	10T10-070 X 10	Balston	
100-25-DX	10H10-070 X 4	Balston	
1030	*Z07-020 X 1	Zander	
1050	*Z12-023 X 1	Zander	
1070	*Z12-029 X 1	Zander	
1140	*Z12-056 X 1	Zander	
12-32-50C	6H04-013 X 10	Headline	
12-32-50K	6T04-013 X 10	Headline	
12-32-70C	10H04-013 X 10	Headline	
12-32-70K	10T04-013 X 10	Headline	
12-57-50C	6H04-023 X 10	Headline	
12-57-50K	6T04-023 X 10	Headline	
12-57-70C	10H04-023 X 10	Headline	
12-57-70K	10T04-023 X 10	Headline	
129360-802	6G10-025 X 10	Steris	
1350	8DU51-100 X 1	Pure Air	KV-22
1351	8DU51-128 X 1	Pure Air	KV-22
1352	8DU78-165 X 1	Pure Air	KV-24
1353	8CU145-200 X 1	Pure Air	
1357	6CJ25-120 X 2	Pure Air	
1358	6CJ25-120 X 2	Pure Air	

Par-Fit Conversion Elements

*Please refer to appropriate competitor section for complete conversion details.



Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
1359	6CJ25-240 X 1	Pure Air	
1360	6CJ25-240 X 1	Pure Air	
1361	6CJ25-240 X 1	Pure Air	
1362	6CJ25-240 X 1	Pure Air	
1367	6CJ25-240 X 1	Pure Air	
1368	6CJ25-240 X 1	Pure Air	
1370	AJ25-240 X 1	Pure Air	
1372	AJ25-120 X 2	Pure Air	
1373	AJ25-120 X 2	Pure Air	
1375	AJ25-240 X 1	Pure Air	
1377	AJ25-240 X 1	Pure Air	
1378	AJ25-240 X 1	Pure Air	
1379	AJ25-240 X 1	Pure Air	
1406	6CN25-080 X 2	Pure Air	
1407	6CJ25-120 X 2	Pure Air	
1408	6CJ25-240 X 1	Pure Air	
1408	6CJ25-240 X 1	Pure Air	
1411	AJ25-080 X 2	Pure Air	
1412	AJ25-120 X 2	Pure Air	
1413	AJ25-240 X 1	Pure Air	
1418	AJ25-240 X 1	Pure Air	
150-19-*	*G15-060 X 10	Balston	
150-19-*Q	*T15-060 X 10	Balston	
150-19-BX	6H15-060 X 4	Balston	
150-19-CX	8H15-060 X 4	Balston	
150-19-DX	10H15-060 X 4	Balston	
16D100	6CU19-130 X 2	Henderson	KX-14
16D150	6CU19-187 X 1	Henderson	KX-16
16D33	6CU19-050 X 2	Henderson	KX-12
16D50	6CU19-070 X 2	Henderson	KX-13
20" Element	6CP15-198 X 2	Filterite	
20" Element	3PP15-198 X 2	Filterite	
20" Element	AP15-198 X 2	Filterite	
200-16-BX	6H20-035 X 4	Balston	
200-16-CX	8H20-035 X 4	Balston	
200-16-DX	10H20-035 X 4	Balston	
200-35-*	*G20-090 X 10	Balston	
200-35-*Q	*T20-090 X 10	Balston	
200-35-BH	6T20-090 X 10	Balston	
200-35-BX	6H20-090 X 2	Balston	
200-35-CX	8H20-090 X 2	Balston	
200-35-DX	10H20-090 X 2	Balston	
200-80-*	*G20-187 X 10	Balston	
200-80-*Q	*T20-187 X 10	Balston	
200-80-BX	6H20-187 X 1	Balston	
200-80-CX	8H20-187 X 1	Balston	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
200-80-DX	10H20-187 X 1	Balston	
2010	*Z20-046 X 1	Zander	
2020	*Z20-086 X 1	Zander	
2030	*Z20-126 X 1	Zander	
2050	*Z20-200 X 1	Zander	
245-3	3PE15-050 X 4	Henderson	
250024-423	10CF08-026 X 1	Sullair	
250024-424	10IF10-032 X 1	Sullair	
250024-425	10IF10-046 X 1	Sullair	
250024-426	10IF20-063 X 1	Sullair	
250024-427	10IF20-102 X 1	Sullair	
250024-428	10IF25-134 X 1	Sullair	
250024-429	10IF25-254 X 1	Sullair	
250024-430	10CF35-251 X 1	Sullair	
250024-431	6CF08-026 X 1	Sullair	
250024-432	6IF10-032 X 1	Sullair	
250024-433	6IF10-046 X 1	Sullair	
250024-434	6IF20-063 X 1	Sullair	
250024-435	6IF20-102 X 1	Sullair	
250024-436	6IF25-134 X 1	Sullair	
250024-437	6IF25-254 X 1	Sullair	
250024-438	6CF35-251 X 1	Sullair	
250030-644	10CF35-165 X 1	Sullair	
25-127-50C	6H10-050 X 4	Headline	
25-127-70C	10H10-050 X 4	Headline	
25-178-50C	6H10-070 X 4	Headline	
25-178-50K	6T10-070 X 10	Headline	
25-178-70C	10H10-070 X 4	Headline	
25-178-70K	10T10-070 X 10	Headline	
25-64-50C	6H10-025 X 8	Headline	
25-64-50K	6T10-025 X 10	Headline	
25-64-70C	10H10-025 X 8	Headline	
25-64-70K	10T10-025 X 10	Headline	
3-3/4" (30 Series)	6CP15-038 X 4	Cuno	
3050	*Z27-200 X 1	Zander	
3075	*Z27-298 X 1	Zander	
38-152-50C	6H15-060 X 4	Headline	
38-152-50K	6T15-060 X 10	Headline	
38-152-70C	10H15-060 X 4	Headline	
38-152-70K	10T15-060 X 10	Headline	
5060	*Z46-239 X 1	Zander	
5075	*Z50-298 X 1	Zander	
51-230-50C	6H20-090 X 2	Headline	
51-230-50K	6T20-090 X 10	Headline	
51-230-70C	10H20-090 X 2	Headline	

*Please refer to appropriate competitor section for complete conversion details.

Par-Fit
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Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
51-230-70K	10T20-090 X 10	Headline	
51-476-50C	6H20-187 X 1	Headline	
51-476-50K	6T20-187 X 10	Headline	
51-476-70C	10H20-187 X 1	Headline	
51-476-70K	10T20-187 X 10	Headline	
51-89-50C	6H20-035 X 4	Headline	
51-89-70C	10H20-035 X 4	Headline	
532-221	8CF20-051 X 2	Busch	
532-302	8CF20-099 X 2	Busch	
532-303	8CF20-147 X 1	Busch	
532-304	8CF20-197 X 1	Busch	
74635-133	6QU51-380 X 1	Zurn	
74635-134	6QU80-380 X 1	Zurn	
74635-139	3PU51-380 X 1	Zurn	
74635-145	AU51-380 X 1	Zurn	
74635-146	AU80-380 X 1	Zurn	
74635-21	6N10-025 X 8	Zurn	
74635-22	12R10-025 X 8	Zurn	
74635-23	6CM10-055 X 4	Zurn	
74635-24	12RM10-055 X 4	Zurn	
74635-25	6N15-060 X 4	Zurn	
74635-26	12R15-060 X 4	Zurn	
74635-31	6N20-187 X 1	Zurn	
74635-32	12R20-187 X 1	Zurn	
74635-39	6ND20-187 X 1	Zurn	
74635-40	12RD20-187 X 1	Zurn	
74635-50	AD20-187 X 1	Zurn	
74635-74	6N20-130 X 2	Zurn	
74635-75	12R20-130 X 2	Zurn	
74635-76	AU20-130 X 2	Zurn	
74635-77	AU10-025 X 8	Zurn	
74635-78	AU10-055 X 4	Zurn	
74635-79	AU20-187 X 1	Zurn	
74635-80	AU15-060 X 4	Zurn	
74635-90	12RXC20-187 X 1	Zurn	KV-25
86-972	6HU20-070 X 2	Binks	
86-982	6HU10-050 X 4	Binks	
8D20	6CN10-028 X 8	Henderson	KX-10
8D28	6CN10-038 X 4	Henderson	KX-11
9-3/4" (78 Series)	6CP15-098 X 2	Cuno	
9-3/4" (78 Series)	AP15-098 X 2	Cuno	
9900-05-BK	SDN-O X 10	Balston	
9933-05-BQ	IDN-6G X 10	Balston	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
9933-05-DQ	IDN-10G X 10	Balston	
A002/05	6HJN08-024 X 1	Domnick Hunter	
A003/05	6HJN08-030 X 1	Domnick Hunter	
A003/10	6CJN10-030 X 1	Domnick Hunter	
A004/10	6CJN10-040 X 1	Domnick Hunter	
A004/20	6CJN13-040 X 1	Domnick Hunter	
A005/20	6CJN13-050 X 1	Domnick Hunter	
A005/25	6IJN15-050 X 1	Domnick Hunter	
A007/25	6IJN15-070 X 1	Domnick Hunter	
A007/30	6IJN25-070 X 1	Domnick Hunter	
A010/3	6IJ25-100 X 1	Domnick Hunter	
A010/30	6IJN25-100 X 1	Domnick Hunter	
A015/3	6IG25-150 X 1	Domnick Hunter	
A015/30	6IGN25-150 X 1	Domnick Hunter	
A020/3	6IG25-200 X 1	Domnick Hunter	
A020/30	6IGN25-200 X 1	Domnick Hunter	
A03/1	6CJ10-030 X 1	Domnick Hunter	
A03/1.5	6CJ13-030 X 1	Domnick Hunter	
A030/3	6IG25-300 X 1	Domnick Hunter	
A030/30	6IGN25-300 X 1	Domnick Hunter	
A030/5	6QG43-300 X 1	Domnick Hunter	
A030/50	6QGN43-300 X 1	Domnick Hunter	
A04/1.5	6CJ13-044 X 1	Domnick Hunter	
A04/2.5	6IJ15-040 X 1	Domnick Hunter	
A05/2.5	6IJN15-050 X 1	Domnick Hunter	
A05/3	6IJ25-050 X 1	Domnick Hunter	
A100	AZ15-060	Zeks	
A140	AZ15-095	Zeks	
A18	AZ10-025	Zeks	
A200	AZ19-095	Zeks	
A300	AZ19-193	Zeks	
A400	AZ19-193	Zeks	
A4000-604	4CL10-024 X 8	Johnson Controls	
A4000-605	4CL10-053 X 4	Johnson Controls	
A4000-606	6CL25-063 X 2	Johnson Controls	
A4000-627	4CL10-024 X 8	Johnson Controls	
A4000-628	4CL10-053 X 4	Johnson Controls	
A4000-629	6CL25-063 X 2	Johnson Controls	
A50	AZ10-050	Zeks	
A80	AZ15-060	Zeks	

Par-Fit Conversion Elements

*Please refer to appropriate competitor section for complete conversion details.



Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
AA02/05	4HJN08-024 X 1	Domnick Hunter	
AA03/05	4HJN08-030 X 1	Domnick Hunter	
AA03/10	4CJN10-030 X 1	Domnick Hunter	
AA04/10	4CJN10-040 X 1	Domnick Hunter	
AA04/20	4CJN13-040 X 1	Domnick Hunter	
AA05/20	4CJN13-050 X 1	Domnick Hunter	
AA05/25	4IJN15-050 X 1	Domnick Hunter	
AA07/25	4IJN15-070 X 1	Domnick Hunter	
AA07/30	4IJN25-070 X 1	Domnick Hunter	
AA10/3	6IJ25-100 X 1	Domnick Hunter	
AA10/30	4IJN25-100 X 1	Domnick Hunter	
AA15/3	6IG25-150 X 1	Domnick Hunter	
AA15/30	4IGN25-150 X 1	Domnick Hunter	
AA20/3	6IG25-200 X 1	Domnick Hunter	
AA20/30	4IGN25-200 X 1	Domnick Hunter	
AA3/1	6CJ10-030 X 1	Domnick Hunter	
AA3/1.5	6CJ13-030 X 1	Domnick Hunter	
AA30/3	6IG25-300 X 1	Domnick Hunter	
AA30/30	4IGN25-300 X 1	Domnick Hunter	
AA30/5	6QG43-300 X 1	Domnick Hunter	
AA30/50	4QGN43-300 X 1	Domnick Hunter	
AA4/1.5	6CJ13-044 X 1	Domnick Hunter	
AA4/2.5	6IJ15-040 X 1	Domnick Hunter	
AA5/2.5	6IJN15-050 X 1	Domnick Hunter	
AA5/3	6IJ25-050 X 1	Domnick Hunter	
AC 02/05	AJN08-024 X 1	Domnick Hunter	
AC 03/05	AJN08-030 X 1	Domnick Hunter	
AC 03/10	AJN10-030 X 1	Domnick Hunter	
AC 04/10	AJN10-040 X 1	Domnick Hunter	
AC 04/20	AJN13-040 X 1	Domnick Hunter	
AC 05/20	AJN13-050 X 1	Domnick Hunter	
AC 05/25	AJN15-050 X 1	Domnick Hunter	
AC 07/25	AJN15-070 X 1	Domnick Hunter	
AC 07/30	AJN25-070 X 1	Domnick Hunter	
AC 10/30	AJN25-100 X 1	Domnick Hunter	
AC 15/30	AGN25-150 X 1	Domnick Hunter	
AC 20/30	AGN25-200 X 1	Domnick Hunter	
AC 30/30	AGN25-300 X 1	Domnick Hunter	
AC 30/50	AGN43-300 X 1	Domnick Hunter	
AC10/3	AJ25-100 X 1	Domnick Hunter	
AC15/3	AG25-150 X 1	Domnick Hunter	
AC20/3	AG25-200 X 1	Domnick Hunter	
AC3/1	AJ10-030 X 1	Domnick Hunter	
AC3/1.5	AJ13-030 X 1	Domnick Hunter	
AC30/3	AG25-300 X 1	Domnick Hunter	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
AC30/5	AG43-300 X 1	Domnick Hunter	
AC4/1.5	AJ13-044 X 1	Domnick Hunter	
AC4/2.5	AJ15-040 X 1	Domnick Hunter	
AC5/2.5	AJN15-050 X 1	Domnick Hunter	
AC5/3	AJ25-050 X 1	Domnick Hunter	
AK 02/05	AJN08-024 X 1	Ultrafilter	
AK 03/05	AJN08-030 X 1	Ultrafilter	
AK 03/10	AJN10-030 X 1	Ultrafilter	
AK 04/10	AJN10-040 X 1	Ultrafilter	
AK 04/20	AJN13-040 X 1	Ultrafilter	
AK 05/20	AJN13-050 X 1	Ultrafilter	
AK 05/25	AJN15-050 X 1	Ultrafilter	
AK 07/25	AJN15-070 X 1	Ultrafilter	
AK 07/30	AJN25-070 X 1	Ultrafilter	
AK 10/3	AJ25-100 X 1	Ultrafilter	
AK 10/30	AJN25-100 X 1	Ultrafilter	
AK 15/3	AG25-150 X 1	Ultrafilter	
AK 15/30	AGN25-150 X 1	Ultrafilter	
AK 20/3	AG25-200 X 1	Ultrafilter	
AK 20/30	AGN25-200 X 1	Ultrafilter	
AK 3/1	AJ10-030 X 1	Ultrafilter	
AK 3/1,5	AJ13-030 X 1	Ultrafilter	
AK 30/3	AG25-300 X 1	Ultrafilter	
AK 30/30	AGN25-300 X 1	Ultrafilter	
AK 30/5	AG43-300 X 1	Ultrafilter	
AK 30/50	AGN43-300 X 1	Ultrafilter	
AK 4/1,5	AJ13-044 X 1	Ultrafilter	
AK 4/2,5	AJ15-040 X 1	Ultrafilter	
AK 5/2,5	AJN15-050 X 1	Ultrafilter	
AK 5/3	AJ25-050 X 1	Ultrafilter	
CC05LGH13B	6IP15-052 X 4	Pall/PPC	
CC1LG7A	6CPC20-098 X 1	Pall/PPC	
CC3LG02H13	7CRP20-290 X 1	Pall/PPC	
CC3LG7A	7CPP20-290 X 1	Pall/PPC	
CE-15	6CC15-150 X 2	Van Air	
CE-22/500	6ICC25-220 X 1	Van Air	
CE-8/100	6CC15-080 X 2	Van Air	
CE-8/60	6CC15-060 X 2	Van Air	
CI-100-12	AU10-025 X 8	Balston	
CI-100-25	AU10-070 X 4	Balston	
CI-150-19	AB15-060 X 4	Balston	
CXE-15	2CC15-150 X 2	Van Air	
CXE-22/350	2ICC25-220 X 1	Van Air	
CXE-8/100	2CC15-080 X 2	Van Air	
CXE-8/60	2CC15-060 X 2	Van Air	
DH006AA	6CF08-026 X 1	Flair	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
DH006AC	AF08-026 X 1	Flair	
DH006AO	10CF08-026 X 1	Flair	
DH013AA	6IF10-032 X 1	Flair	
DH013AC	AF10-032 X 1	Flair	
DH013AO	10IF10-032 X 1	Flair	
DH025AA	6IF10-046 X 1	Flair	
DH025AC	AF10-046 X 1	Flair	
DH025AO	10IF10-046 X 1	Flair	
DH040AA	6IF20-063 X 1	Flair	
DH040AC	AF20-063 X 1	Flair	
DH040AO	10IF20-063 X 1	Flair	
DH085AA	6IF20-102 X 1	Flair	
DH085AC	AF20-102 X 1	Flair	
DH085AO	10IF20-102 X 1	Flair	
DH195AA	6IF25-134 X 1	Flair	
DH195AC	AF25-134 X 1	Flair	
DH195AO	10IF25-134 X 1	Flair	
DH295AA	6IF25-254 X 1	Flair	
DH295AC	AF25-254 X 1	Flair	
DH295AO	10IF25-254 X 1	Flair	
DH400AA	6CF35-165 X 1	Flair	
DH400AC	AF35-165 X 1	Flair	
DH400AO	10CF35-165 X 1	Flair	
DH500AA	6CF43-252 X 1	Flair	
DH500AC	AF43-252 X 1	Flair	
DH500AO	10CF43-252 X 1	Flair	
E006AA	6CF08-026 X 1	Domnick Hunter	
E006AC	AF08-026 X 1	Domnick Hunter	
E006AO	10CF08-026 X 1	Domnick Hunter	
E013AA	6IF10-032 X 1	Domnick Hunter	
E013AC	AF10-032 X 1	Domnick Hunter	
E013AO	10IF10-032 X 1	Domnick Hunter	
E025AA	6IF10-046 X 1	Domnick Hunter	
E025AC	AF10-046 X 1	Domnick Hunter	
E025AO	10IF10-046 X 1	Domnick Hunter	
E040AA	6IF20-063 X 1	Domnick Hunter	
E040AC	AF20-063 X 1	Domnick Hunter	
E040AO	10IF20-063 X 1	Domnick Hunter	
E085AA	6IF20-102 X 1	Domnick Hunter	
E085AC	AF20-102 X 1	Domnick Hunter	
E085AO	10IF20-102 X 1	Domnick Hunter	
E100-100-B	8CC25-059 X 1	Van Air	
E100-100-C	6CC25-059 X 1	Van Air	
E100-100-RA	3PC25-059 X 1	Van Air	
E100-100-RD	AC25-059 X 1	Van Air	
E101/102-500-A	10ICC25-240 X 1	Van Air	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
E101/102-500-B	8ICC25-240 X 1	Van Air	
E101/102-500-C	6ICC25-240 X 1	Van Air	
E101/102-500-HT	10DC25-240 X 1	Van Air	
E101/102-500-RA	10DC25-240 X 1	Van Air	
E101/102-500-RB	8DC25-240 X 1	Van Air	
E101/102-500-RC	6DC25-240 X 1	Van Air	
E101/102-625-A	10ICC25-300 X 1	Van Air	
E101/102-625-B	8ICC25-300 X 1	Van Air	
E101/102-625-C	6ICC25-300 X 1	Van Air	
E101/102-625-HT	10DC25-300 X 1	Van Air	
E101/102-625-RA	10DC25-300 X 1	Van Air	
E101/102-625-RB	8DC25-300 X 1	Van Air	
E101/102-625-RC	6DC25-300 X 1	Van Air	
E1-12	AH10-020 X 1	Hankison	
E1-16	AH10-036 X 1	Hankison	
E1-20	AH10-060 X 1	Hankison	
E1-24	AHC16-066 X 1	Hankison	
E1-28	AHC16-108 X 1	Hankison	
E1-32	AHC19-131 X 1	Hankison	
E1-36	AHC19-176 X 1	Hankison	
E1-40	AHC25-204 X 1	Hankison	
E1-44	AHC25-265 X 1	Hankison	
E1-48	AHC25-323 X 1	Hankison	
E195AA	6IF25-134 X 1	Domnick Hunter	
E195AC	AF25-134 X 1	Domnick Hunter	
E195AO	10IF25-134 X 1	Domnick Hunter	
E1-PV	AH25-260 X 1	Hankison	
E200-265-B	8CC25-117 X 2	Van Air	
E200-265-C	6CC25-117 X 1	Van Air	
E200-265-RA	3PC25-117 X 4	Van Air	
E200-265-RB	8DC25-117 X 5	Van Air	
E200-265-RD	AC25-117 X 3	Van Air	
E295AA	6IF25-254 X 1	Domnick Hunter	
E295AC	AF25-254 X 1	Domnick Hunter	
E295AO	10IF25-254 X 1	Domnick Hunter	
E3-12	2CH10-020 X 1	Hankison	
E3-16	2CH10-036 X 1	Hankison	
E3-20	2CH10-060 X 1	Hankison	
E3-24	2CH16-066 X 1	Hankison	
E3-28	2CH16-108 X 1	Hankison	
E3-32	2CH19-131 X 1	Hankison	
E3-36	2CH19-176 X 1	Hankison	
E3-40	2CH25-204 X 1	Hankison	
E3-44	2CH25-265 X 1	Hankison	
E3-48	2CH25-323 X 1	Hankison	
E3-PV	2CH25-260 X 1	Hankison	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
E400AA	6CF35-165 X 1	Domnick Hunter	
E400AC	AF35-165 X 1	Domnick Hunter	
E400AO	10CF35-165 X 1	Domnick Hunter	
E500AA	6CF43-252 X 1	Domnick Hunter	
E500AC	AF43-252 X 1	Domnick Hunter	
E500AO	10CF43-252 X 1	Domnick Hunter	
E5-12	6CH10-020 X 1	Hankison	
E5-16	6CH10-036 X 1	Hankison	
E5-20	6CH10-060 X 1	Hankison	
E5-24	6CH16-066 X 1	Hankison	
E5-28	6CH16-108 X 1	Hankison	
E5-32	6CH19-131 X 1	Hankison	
E5-36	6CH19-176 X 1	Hankison	
E5-40	6CH25-204 X 1	Hankison	
E5-44	6CH25-265 X 1	Hankison	
E5-48	6CH25-323 X 1	Hankison	
E5-PV	6CH25-260 X 1	Hankison	
E620AA	6CF35-251 X 1	Domnick Hunter	
E620AC	AF35-251 X 1	Domnick Hunter	
E620AO	10CF35-251 X 1	Domnick Hunter	
E7-12	10CH10-020 X 1	Hankison	
E7-16	10CH10-036 X 1	Hankison	
E7-20	10CH10-060 X 1	Hankison	
E7-24	10CH16-066 X 1	Hankison	
E7-28	10CH16-108 X 1	Hankison	
E7-32	10CH19-131 X 1	Hankison	
E7-36	10CH19-176 X 1	Hankison	
E7-40	10CH25-204 X 1	Hankison	
E7-44	10CH25-265 X 1	Hankison	
E7-48	10CH25-323 X 1	Hankison	
E7-PV	10CH25-260 X 1	Hankison	
E9-12	100WS10-020 X 1	Hankison	
E9-16	100WS10-036 X 1	Hankison	
E9-20	100WS10-060 X 1	Hankison	
E9-24	100WS16-066 X 1	Hankison	
E9-28	100WS16-108 X 1	Hankison	
E9-32	100WS19-131 X 1	Hankison	
E9-36	100WS19-176 X 1	Hankison	
E9-40	100WS25-204 X 1	Hankison	
E9-44	100WS25-265 X 1	Hankison	
E9-48	100WS25-323 X 1	Hankison	
E9-PV	100WS25-260 X 1	Hankison	
EC100P	6CM15-060 X 4	Ultra Air	
ECS1050D	6CU32-290 X 1	Pioneer	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
ECS1250D	6CU32-350 X 1	Pioneer	
ECS155	6CU15-105 X 1	Pioneer	
ECS1650D	6QU52-290 X 1	Pioneer	
ECS2100D	6QU78-260 X 1	Pioneer	
ECS25	6CU10-035 X 1	Pioneer	
ECS250D	6IU20-133 X 1	Pioneer	
ECS3100D	6QU78-370 X 1	Pioneer	
ECS35	6CU10-035 X 1	Pioneer	
ECS350D	6IU20-195 X 1	Pioneer	
ECS450D	6CU25-198 X 1	Pioneer	
ECS60	6CU10-060 X 1	Pioneer	
ECS600D	6CU25-245 X 1	Pioneer	
ECS800D	6CU25-285 X 1	Pioneer	
EK600D	6CM15-185 X 2	Watts	KX-25
EK-600NB	6CM15-060 X 4	Watts	KX-23
EK600ND	*6CM15-185 X 2	Watts	KX-25
EKF101	6H10-029 X 8	Watts	
EKF10D	6IR04-019 X 4	Numatics	
EKF20D	6IR08-019 X 4	Numatics	
EKF30D	6IR10-034 X 4	Numatics	
EKF31	6H06-018 X 10	Watts	
EKF4 X 2	10RU25-281 X 1	Arrow	
EKF4 X 3	10RU25-281 X 1	Arrow	
EKF4 X 4	10RU25-281 X 1	Arrow	
EKF4 X 5	10RU25-281 X 1	Arrow	
EKF4 X 6	10RU25-281 X 1	Arrow	
EKF4 X 8	10RU25-281 X 1	Arrow	
EKF401	10RU07-018 X 8	Arrow	
EKF402	10RU10-021 X 8	Arrow	
EKF405	10RA20-040 X 4	Arrow	
EKF407	10RA20-071 X 2	Arrow	
EKF408	10RA20-080 X 2	Arrow	
EKF410	10RU25-101 X 2	Arrow	
EKF418	10RU25-181 X 1	Arrow	
EKF428	10RU25-281 X 1	Arrow	
EKF4N2	10RU25-281 X 1	Arrow	
EKF5 X 2	6IU25-281 X 1	Arrow	
EKF5 X 2A	2IU25-281 X 1	Arrow	
EKF5 X 3	6IU25-281 X 1	Arrow	
EKF5 X 3A	2IU25-281 X 1	Arrow	
EKF5 X 4	6IU25-281 X 1	Arrow	
EKF5 X 4A	2IU25-281 X 1	Arrow	
EKF5 X 5	6IU25-281 X 1	Arrow	
EKF5 X 5A	2IU25-281 X 1	Arrow	
EKF5 X 6	6IU25-281 X 1	Arrow	
EKF5 X 6A	2IU25-281 X 1	Arrow	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
EKF5 X 8	6IU25-281 X 1	Arrow	
EKF5 X 8A	2IU25-281 X 1	Arrow	
EKF501	6CU07-018 X 8	Arrow	
EKF501A	2CU07-018 X 8	Arrow	
EKF501H	6HM06-013 X 10	Watts	
EKF502	6CU10-022 X 8	Arrow	
EKF502A	2CU10-022 X 8	Arrow	
EKF505	6IA20-040 X 4	Arrow	
EKF505A	2IA20-040 X 4	Arrow	
EKF507	6IA20-071 X 2	Arrow	
EKF507	10HM06-013 X 10	Watts	
EKF507A	2IA20-071 X 2	Arrow	
EKF508	6IA20-080 X 2	Arrow	
EKF508A	2IA20-080 X 2	Arrow	
EKF51	6H08-015 X 10	Watts	
EKF510	6IU25-101 X 2	Arrow	
EKF510A	2IU25-101 X 2	Arrow	
EKF518	6IU25-181 X 1	Arrow	
EKF518A	2IU25-181 X 1	Arrow	
EKF528	6IU25-281 X 1	Arrow	
EKF528A	2IU25-281 X 1	Arrow	
EKF529	6CA29-280 X 1	Arrow	
EKF529A	2CA29-280 X 1	Arrow	
EKF5N2	6IU25-281 X 1	Arrow	
EKF5N2A	2IU25-281 X 1	Arrow	
EKF6 X 2	AU25-281 X 1	Arrow	
EKF6 X 3	AU25-281 X 1	Arrow	
EKF6 X 4	AU25-281 X 1	Arrow	
EKF6 X 5	AU25-281 X 1	Arrow	
EKF6 X 6	AU25-281 X 1	Arrow	
EKF6 X 8	AU25-281 X 1	Arrow	
EKF601	AU07-018 X 8	Arrow	
EKF601J	6CM10-025 X 8	Watts	KX-21
EKF601K	6CM10-050 X 4	Watts	KX-22
EKF601L	6CM15-060 X 4	Watts	KX-23
EKF602	AU10-022 X 8	Arrow	
EKF604	10HM10-022 X 8	Watts	KX-26
EKF605	AA20-040 X 4	Arrow	
EKF607	AA20-071 X 2	Arrow	
EKF608	AA20-080 X 2	Arrow	
EKF610	AU25-101 X 2	Arrow	
EKF618	AU25-181 X 1	Arrow	
EKF628	AU25-281 X 1	Arrow	
EKF629	AA29-280 X 1	Arrow	
EKF6N2	AU25-281 X 1	Arrow	
EMS1000D	4CU32-350 X 1	Pioneer	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
EMS1250D	4QU52-290 X 1	Pioneer	
EMS125D	4CU15-105 X 1	Pioneer	
EMS1600D	4QU78-260 X 1	Pioneer	
EMS185D	4IU20-133 X 1	Pioneer	
EMS20	4CU10-035 X 1	Pioneer	
EMS25	4CU10-035 X 1	Pioneer	
EMS2500D	4QU78-370 X 1	Pioneer	
EMS260D	4IU20-195 X 1	Pioneer	
EMS350D	4CU25-198 X 1	Pioneer	
EMS450D	4CU25-245 X 1	Pioneer	
EMS50	4CU10-060 X 1	Pioneer	
EMS600D	4CU25-285 X 1	Pioneer	
EMS800D	4CU32-290 X 1	Pioneer	
EP1001AO	6QP19-098 X 2	Domnick Hunter	
EP1001PL	3PP19-098 X 2	Domnick Hunter	
EPS100	3PU10-060 X 1	Pioneer	
EPS1000D	3PU25-245 X 1	Pioneer	
EPS1300D	3PU25-285 X 1	Pioneer	
EPS1700D	3PU32-290 X 1	Pioneer	
EPS2000D	3PU32-350 X 1	Pioneer	
EPS250D	3PU15-105 X 1	Pioneer	
EPS2600D	3PU52-290 X 1	Pioneer	
EPS30	3PU10-035 X 1	Pioneer	
EPS3500D	3PU78-260 X 1	Pioneer	
EPS40	3PU10-035 X 1	Pioneer	
EPS425D	3PU20-133 X 1	Pioneer	
EPS5200D	3PU78-370 X 1	Pioneer	
EPS550D	3PU20-195 X 1	Pioneer	
EPS750D	3PU25-198 X 1	Pioneer	
EZ1030AA	6CZ07-020 X 1	Domnick Hunter	
EZ1030AC	AZ07-020 X 1	Domnick Hunter	
EZ1030AO	10CZ07-020 X 1	Domnick Hunter	
EZ1050AA	6CZ12-023 X 1	Domnick Hunter	
EZ1050AC	AZ12-023 X 1	Domnick Hunter	
EZ1050AO	10CZ12-023 X 1	Domnick Hunter	
EZ1070AA	6CZ12-029 X 1	Domnick Hunter	
EZ1070AC	AZ12-029 X 1	Domnick Hunter	
EZ1070AO	10CZ12-029 X 1	Domnick Hunter	
EZ1140AA	6CZ12-056 X 1	Domnick Hunter	
EZ1140AC	AZ12-056 X 1	Domnick Hunter	
EZ1140AO	10CZ12-056 X 1	Domnick Hunter	
EZ2010AA	6CZ20-046 X 1	Domnick Hunter	
EZ2010AC	AZ20-046 X 1	Domnick Hunter	
EZ2010AO	10CZ20-046 X 1	Domnick Hunter	
EZ2020AA	6CZ20-086 X 1	Domnick Hunter	
EZ2020AC	AZ20-086 X 1	Domnick Hunter	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
EZ2020AO	10CZ20-086 X 1	Domnick Hunter	
EZ2030AA	6CZ20-126 X 1	Domnick Hunter	
EZ2030AC	AZ20-126 X 1	Domnick Hunter	
EZ2030AO	10CZ20-126 X 1	Domnick Hunter	
EZ2050AA	6CZ20-200 X 1	Domnick Hunter	
EZ2050AC	AZ20-200 X 1	Domnick Hunter	
EZ2050AO	10CZ20-200 X 1	Domnick Hunter	
EZ3050AA	6CZ27-200 X 1	Domnick Hunter	
EZ3050AC	AZ27-200 X 1	Domnick Hunter	
EZ3050AO	10CZ27-200 X 1	Domnick Hunter	
EZ3075AA	6CZ27-298 X 1	Domnick Hunter	
EZ3075AC	AZ27-298 X 1	Domnick Hunter	
EZ3075AO	10CZ27-298 X 1	Domnick Hunter	
EZ5060AA	6CZ46-239 X 1	Domnick Hunter	
EZ5060AC	AZ46-239 X 1	Domnick Hunter	
EZ5060AO	10CZ46-239 X 1	Domnick Hunter	
EZ5075AA	6CZ50-298 X 1	Domnick Hunter	
EZ5075AC	AZ50-298 X 1	Domnick Hunter	
EZ5075AO	10CZ50-298 X 1	Domnick Hunter	
F05013VE-T	10G04-013 X 10	Filtersoft	
F05013VE-W	10H04-013 X 10	Filtersoft	
F05013WE-T	8T04-013 X 10	Filtersoft	
F05013WE-W	8H04-013 X 10	Filtersoft	
F05013XE-T	6G04-013 X 10	Filtersoft	
F05013XE-W	6H04-013 X 10	Filtersoft	
F05023VE-T	10G04-023 X 10	Filtersoft	
F05023VE-W	10H04-023 X 10	Filtersoft	
F05023VH-TB	10T04-023 X 10	Filtersoft	
F05023WE-T	8T04-023 X 10	Filtersoft	
F05023WE-W	8H04-023 X 10	Filtersoft	
F05023XE-T	6G04-023 X 10	Filtersoft	
F05023XE-W	6H04-023 X 10	Filtersoft	
F05023XH-TB	6T04-023 X 10	Filtersoft	
F07013QE-CU	14JU07-013 X 10	Filtersoft	
F10020QE-CU	14JU10-020 X 10	Filtersoft	
F10020VE-W	10H10-020 X 8	Filtersoft	
F10020XE-W	6H10-020 X 8	Filtersoft	
F10025VE-T	10G10-025 X 10	Filtersoft	
F10025VE-W	10H10-025 X 8	Filtersoft	
F10025VH-TB	10T10-025 X 10	Filtersoft	
F10025WE-T	8T10-025 X 10	Filtersoft	
F10025WE-W	8H10-025 X 8	Filtersoft	
F10025XE-T	6G10-025 X 10	Filtersoft	
F10025XE-W	6H10-025 X 8	Filtersoft	
F10025XH-TB	6T10-025 X 10	Filtersoft	
F10050VE-W	10H10-050 X 4	Filtersoft	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
F10050WE-W	8H10-050 X 4	Filtersoft	
F10050XE-W	6H10-050 X 4	Filtersoft	
F10070VE-T	10G10-070 X 10	Filtersoft	
F10070VE-W	10H10-070 X 4	Filtersoft	
F10070VH-TB	10T10-070 X 10	Filtersoft	
F10070WE-T	8T10-070 X 10	Filtersoft	
F10070WE-W	8H10-070 X 4	Filtersoft	
F10070XE-T	6G10-070 X 10	Filtersoft	
F10070XE-W	6H10-070 X 4	Filtersoft	
F10070XH-TB	6T10-070 X 10	Filtersoft	
F15043QE-CU	14JU15-043 X 10	Filtersoft	
F15060AU	AB15-060 X 4	Filtersoft	
F15060AU	AU15-060 X 4	Filtersoft	
F15060VE-T	10G15-060 X 10	Filtersoft	
F15060VE-W	10H15-060 X 4	Filtersoft	
F15060WE-W	8H15-060 X 4	Filtersoft	
F15060XE-T	6G15-060 X 10	Filtersoft	
F15060XE-W	6H15-060 X 4	Filtersoft	
F20035VE-W	10H20-035 X 4	Filtersoft	
F20035WE-W	8H20-035 X 4	Filtersoft	
F20035XE-W	6H20-035 X 4	Filtersoft	
F20090AU	AB15-084 X 2	Filtersoft	
F20090VE-T	10G20-090 X 10	Filtersoft	
F20090VE-W	10H20-090 X 2	Filtersoft	
F20090WE-W	8H20-090 X 2	Filtersoft	
F20090XE-T	6G20-090 X 10	Filtersoft	
F20090XE-W	6H20-090 X 2	Filtersoft	
F20187AU	AP15-180 X 2	Filtersoft	
F20187VE-T	10G20-187 X 10	Filtersoft	
F20187VE-W	10H20-187 X 1	Filtersoft	
F20187WE-W	8H20-187 X 1	Filtersoft	
F20187XE-T	6G20-187 X 10	Filtersoft	
F20187XE-W	6H20-187 X 1	Filtersoft	
F20198AU	AP15-198 X 2	Filtersoft	
F26075QE-CU	14JU26-075 X 4	Filtersoft	
F26120QE-CU	14JU26-120 X 4	Filtersoft	
F26240QE-CU	14JU26-240 X 4	Filtersoft	
F350 (350°)	3PS19-187 X 1	Henderson	KX-16H
F350 (450°)	10DS19-187 X 1	Henderson	KX-16H
FA1030AP-AB	AZ07-020 X 1	Filtersoft	
FA1030K-CB	3PZ07-020 X 1	Filtersoft	
FA1030WE-CB	10CZ07-020 X 1	Filtersoft	
FA1030XE-CB	8CZ07-020 X 1	Filtersoft	
FA1030YE-CB	6CZ07-020 X 1	Filtersoft	
FA1050AP-AB	AZ12-023 X 1	Filtersoft	
FA1050K-CB	3PZ12-023 X 1	Filtersoft	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FA1050WE-CB	10CZ12-023 X 1	Filtersoft	
FA1050XE-CB	8CZ12-023 X 1	Filtersoft	
FA1050YE-CB	6CZ12-023 X 1	Filtersoft	
FA1070AP-AB	AZ12-029 X 1	Filtersoft	
FA1070K-CB	3PZ12-029 X 1	Filtersoft	
FA1070WE-CB	10CZ12-029 X 1	Filtersoft	
FA1070XE-CB	8CZ12-029 X 1	Filtersoft	
FA1070YE-CB	6CZ12-029 X 1	Filtersoft	
FA1140AP-AB	AZ12-056 X 1	Filtersoft	
FA1140K-CB	3PZ12-056 X 1	Filtersoft	
FA1140WE-CB	10CZ12-056 X 1	Filtersoft	
FA1140XE-CB	8CZ12-056 X 1	Filtersoft	
FA1140YE-CB	6CZ12-056 X 1	Filtersoft	
FA2010AP-AB	AZ20-046 X 1	Filtersoft	
FA2010K-CB	3PZ20-046 X 1	Filtersoft	
FA2010WE-CB	10CZ20-046 X 1	Filtersoft	
FA2010XE-CB	8CZ20-046 X 1	Filtersoft	
FA2010YE-CB	6CZ20-046 X 1	Filtersoft	
FA2020AP-AB	AZ20-086 X 1	Filtersoft	
FA2020K-CB	3PZ20-086 X 1	Filtersoft	
FA2020WE-CB	10CZ20-086 X 1	Filtersoft	
FA2020XE-CB	8CZ20-086 X 1	Filtersoft	
FA2020YE-CB	6CZ20-086 X 1	Filtersoft	
FA2030AP-AB	AZ20-126 X 1	Filtersoft	
FA2030K-CB	3PZ20-126 X 1	Filtersoft	
FA2030WE-CB	10CZ20-126 X 1	Filtersoft	
FA2030XE-CB	8CZ20-126 X 1	Filtersoft	
FA2030YE-CB	6CZ20-126 X 1	Filtersoft	
FA2050AP-AB	AZ20-200 X 1	Filtersoft	
FA2050K-CB	3PZ20-200 X 1	Filtersoft	
FA2050WE-CB	10CZ20-200 X 1	Filtersoft	
FA2050XE-CB	8CZ20-200 X 1	Filtersoft	
FA2050YE-CB	6CZ20-200 X 1	Filtersoft	
FA3050AP-AB	AZ27-200 X 1	Filtersoft	
FA3050K-CB	3PZ27-200 X 1	Filtersoft	
FA3050WE-CB	10CZ27-200 X 1	Filtersoft	
FA3050XE-CB	8CZ27-200 X 1	Filtersoft	
FA3050YE-CB	6CZ27-200 X 1	Filtersoft	
FA3075AP-AB	AZ27-298 X 1	Filtersoft	
FA3075K-CB	3PZ27-298 X 1	Filtersoft	
FA3075WE-CB	10CZ27-298 X 1	Filtersoft	
FA3075XE-CB	8CZ27-298 X 1	Filtersoft	
FA3075YE-CB	6CZ27-298 X 1	Filtersoft	
FA5075AP-AB	AZ50-298 X 1	Filtersoft	
FA5075K-CB	3PZ50-298 X 1	Filtersoft	
FA5075WE-CB	10CZ50-298 X 1	Filtersoft	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FA5075XE-CB	8CZ50-298 X 1	Filtersoft	
FA5075YE-CB	6CZ50-298 X 1	Filtersoft	
FB302VE-CB	8CF20-099 X 2	Filtersoft	
FB303VE-CB	8CF20-147 X 1	Filtersoft	
FB304VE-CB	8CF20-197 X 1	Filtersoft	
FE006AAYE-CB	6CF08-026 X 1	Filtersoft	
FE006AOVE-CBM	10CF08-026 X 1	Filtersoft	
FE013AAYE-CB	6IF10-032 X 1	Filtersoft	
FE013AOVE-CBM	10IF10-032 X 1	Filtersoft	
FE025AAYE-CB	6IF10-046 X 1	Filtersoft	
FE025AOVE-CBM	10IF10-046 X 1	Filtersoft	
FE040AAYE-CB	6IF20-063 X 1	Filtersoft	
FE040AOVE-CBM	10IF20-063 X 1	Filtersoft	
FE085AAYE-CB	6IF20-102 X 1	Filtersoft	
FE085AOVE-CBM	10IF20-102 X 1	Filtersoft	
FE195AAYE-CB	6IF25-134 X 1	Filtersoft	
FE195AC-AB	AF25-134 X 1	Filtersoft	
FE195AOVE-CBM	10IF25-134 X 1	Filtersoft	
FE295AAYE-CB	6IF25-254 X 1	Filtersoft	
FE295AC-AB	AF25-254 X 1	Filtersoft	
FE295AOVE-CBM	10IF25-254 X 1	Filtersoft	
FE400AAYE-CB	6CF35-165 X 1	Filtersoft	
FE400AC-AB	AF35-165 X 1	Filtersoft	
FE400AOVE-CBM	10CF35-165 X 1	Filtersoft	
FE500AAYE-CB	6CF43-252 X 1	Filtersoft	
FE500AC-AB	AF43-252 X 1	Filtersoft	
FE500AOVE-CBM	10CF43-252 X 1	Filtersoft	
FF 02/05	10HJN08-024 X 1	Ultrafilter	
FF 03/05	10HJN08-030 X 1	Ultrafilter	
FF 03/10	10CJN10-030 X 1	Ultrafilter	
FF 04/10	10CJN10-040 X 1	Ultrafilter	
FF 04/20	10CJN13-040 X 1	Ultrafilter	
FF 05/20	10CJN13-050 X 1	Ultrafilter	
FF 05/25	10IJN15-050 X 1	Ultrafilter	
FF 07/25	10IJN15-070 X 1	Ultrafilter	

*Please refer to appropriate competitor section for complete conversion details.

Par-Fit
Conversion
Elements

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FF 07/30	10IJN25-070 X 1	Ultrafilter	
FF 10/3	10IJ25-100 X 1	Ultrafilter	
FF 10/30	10IJN25-100 X 1	Ultrafilter	
FF 15/3	10IG25-150 X 1	Ultrafilter	
FF 15/30	10IGN25-150 X 1	Ultrafilter	
FF 20/3	10IG25-200 X 1	Ultrafilter	
FF 20/30	10IGN25-200 X 1	Ultrafilter	
FF 3/1	10CJ10-030 X 1	Ultrafilter	
FF 3/1,5	10CJ13-030 X 1	Ultrafilter	
FF 30/3	10IG25-300 X 1	Ultrafilter	
FF 30/30	10IGN25-300 X 1	Ultrafilter	
FF 30/5	10QG43-300 X 1	Ultrafilter	
FF 30/50	10QGN43-300 X 1	Ultrafilter	
FF 4/1,5	10CJ13-044 X 1	Ultrafilter	
FF 4/2,5	10IJ15-040 X 1	Ultrafilter	
FF 5/2,5	10IJN15-050 X 1	Ultrafilter	
FF 5/3	10IJ25-050 X 1	Ultrafilter	
FH71311YE-CB	6CH25-260 X 1	Filtersoft	
FH7132YE-CB	6CM10-025 X 8	Filtersoft	KX-21
FH7133YE-CB	6CM10-050 X 4	Filtersoft	KX-22
FH7134YE-CB	6CM15-060 X 4	Filtersoft	KX-23
FH7135YE-CB	6CM15-095 X 2	Filtersoft	KX-24
FH7136YE-CB	6CM15-185 X 2	Filtersoft	KX-25
FH7137YE-CB	6CU25-187 X 1	Filtersoft	KX-2
FH7138YE-CB	6CU25-187 X 1	Filtersoft	KX-2
FH7139YE-CB	6CH25-260 X 1	Filtersoft	
FH71511-AB	AH25-260 X 1	Filtersoft	
FH7152-AB	AM10-025 X 8	Filtersoft	KX-21
FH7153-AB	AM10-050 X 4	Filtersoft	KX-22
FH7154-AB	AM15-060 X 4	Filtersoft	KX-23
FH7155-AB	AM15-095 X 2	Filtersoft	KX-24
FH7156-AB	AM15-185 X 2	Filtersoft	KX-25
FH7157-AB	AU25-187 X 1	Filtersoft	KX-2
FH7158-AB	AU25-187 X 1	Filtersoft	KX-2
FH7159-AB	AH25-260 X 1	Filtersoft	
FH7313VE-CB	10CM10-025 X 8	Filtersoft	KX-21
FH7314VE-CB	10CM10-050 X 4	Filtersoft	KX-22
FH7315VE-CB	10CM15-060 X 4	Filtersoft	KX-23
FH7316VE-CB	10CM15-095 X 1	Filtersoft	KX-24
FH7317VE-CB	10CM15-185 X 2	Filtersoft	KX-25
FH7318VE-CB	10CU25-187 X 1	Filtersoft	KX-2

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FH7319VE-CB	10CH25-260 X 1	Filtersoft	
FI1306XE-C	6C85-250 X 1	Filtersoft	
FI1355XE-C	6C85-250 X 1	Filtersoft	
FI1645XE-C	6C85-360 X 1	Filtersoft	
FI1777XE-C	6C85-360 X 1	Filtersoft	
FN10DXE-CB	6IR04-019 X 4	Filtersoft	
FN20DXE-CB	6IR08-019 X 4	Filtersoft	
FN30DXE-CB	6IR10-034 X 4	Filtersoft	
FP14051J-PB	3PP14-051 X 4	Filtersoft	
FP14051XE-CB	6QP14-051 X 4	Filtersoft	
FP19098J-PU	3PP19-098 X 2	Filtersoft	
FP19098VH-RS	10DP19-098 X 2	Filtersoft	
FP19098VH-RSI	10DPS19-098 X 2	Filtersoft	
FP19098XE-CU	6QP19-098 X 2	Filtersoft	
FP19098XE-DB	6QP19-098 X 2	Filtersoft	
FP19098XK-CB	6QP19-098 X 2	Filtersoft	
FP19198J-PU	3PP19-198 X 2	Filtersoft	
FP19198VH-RS	10DP19-198 X 2	Filtersoft	
FP19198VH-RSI	10DPS19-198 X 2	Filtersoft	
FP19198XE-CU	6QP19-198 X 2	Filtersoft	
FP19198XE-DB	6QP19-198 X 2	Filtersoft	
FP19298XE-CU	6QP19-298 X 1	Filtersoft	
FP19298XE-DB	6QP19-298 X 1	Filtersoft	
FP26132J-PU	3PP26-132 X 2	Filtersoft	
FP26132VH-RS	10DP26-132 X 2	Filtersoft	
FP26132XK-CBI	6QP28-132 X 2	Filtersoft	
FP26132XK-CU	6QP28-132 X 2	Filtersoft	
FP26132XK-CUI	6QPS28-132 X 2	Filtersoft	
FP26265J-PU	3PP26-265 X 1	Filtersoft	
FP26265VH-RS	10DP26-265 X 1	Filtersoft	
FP26265XK-CU	6QP28-265 X 1	Filtersoft	
FP30142J-PB	3PP30-143 X 1	Filtersoft	
FP30142J-PBI	3PP30-143 X 1	Filtersoft	
FP30142VH-RV	10DP30-143 X 1	Filtersoft	
FP30142VH-RVI	10DPS30-143 X 1	Filtersoft	
FP30142XE-CB	6QP30-143 X 1	Filtersoft	
FP30142XE-CBI	6QPS30-143 X 1	Filtersoft	
FP30295J-PB	3PP30-295 X 1	Filtersoft	
FP30295J-PBI	3PP30-295 X 1	Filtersoft	
FP30295VH-RV	10DP30-295 X 1	Filtersoft	
FP30295VH-RVI	10DPS30-295 X 1	Filtersoft	

*Please refer to appropriate competitor section for complete conversion details.

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Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FP30295XE-CB	6QP30-295 X 1	Filtersoft	
FP30295XE-CBI	6QPS30-295 X 1	Filtersoft	
FRP-85-168	14JU26-120 X 4	Wilkerson	
FRP-85-169	14JU26-240 X 4	Wilkerson	
FRP-95-115	14JU10-020 X 10	Wilkerson	
FRP-95-160	14JU07-013 X 10	Wilkerson	
FRP-95-172	14JU26-075 X 4	Wilkerson	
FRP-95-203	14JU26-075 X 4	Wilkerson	
FRP-95-206	14JU10-020 X 10	Wilkerson	
FRP-95-209	14JU15-043 X 10	Wilkerson	
FRP-95-210	14JU15-043 X 10	Wilkerson	
FRP-95-212	14JU26-120 X 4	Wilkerson	
FRP-95-213	14JU26-240 X 4	Wilkerson	
FRP-95-236	14JU10-020 X 10	Wilkerson	
FRP-95-267	14JU07-013 X 10	Wilkerson	
FRP-95-268	14JU10-020 X 10	Wilkerson	
FRP-95-269	14JU10-020 X 10	Wilkerson	
FRP-95-271	14JU15-043 X 10	Wilkerson	
FRP-95-272	14JU15-043 X 10	Wilkerson	
FRP-95-273	14JU26-075 X 4	Wilkerson	
FRP-95-274	14JU26-075 X 4	Wilkerson	
FRP-95-566	14JU26-075 X 4	Wilkerson	
FRP-95-567	14JU26-075 X 4	Wilkerson	
FS1357YE-CB	6CJ25-120 X 2	Filtersoft	
FS1358YE-CB	6CJ25-120 X 2	Filtersoft	
FS1359YE-CB	6CJ25-240 X 1	Filtersoft	
FS1360YE-CB	6CJ25-240 X 1	Filtersoft	
FS1361YE-CB	6CJ25-240 X 1	Filtersoft	
FS1362YE-CB	6CJ25-240 X 1	Filtersoft	
FS1367YE-CB	6CJ25-240 X 1	Filtersoft	
FS1368YE-CB	6CJ25-240 X 1	Filtersoft	
FS1370-AB	AJ25-240 X 1	Filtersoft	
FS1372-AB	AJ25-120 X 2	Filtersoft	
FS1373-AB	AJ25-120 X 2	Filtersoft	
FS1375-AB	AJ25-240 X 1	Filtersoft	
FS1377-AB	AJ25-240 X 1	Filtersoft	
FS1378-AB	AJ25-240 X 1	Filtersoft	
FS1379-AB	AJ25-240 X 1	Filtersoft	
FS1407YE-CB	6CJ25-120 X 2	Filtersoft	
FS1408YE-CB	6CJ25-240 X 1	Filtersoft	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FS1412-AB	AJ25-120 X 2	Filtersoft	
FS1413-AB	AJ25-240 X 1	Filtersoft	
FS1413YE-CB	6CJ25-240 X 1	Filtersoft	
FS1418-AB	AJ25-240 X 1	Filtersoft	
FS5025-AB	AJ25-240 X 1	Filtersoft	
FS5027-AB	AJ25-240 X 1	Filtersoft	
FUF0205WE-CB	10HJN08-024 X 1	Filtersoft	
FUF0305WE-CB	10HJN08-030 X 1	Filtersoft	
FUF0310WE-CB	10CJN10-030 X 1	Filtersoft	
FUF0410WE-CB	10CJN10-040 X 1	Filtersoft	
FUF0420WE-CB	10CJN13-040 X 1	Filtersoft	
FUF0520WE-CB	10CJN13-050 X 1	Filtersoft	
FUF0525WE-CB	10IJN15-050 X 1	Filtersoft	
FUF0725WE-CB	10IJN15-070 X 1	Filtersoft	
FUF0730WE-CB	10IJN25-070 X 1	Filtersoft	
FUF1030WE-CB	10IJN25-100 X 1	Filtersoft	
FUF103WE-CB	10IJ25-100 X 1	Filtersoft	
FUF1530WE-CB	10IGN25-150 X 1	Filtersoft	
FUF153WE-CB	10IG25-150 X 1	Filtersoft	
FUF2030WE-CB	10IGN25-200 X 1	Filtersoft	
FUF203WE-CB	10IG25-200 X 1	Filtersoft	
FUF3030WE-CB	10IGN25-300 X 1	Filtersoft	
FUF303WE-CB	10IG25-300 X 1	Filtersoft	
FUF3050WE-CB	10QGN43-300 X 1	Filtersoft	
FUF305WE-CB	10QG43-300 X 1	Filtersoft	
FUF315WE-CB	10CJ13-030 X 1	Filtersoft	
FUF31WE-CB	10CJ10-030 X 1	Filtersoft	
FUF415WE-CB	10CJ13-044 X 1	Filtersoft	
FUF425WE-CB	10IJ15-040 X 1	Filtersoft	
FUF525WE-CB	10IJN15-050 X 1	Filtersoft	
FUF53WE-CB	10IJ25-050 X 1	Filtersoft	
FUK0205-AB	AJN08-024 X 1	Filtersoft	
FUK0305-AB	AJN08-030 X 1	Filtersoft	
FUK0310-AB	AJN10-030 X 1	Filtersoft	
FUK0410-AB	AJN10-040 X 1	Filtersoft	
FUK0420-AB	AJN13-040 X 1	Filtersoft	
FUK0520-AB	AJN13-050 X 1	Filtersoft	
FUK0525-AB	AJN15-050 X 1	Filtersoft	

*Please refer to appropriate competitor section for complete conversion details.

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Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FUK0725-AB	AJN15-070 X 1	Filtersoft	
FUK0730-AB	AJN25-070 X 1	Filtersoft	
FUK1030-AB	AJN25-100 X 1	Filtersoft	
FUK103-AB	AJ25-100 X 1	Filtersoft	
FUK1530-AB	AGN25-150 X 1	Filtersoft	
FUK153-AB	AG25-150 X 1	Filtersoft	
FUK2030-AB	AGN25-200 X 1	Filtersoft	
FUK203-AB	AG25-200 X 1	Filtersoft	
FUK3030-AB	AGN25-300 X 1	Filtersoft	
FUK303-AB	AG25-300 X 1	Filtersoft	
FUK3050-AB	AGN43-300 X 1	Filtersoft	
FUK305-AB	AG43-300 X 1	Filtersoft	
FUK315-AB	AJ13-030 X 1	Filtersoft	
FUK31-AB	AJ10-030 X 1	Filtersoft	
FUK415-AB	AJ13-044 X 1	Filtersoft	
FUK425-AB	AJ15-040 X 1	Filtersoft	
FUK525-AB	AJN15-050 X 1	Filtersoft	
FUK53-AB	AJ25-050 X 1	Filtersoft	
FUM0205XE-CB	6HJN08-024 X 1	Filtersoft	
FUM0305XE-CB	6HJN08-030 1	Filtersoft	
FUM0310XE-CB	6CJN10-030 X 1	Filtersoft	
FUM0410XE-CB	6CJN10-040 X 1	Filtersoft	
FUM0420XE-CB	6CJN13-040 X 1	Filtersoft	
FUM0520XE-CB	6CJN13-050 X 1	Filtersoft	
FUM0525XE-CB	6IJN15-050 X 1	Filtersoft	
FUM0725XE-CB	6IJN15-070 X 1	Filtersoft	
FUM0730XE-CB	6IJN25-070 X 1	Filtersoft	
FUM1030XE-CB	6IJN25-100 X 1	Filtersoft	
FUM103XE-CB	6IJ25-100 X 1	Filtersoft	
FUM1530XE-CB	6IGN25-150 X 1	Filtersoft	
FUM153XE-CB	6IG25-150 X 1	Filtersoft	
FUM2030XE-CB	6IGN25-200 X 1	Filtersoft	
FUM203XE-CB	6IG25-200 X 1	Filtersoft	
FUM3030XE-CB	6IGN25-300 X 1	Filtersoft	
FUM303XE-CB	6IG25-300 X 1	Filtersoft	
FUM3050XE-CB	6QGN43-300 X 1	Filtersoft	
FUM3050XE-CB	6QGN43-300 X 1	Filtersoft	
FUM305XE-CB	6QG43-300 X 1	Filtersoft	
FUM315XE-CB	6CJ13-030 X 1	Filtersoft	
FUM31XE-CB	6CJ10-030 X 1	Filtersoft	
FUM415XE-CB	6CJ13-044 X 1	Filtersoft	
FUM425XE-CB	6IJ15-040 X 1	Filtersoft	
FUM525XE-CB	6IJN15-050 X 1	Filtersoft	
FUM53XE-CB	6IJ25-050 X 1	Filtersoft	
FUS0205YE-CB	4HJN08-024 X 1	Filtersoft	
FUS0305YE-CB	4HJN08-030 X 1	Filtersoft	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FUS0310YE-CB	4CJN10-030 X 1	Filtersoft	
FUS0410YE-CB	4CJN10-040 X 1	Filtersoft	
FUS0420YE-CB	4CJN13-040 X 1	Filtersoft	
FUS0520YE-CB	4CJN13-050 X 1	Filtersoft	
FUS0525YE-CB	4IJN15-050 X 1	Filtersoft	
FUS0725YE-CB	4IJN15-070 X 1	Filtersoft	
FUS0730YE-CB	4IJN25-070 X 1	Filtersoft	
FUS1030YE-CB	4IJN25-100 X 1	Filtersoft	
FUS103YE-CB	4IJ25-100 X 1	Filtersoft	
FUS1530YE-CB	4IGN25-150 X 1	Filtersoft	
FUS153YE-CB	4IG25-150 X 1	Filtersoft	
FUS2030YE-CB	4IGN25-200 X 1	Filtersoft	
FUS203YE-CB	4IG25-200 X 1	Filtersoft	
FUS3030YE-CB	4IGN25-300 X 1	Filtersoft	
FUS303YE-CB	4IG25-300 X 1	Filtersoft	
FUS3050YE-CB	4QGN43-300 X 1	Filtersoft	
FUS305YE-CB	4QG43-300 X 1	Filtersoft	
FUS315YE-CB	4CJ13-030 X 1	Filtersoft	
FUS31YE-CB	4CJ10-030 X 1	Filtersoft	
FUS415YE-CB	4CJ13-044 X 1	Filtersoft	
FUS425YE-CB	4IJ15-040 X 1	Filtersoft	
FUS525YE-CB	4IJN15-050 X 1	Filtersoft	
FUS53YE-CB	4IJ25-050 X 1	Filtersoft	
FV1500VE-CB	10ICC25-240 X 1	Filtersoft	
FV1500VE-SBM	10DC25-240 X 1	Filtersoft	
FV1500VH-SBM	10DC25-240 X 1	Filtersoft	
FV1500XE-CB	8ICC25-240 X 1	Filtersoft	
FV1500XE-SBM	8DC25-240 X 1	Filtersoft	
FV1500ZE-CB	6ICC25-240 X 1	Filtersoft	
FV1500ZE-SBM	6DC25-240 X 1	Filtersoft	
FV15XE-CB2	6CC15-150 X 2	Filtersoft	
FV15ZE-CB2	2CC15-150 X 2	Filtersoft	
FV1625VE-CB	10ICC25-300 X 1	Filtersoft	
FV1625VE-SBM	10DC25-300 X 1	Filtersoft	
FV1625VH-SBM	10DC25-300 X 1	Filtersoft	
FV1625XE-CB	8ICC25-300 X 1	Filtersoft	
FV1625XE-SBM	8DC25-300 X 1	Filtersoft	
FV1625ZE-CB	6ICC25-300 X 1	Filtersoft	
FV1625ZE-SBM	6DC25-300 X 1	Filtersoft	
FV22XE-CB	6ICC25-220 X 1	Filtersoft	

*Please refer to appropriate competitor section for complete conversion details.

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Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
FV22ZE-CB	2ICC25-220 X 1	Filtersoft	
FV860XE-CB	6CC15-060 X 2	Filtersoft	
FV860ZE-CB	2CC15-060 X 2	Filtersoft	
FV8XE-CB	6CC15-080 X 2	Filtersoft	
FV8ZE-CB	2CC15-080 X 2	Filtersoft	
FVKE15H-RSA	10DC15-150 X 2	Filtersoft	
FVKE15J-PB	3PC15-150 X 2	Filtersoft	
FVKE22H-RSA	10DC25-220 X 1	Filtersoft	
FVKE22J-PB	3PCC25-220 X 1	Filtersoft	
FVKE6J-PB	3PC15-080 X 2	Filtersoft	
FVKEJ-PB	3PC15-060 X 2	Filtersoft	
FW532-AS	AK15-052 X 4	Filtersoft	
FW534-AB	AK25-238 X 1	Filtersoft	
FW535-AB	AL25-063 X 2	Filtersoft	
FW538-AB	AK35-074 X 2	Filtersoft	
FW540-AB	AL10-024 X 4	Filtersoft	
FW548YE-CB	6HL10-021 X 4	Filtersoft	
FW549YE-CB	6CL10-024 X 4	Filtersoft	
FW550YE-CB	6CU10-052 X 4	Filtersoft	
FW551YE-CS	6CK15-052 X 4	Filtersoft	
FW552YE-CB	6CL25-063 X 2	Filtersoft	
FW553YE-CB	6CK35-074 X 2	Filtersoft	
FW554YE-CB	6CK25-119 X 2	Filtersoft	
FW555YE-CB	6CK25-238 X 1	Filtersoft	
FW556WE-CB	8CK25-119 X 2	Filtersoft	
FW557WE-CB	8CK25-238 X 1	Filtersoft	
FW558-AB	AK25-080 X 2	Filtersoft	
FW559YE-CB	6CK25-080 X 2	Filtersoft	
FW560YE-CBA	6CK35-074 X 2	Filtersoft	
FW561YE-CBA	6CK35-106 X 1	Filtersoft	
FW562YE-CBA	6CK35-172 X 1	Filtersoft	
FW563-ABA	AK35-074 X 2	Filtersoft	
FW564-ABA	AK35-106 X 1	Filtersoft	
FW565-ABA	AK35-172 X 1	Filtersoft	
FW874WE-CBA	8CK35-074 X 2	Filtersoft	
FW875WE-CBA	8CK35-106 X 1	Filtersoft	
FW876WE-CBA	8CK35-172 X 1	Filtersoft	
FW988WE-CB	8HL10-021 X 4	Filtersoft	
FW989WE-CB	8CL10-024 X 4	Filtersoft	
FW992WE-CS	8CK15-052 X 4	Filtersoft	
G78A3 (9-3/4")	3PP15-098 X 2	Cuno	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
G78B2 (9-3/4")	3PP15-098 X 2	Cuno	
G80A3 (10")	3PP15-100 X 2	Cuno	
G80B2 (10")	3PP15-100 X 2	Cuno	
GPC-125PF	6QP19-075 X 2	Pall/PPC	
GPC-175AF	3PP19-075 X 2	Pall/PPC	
H130	10DZ15-060	Zeks	
H230	10DZ15-095	Zeks	
H300	10DZ19-095	Zeks	
H450	10DZ19-193	Zeks	
H600	10DZ19-193	Zeks	
HK71311C	6CH25-260 X 1	Flair	
HK71312C	6CU25-187 X 1	Flair	KX-2
HK7132C	6CM10-025 X 8	Flair	KX-21
HK7133C	6CM10-050 X 4	Flair	KX-22
HK7134C	6CM15-060 X 4	Flair	KX-23
HK7135C	6CM15-095 X 2	Flair	KX-24
HK7136C	6CM15-185 X 2	Flair	KX-25
HK7137C	6CU25-187 X 1	Flair	KX-2
HK7313P	10CM10-025 X 8	Flair	KX-21
HK7314P	10CM10-050 X 4	Flair	KX-22
HK7315P	10CM15-060 X 4	Flair	KX-23
HK7316P	10CM15-095 X 2	Flair	KX-24
HK7317P	10CM15-185 X 2	Flair	KX-25
HK7318P	10CU25-187 X 1	Flair	KX-2
HK7319P	10CH25-260 X 1	Flair	
K145AA	6IF20-102 X 1	Domnick Hunter	
K145ACS	AF20-102 X 1	Domnick Hunter	
K145AO	10IF20-102 X 1	Domnick Hunter	
K220AA	6IF25-134 X 1	Domnick Hunter	
K220ACS	AF25-134 X 1	Domnick Hunter	
K220AO	10IF25-134 X 1	Domnick Hunter	
K330AA	6IF25-254 X 1	Domnick Hunter	
K330ACS	AF25-254 X 1	Domnick Hunter	
K330AO	10IF25-254 X 1	Domnick Hunter	
K430AA	6CF35-165 X 1	Domnick Hunter	
K430ACS	AF35-165 X 1	Domnick Hunter	
K430AO	10CF35-165 X 1	Domnick Hunter	
KE-15	3PC15-150 X 2	Van Air	
KE-15HT	10DC15-150 X 2	Van Air	
KE-22	3PCC25-220 X 1	Van Air	
KE-22HT	10DC25-220 X 1	Van Air	
KE-6/100	3PC15-080 X 2	Van Air	
KE-6/60	3PC15-060 X 2	Van Air	
L100	6CZ15-060	Zeks	
L140	6CZ15-095	Zeks	
L18	6CZ10-025	Zeks	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
L200	6CZ19-095	Zeks	
L300	6CZ19-193	Zeks	
L400	6CZ19-193	Zeks	
L50	6CZ10-050	Zeks	
L80	6CZ15-060	Zeks	
MCC-1001HT	10DP19-098 X 2	Pall/PPC	
MCC-1001SU	6QP19-098 X 2	Pall/PPC	
MCC-1002HT	10DP19-198 X 2	Pall/PPC	
MCC-1002SU	6QP19-198 X 2	Pall/PPC	
MCC-1201HT	10DP26-132 X 2	Pall/PPC	
MCC-1201SU	6QP28-132 X 2	Pall/PPC	
MCC-1202HT	10DP26-265 X 1	Pall/PPC	
MCC-1202SU	6QP28-265 X 1	Pall/PPC	
MCC-4463SU	6QP14-051 X 4	Pall/PPC	
MCS-1001CE	AP19-098 X 2	Pall/PPC	
MCS-1001HT	10DPS19-098 X 2	Pall/PPC	
MCS-1001SU	6QP19-098 X 2	Pall/PPC	
MCS-1002HT	10DPS19-198 X 2	Pall/PPC	
MCS-4463AF	3PP14-051 X 4	Pall/PPC	
MCS-4463EC	3PP14-051 X 4	Pall/PPC	
MCS-4463SU	6QP14-051 X 4	Pall/PPC	
MDC-1001AF	3PP19-098 X 2	Pall/PPC	
MDC-1001CE	AP19-098 X 2	Pall/PPC	
MDC-1001CV	AP19-098 X 2	Pall/PPC	
MDC-1001HT	10DP19-098 X 2	Pall/PPC	
MDC-1001SAU	AP19-098 X 2	Pall/PPC	
MDC-1001SU	6QP19-098 X 2	Pall/PPC	
MDC-1002AF	3PP19-198 X 2	Pall/PPC	
MDC-1002HT	10DP19-198 X 2	Pall/PPC	
MDC-1002SAU	AP19-198 X 2	Pall/PPC	
MDC-1201AF	3PP26-132 X 2	Pall/PPC	
MDC-1201HT	10DP26-132 X 2	Pall/PPC	
MDC-1201SAU	AP26-132 X 2	Pall/PPC	
MDC-1201SU	6QP28-132 X 2	Pall/PPC	
MDC-1202EC	3PP26-265 X 1	Pall/PPC	
MDC-1202HT	10DP26-265 X 1	Pall/PPC	
MDC-1202SAU	AP26-265 X 1	Pall/PPC	
MDC-1202SU	6QP28-265 X 1	Pall/PPC	
MDC-4463AF	3PP14-051 X 4	Pall/PPC	
MDC-4463SAU	AP14-051 X 4	Pall/PPC	
MDC-4463SU	6QP14-051 X 4	Pall/PPC	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
MDS-1001HT	10DPS19-098 X 2	Pall/PPC	
MDS-1001SU	6QP19-098 X 2	Pall/PPC	
MDS-1002HT	10DPS19-198 X 2	Pall/PPC	
MDS-1201SU	6QPS28-132 X 2	Pall/PPC	
MDS-4463SU	6QP14-051 X 4	Pall/PPC	
MF 02/05	6HJN08-024 X 1	Ultrafilter	
MF 03/05	6HJN08-030 X 1	Ultrafilter	
MF 03/10	6CJN10-030 X 1	Ultrafilter	
MF 04/10	6CJN10-040 X 1	Ultrafilter	
MF 04/20	6CJN13-040 X 1	Ultrafilter	
MF 05/20	6CJN13-050 X 1	Ultrafilter	
MF 05/25	6IJN15-050 X 1	Ultrafilter	
MF 07/25	6IJN15-070 X 1	Ultrafilter	
MF 07/30	6IJN25-070 X 1	Ultrafilter	
MF 10/3	6IJ25-100 X 1	Ultrafilter	
MF 10/30	6IJN25-100 X 1	Ultrafilter	
MF 15/3	6IG25-150 X 1	Ultrafilter	
MF 15/30	6IGN25-150 X 1	Ultrafilter	
MF 20/3	6IG25-200 X 1	Ultrafilter	
MF 20/30	6IGN25-200 X 1	Ultrafilter	
MF 3/1	6CJ10-030 X 1	Ultrafilter	
MF 3/1,5	6CJ13-030 X 1	Ultrafilter	
MF 30/3	6IG25-300 X 1	Ultrafilter	
MF 30/30	6IGN25-300 X 1	Ultrafilter	
MF 30/5	6QG43-300 X 1	Ultrafilter	
MF 30/50	6QGN43-300 X 1	Ultrafilter	
MF 4/1,5	6CJ13-044 X 1	Ultrafilter	
MF 4/2,5	6IJ15-040 X 1	Ultrafilter	
MF 5/2,5	6IJN15-050 X 1	Ultrafilter	
MF 5/3	6IJ25-050 X 1	Ultrafilter	
MRP-15-140	6CU10-021 X 8	Wilkerson	KY- 1
MRP-15-143	6CK35-074 X 2	Wilkerson	
MRP-15-411	6CU10-052 X 4	Wilkerson	KY-2
MRP-15-412	6CL25-063 X 2	Wilkerson	
MRP-15-441	6CU10-052 X 4	Wilkerson	KY-2
MRP-15-508	6CK25-119 X 2	Wilkerson	
MRP-15-513	6CK25-238 X 1	Wilkerson	
MRP-15-532	AU10-052 X 4	Wilkerson	KY-2
MRP-15-533	AK25-119 X 2	Wilkerson	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
MRP-15-534	AK25-238 X 1	Wilkerson	
MRP-15-535	AL25-063 X 2	Wilkerson	
MRP-15-536	AU10-021 X 1	Wilkerson	KY-1
MRP-15-537	AU10-052 X 4	Wilkerson	KY-2
MRP-15-538	AK35-074 X 2	Wilkerson	
MRP-95-534	AK25-238 X 1	Wilkerson	
MSP-95-556	8CK25-119 X 2	Wilkerson	
MSP-95-557	8CK25-238 X 1	Wilkerson	
MSP-95-873	8CK25-080 X 2	Wilkerson	
MSP-95-874	8CK35-074 X 2	Wilkerson	
MSP-95-875	8CK35-106 X 1	Wilkerson	
MSP-95-876	8CK35-172 X 1	Wilkerson	
MSP-95-988	8HL10-021 X 4	Wilkerson	
MSP-95-989	8CL10-024 X 4	Wilkerson	
MSP-95-992	8CK15-052 X 4	Wilkerson	
MTP-95-548	6HL10-021 X 4	Wilkerson	
MTP-95-549	6CL10-024 X 4	Wilkerson	
MTP-95-550	6CU10-052 X 4	Wilkerson	KY-2
MTP-95-551	6CK15-052 X 4	Wilkerson	
MTP-95-552	6CL25-063 X 2	Wilkerson	
MTP-95-553	6CK35-074 X 2	Wilkerson	
MTP-95-554	6CK25-119 X 2	Wilkerson	
MTP-95-555	6CK25-238 X 1	Wilkerson	
MTP-95-559	6CK25-080 X 2	Wilkerson	
MTP-95-560	6CK35-074 X 2	Wilkerson	
MTP-95-561	6CK35-106 X 1	Wilkerson	
MTP-95-562	6CK35-172 X 1	Wilkerson	
MXP-15-533	AK25-119 X 2	Wilkerson	
MXP-95-532	AK15-052 X 4	Wilkerson	
MXP-95-535	AL25-063 X 2	Wilkerson	
MXP-95-536	AU10-021 X 8	Wilkerson	KY-1
MXP-95-538	AK35-074 X 2	Wilkerson	
MXP-95-540	AL10-024 X 4	Wilkerson	
MXP-95-558	AK25-080 X 2	Wilkerson	
MXP-95-563	AK35-074 X 2	Wilkerson	
MXP-95-564	AK35-106 X 1	Wilkerson	
MXP-95-565	AK35-172 X 1	Wilkerson	
MXP-95-987	AL10-021 X 4	Wilkerson	
OL-5C	6QP14-051 X 4	Pall/PPC	
OL-9C	6QP19-098 X 2	Pall/PPC	
P150	3PZ15-060	Zeks	
P275	3PZ15-095	Zeks	
P30	3PZ10-025	Zeks	
P330	3PZ19-095	Zeks	
P500	3PZ19-193	Zeks	
P670	3PZ19-193	Zeks	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
P75	3PZ10-050	Zeks	
P-AK 07/30	AGN25-070 X 1	Ultrafilter	
P-AK 10/30	AGN25-100 X 1	Ultrafilter	
PCC-060AF	3PP14-051 X 4	Pall/PPC	
PCC-1001AF	3PP19-098 X 2	Pall/PPC	
PCC-1001HT	10DP19-098 X 2	Pall/PPC	
PCC-1001SU	6QP19-098 X 2	Pall/PPC	
PCC-1002AF	3PP19-198 X 2	Pall/PPC	
PCC-1002HT	10DP19-198 X 2	Pall/PPC	
PCC-1002SU	6QP19-198 X 2	Pall/PPC	
PCC-1003AF	3PP19-298 X 1	Pall/PPC	
PCC-1003HT	10DP19-298 X 1	Pall/PPC	
PCC-1003SU	6QP19-298 X 1	Pall/PPC	
PCC-1200AF	3PP30-295 X 1	Pall/PPC	
PCC-1200HT	10DP30-295 X 1	Pall/PPC	
PCC-1200SU	6QP30-295 X 1	Pall/PPC	
PCC-1201AF	3PP26-132 X 2	Pall/PPC	
PCC-1201HT	10DP26-132 X 2	Pall/PPC	
PCC-1201SU	6QP28-132 X 2	Pall/PPC	
PCC-1202EC	3PP26-265 X 1	Pall/PPC	
PCC-1202HT	10DP26-265 X 1	Pall/PPC	
PCC-1202SU	6QP28-265 X 1	Pall/PPC	
PCC-350AF	3PP30-143 X 1	Pall/PPC	
PCC-350HT	10DP30-143 X 1	Pall/PPC	
PCC-350SU	6QP30-143 X 1	Pall/PPC	
PCC-4463AF	3PP14-051 X 4	Pall/PPC	
PCC-4463SU	6QP14-051 X 4	Pall/PPC	
PCC-600AF	3PP30-140 X 1	Pall/PPC	
PCC-600HT	10DP30-140 X 1	Pall/PPC	
PCC-600SU	6QP30-140 X 1	Pall/PPC	
PCC-700AF	3PP30-295 X 1	Pall/PPC	
PCC-700HT	10DP30-295 X 1	Pall/PPC	
PCC-700SU	6QP30-295 X 1	Pall/PPC	
PCS-060AF	3PP14-051 X 4	Pall/PPC	
PCS-1001AF	3PP19-098 X 2	Pall/PPC	
PCS-1001HT	10DPS19-098 X 2	Pall/PPC	
PCS-1001SU	6QP19-098 X 2	Pall/PPC	
PCS-1002AF	3PP19-198 X 2	Pall/PPC	

*Please refer to appropriate competitor section for complete conversion details.

Par-Fit
Conversion
Elements

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
PCS-1002HT	10DPS19-198 X 2	Pall/PPC	
PCS-1002SU	6QP19-198 X 2	Pall/PPC	
PCS-1200HT	10DPS30-295 X 1	Pall/PPC	
PCS-350HT	10DPS30-143 X 1	Pall/PPC	
PCS-350SU	6QPS30-143 X 1	Pall/PPC	
PCS-4463AF	3PP14-051 X 4	Pall/PPC	
PCS-4463SU	6QP14-051 X 4	Pall/PPC	
PCS-700HT	10DPS30-295 X 1	Pall/PPC	
PCS-700SU	6QPS30-295 X 1	Pall/PPC	
PE 02/05	12GJN08-024 X 1	Ultrafilter	
PE 03/05	12GJN08-030 X 1	Ultrafilter	
PE 03/10	3PJN10-030 X 1	Ultrafilter	
PE 04/10	3PJN10-040 X 1	Ultrafilter	
PE 04/20	3PJN13-040 X 1	Ultrafilter	
PE 05/20	3PJN13-050 X 1	Ultrafilter	
PE 05/25	3PJN15-050 X 1	Ultrafilter	
PE 07/25	3PJN15-070 X 1	Ultrafilter	
PE 07/30	3PJN25-070 X 1	Ultrafilter	
PE 10/30	3PJN25-100 X 1	Ultrafilter	
PE 15/30	3PGN25-150 X 1	Ultrafilter	
PE 20/30	3PGN25-200 X 1	Ultrafilter	
PE 30/30	3PGN25-300 X 1	Ultrafilter	
PE 30/50	3PGN43-300 X 1	Ultrafilter	
PF 02/05	12GJN08-024 X 1	Domnick Hunter	
PF 03/05	12GJN08-030 X 1	Domnick Hunter	
PF 03/10	3PJN10-030 X 1	Domnick Hunter	
PF 04/10	3PJN10-040 X 1	Domnick Hunter	
PF 04/20	3PJN13-040 X 1	Domnick Hunter	
PF 05/20	3PJN13-050 X 1	Domnick Hunter	
PF 05/25	3PJN15-050 X 1	Domnick Hunter	
PF 07/25	3PJN15-070 X 1	Domnick Hunter	
PF 07/30	3PJN25-070 X 1	Domnick Hunter	
PF 10/30	3PJN25-100 X 1	Domnick Hunter	
PF 15/30	3PGN25-150 X 1	Domnick Hunter	
PF 20/30	3PGN25-200 X 1	Domnick Hunter	
PF 30/30	3PGN25-300 X 1	Domnick Hunter	
PF 30/50	3PGN43-300 X 1	Domnick Hunter	
P-FF 07/30	10IJN25-070 X 1	Ultrafilter	
P-FF 10/30	10IJN25-100 X 1	Ultrafilter	
P-MF 07/30	6IGN25-070 X 1	Ultrafilter	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
P-MF 10/30	6IGN25-100 X 1	Ultrafilter	
POC-035SU	6QP14-051 X 4	Pall/PPC	
POC-060SU	6QP14-051 X 4	Pall/PPC	
POC-1001SU	6QP19-098 X 2	Pall/PPC	
POC-1200SU	6QP30-295 X 1	Pall/PPC	
POC-1201SU	6QP28-132 X 2	Pall/PPC	
POC-600SU	6QP30-140 X 1	Pall/PPC	
POS-1001SU	6QPS19-098 X 2	Pall/PPC	
POS-1201SU	6QPS28-132 X 1	Pall/PPC	
POS-600SU	6QPS30-140 X 1	Pall/PPC	
POS-700SU	6QPS30-295 X 1	Pall/PPC	
PPC-1200SU	6QP30-295 X 1	Pall/PPC	
PPC-1201SU	6QP28-132 X 2	Pall/PPC	
PPC-1202SU	6QP28-265 X 1	Pall/PPC	
PPC-350SU	6QP30-143 X 1	Pall/PPC	
PPC-700SU	6QP30-295 X 1	Pall/PPC	
P-PE 07/30	3PGN25-070 X 1	Ultrafilter	
P-PE 10/30	3PGN25-100 X 1	Ultrafilter	
PPY-1001SU	6QP19-098 X 2	Pall/PPC	
PPY-1002SU	6QP19-198 X 2	Pall/PPC	
PPY-1003SU	6QP19-298 X 1	Pall/PPC	
P-SMF 07/30	4IGN25-070 X 1	Ultrafilter	
P-SMF 10/30	4IGN25-100 X 1	Ultrafilter	
R130	10CZ15-060	Zeks	
R230	10CZ15-095	Zeks	
R25	10CZ10-025	Zeks	
R300	10CZ19-095	Zeks	
R450	10CZ19-193	Zeks	
R60	10CZ19-193	Zeks	
R600	10CZ10-050	Zeks	
R80	10CZ15-060	Zeks	
SB12	3PU19-050 X 2	Henderson	KX-12
SB4	3PN10-038 X 4	Henderson	KX-11
SMF 02/05	4HJN08-024 X 1	Ultrafilter	
SMF 03/05	4HJN08-030 X 1	Ultrafilter	
SMF 03/10	4CJN10-030 X 1	Ultrafilter	
SMF 04/10	4CJN10-040 X 1	Ultrafilter	
SMF 04/20	4CJN13-040 X 1	Ultrafilter	
SMF 05/20	4CJN13-050 X 1	Ultrafilter	
SMF 05/25	4IJN15-050 X 1	Ultrafilter	
SMF 07/25	4IJN15-070 X 1	Ultrafilter	
SMF 07/30	4IJN25-070 X 1	Ultrafilter	
SMF 10/3	4IJ25-100 X 1	Ultrafilter	
SMF 10/30	4IJN25-100 X 1	Ultrafilter	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
SMF 15/3	4IG25-150 X 1	Ultrafilter	
SMF 15/30	4IGN25-150 X 1	Ultrafilter	
SMF 20/3	4IG25-200 X 1	Ultrafilter	
SMF 20/30	4IGN25-200 X 1	Ultrafilter	
SMF 3/1	4CJ10-030 X 1	Ultrafilter	
SMF 3/1,5	4CJ13-030 X 1	Ultrafilter	
SMF 30/3	4IG25-300 X 1	Ultrafilter	
SMF 30/30	4IGN25-300 X 1	Ultrafilter	
SMF 30/5	4QG43-300 X 1	Ultrafilter	
SMF 30/50	4QGN43-300 X 1	Ultrafilter	
SMF 4/1,5	4CJ13-044 X 1	Ultrafilter	
SMF 4/2,5	4IJ15-040 X 1	Ultrafilter	
SMF 5/2,5	4IJN15-050 X 1	Ultrafilter	
SMF 5/3	4IJ25-050 X 1	Ultrafilter	
U78A3 (9-3/4")	3PP15-098 X 2	Cuno	
U78B2 (9-3/4")	3PP15-098 X 2	Cuno	
U80A3 (10")	3PP15-100 X 2	Cuno	
U80B2 (10")	3PP15-100 X 2	Cuno	
UFAK0205	AJN08-024 X 1	Flair	
UFAK0305	AJN08-030 X 1	Flair	
UFAK0310	AJN10-030 X 1	Flair	
UFAK0410	AJN10-040 X 1	Flair	
UFAK0420	AJN13-040 X 1	Flair	
UFAK0520	AJN13-050 X 1	Flair	
UFAK0525	AJN15-050 X 1	Flair	
UFAK0725	AJN15-070 X 1	Flair	
UFAK0730	AJN25-070 X 1	Flair	
UFAK1030	AJN25-100 X 1	Flair	
UFAK1530	AGN25-150 X 1	Flair	
UFAK2030	AGN25-200 X 1	Flair	
UFAK3030	AGN25-300 X 1	Flair	
UFAK3050	AGN43-300 X 1	Flair	
UFFF0205	10HJN08-024 X 1	Flair	
UFFF0305	10HJN08-030 X 1	Flair	
UFFF0310	10CJN10-030 X 1	Flair	
UFFF0410	10CJN10-040 X 1	Flair	
UFFF0420	10CJN13-040 X 1	Flair	
UFFF0520	10CJN13-050 X 1	Flair	
UFFF0525	10IJN15-050 X 1	Flair	
UFFF0725	10IJN15-070 X 1	Flair	
UFFF0730	10IJN25-070 X 1	Flair	
UFFF1030	10IJN25-100 X 1	Flair	
UFFF1530	10IGN25-150 X 1	Flair	
UFFF2030	10IGN25-200 X 1	Flair	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
UFFF3030	10IGN25-300 X 1	Flair	
UFFF3050	10QGN43-300 X 1	Flair	
UFMF0205	6HJN08-024 X 1	Flair	
UFMF0305	6HJN08-030 X 1	Flair	
UFMF0310	6CJN10-030 X 1	Flair	
UFMF0410	6CJN10-040 X 1	Flair	
UFMF0420	6CJN13-040 X 1	Flair	
UFMF0520	6CJN13-050 X 1	Flair	
UFMF0525	6IJN15-050 X 1	Flair	
UFMF0725	6IJN15-070 X 1	Flair	
UFMF0730	6IJN25-070 X 1	Flair	
UFMF1030	6IJN25-100 X 1	Flair	
UFMF1530	6IGN25-150 X 1	Flair	
UFMF2030	6IGN25-200 X 1	Flair	
UFMF3030	6IGN25-300 X 1	Flair	
UFMF3050	6QGN43-300 X 1	Flair	
UFPE0205	12GJN08-024 X 1	Flair	
UFPE0305	12GJN08-030 X 1	Flair	
UFPE0310	3PJN10-030 X 1	Flair	
UFPE0410	3PJN10-040 X 1	Flair	
UFPE0420	3PJN13-040 X 1	Flair	
UFPE0520	3PJN13-050 X 1	Flair	
UFPE0525	3PJN15-050 X 1	Flair	
UFPE0725	3PJN15-070 X 1	Flair	
UFPE0730	3PJN25-070 X 1	Flair	
UFPE1030	3PJN25-100 X 1	Flair	
UFPE1530	3PGN25-150 X 1	Flair	
UFPE2030	3PGN25-200 X 1	Flair	
UFPE3030	3PGN25-300 X 1	Flair	
UFPE3050	3PGN43-300 X 1	Flair	
UFSMF0205	4HJN08-024 X 1	Flair	
UFSMF0305	4HJN08-030 X 1	Flair	
UFSMF0310	4CJN10-030 X 1	Flair	
UFSMF0410	4CJN10-040 X 1	Flair	
UFSMF0420	4CJN13-040 X 1	Flair	

*Please refer to appropriate competitor section for complete conversion details.

Alpha/Numeric Part List

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
UFSMF0520	4CJN13-050 X 1	Flair	
UFSMF0525	4IJN15-050 X 1	Flair	
UFSMF0725	4IJN15-070 X 1	Flair	
UFSMF0730	4IJN25-070 X 1	Flair	
UFSMF1030	4IJN25-100 X 1	Flair	
UFSMF1530	4IGN25-150 X 1	Flair	
UFSMF2030	4IGN25-200 X 1	Flair	
UFSMF3030	4IGN25-300 X 1	Flair	
UFSMF3050	4QGN43-300 X 1	Flair	
VCE15	6CC15-150 X 2	Flair	
VCE22	6ICC25-220 X 1	Flair	
VCE8100	6CC15-080 X 2	Flair	
VCE860	6CC15-060 X 2	Flair	
VCXE15	2CC15-150 X 2	Flair	
VCXE22	2ICC25-220 X 1	Flair	
VCXE8100	2CC15-080 X 2	Flair	
VCXE860	2CC15-060 X 2	Flair	
VE111250B	8ICC25-240 X 1	Flair	
VE11125RB	8DC25-240 X 1	Flair	
VE111265B	8ICC25-300 X 1	Flair	
VE111265RB	8DC25-300 X 1	Flair	
VKE15	3PC15-150 X 2	Flair	
VKE15HT	10DC15-150 X 2	Flair	
VKE22	3PCC25-220 X 1	Flair	
VKE22HT	10DC25-220 X 1	Flair	
VKE6100	3PC15-080 X 2	Flair	
VKE660	3PC15-060 X 2	Flair	
V-PE 10/3	3PJ25-100 X 1	Ultrafilter	
V-PE 15/3	3PG25-150 X 1	Ultrafilter	
V-PE 20/3	3PG25-200 X 1	Ultrafilter	
V-PE 3/1	3PJ10-030 X 1	Ultrafilter	
V-PE 3/1,5	3PJ13-030 X 1	Ultrafilter	
V-PE 30/3	3PG25-300 X 1	Ultrafilter	
V-PE 30/5	3PG43-300 X 1	Ultrafilter	
V-PE 4/1,5	3PJ13-044 X 1	Ultrafilter	
V-PE 4/2,5	3PJ15-040 X 1	Ultrafilter	
V-PE 5/2,5	3PJN15-050 X 1	Ultrafilter	
V-PE 5/3	3PJ25-050 X 1	Ultrafilter	
Z1050A	AZ12-023 X 1	Flair	
Z1050V	3PZ12-023 X 1	Flair	
Z1050X	6CZ12-023 X 1	Flair	
Z1050Y	8CZ12-023 X 1	Flair	
Z1050Z	10CZ12-023 X 1	Flair	
Z1070A	AZ12-029 X 1	Flair	
Z1070V	3PZ12-029 X 1	Flair	
Z1070X	6CZ12-029 X 1	Flair	

Competitor Part Number	Finite® Part Number	Competitor	Kit Required
Z1070Y	8CZ12-029 X 1	Flair	
Z1070Z	10CZ12-029 X 1	Flair	
Z1140A	AZ12-056 X 1	Flair	
Z1140V	3PZ12-056 X 1	Flair	
Z1140X	6CZ12-056 X 1	Flair	
Z1140Y	8CZ12-056 X 1	Flair	
Z1140Z	10CZ12-056 X 1	Flair	
Z2010A	AZ20-046 X 1	Flair	
Z2010V	3PZ20-046 X 1	Flair	
Z2010X	6CZ20-046 X 1	Flair	
Z2010Y	8CZ20-046 X 1	Flair	
Z2010Y	8CZ20-046 X 1	Flair	
Z2010Z	10CZ20-046 X 1	Flair	
Z2010Z	10CZ20-046 X 1	Flair	
Z2020A	AZ20-086 X 1	Flair	
Z2020A	AZ20-086 X 1	Flair	
Z2020V	3PZ20-086 X 1	Flair	
Z2020V	3PZ20-086 X 1	Flair	
Z2020X	6CZ20-086 X 1	Flair	
Z2020Y	8CZ20-086 X 1	Flair	
Z2020Z	10CZ20-086 X 1	Flair	
Z2030A	AZ20-126 X 1	Flair	
Z2030V	3PZ20-126 X 1	Flair	
Z2030X	6CZ20-126 X 1	Flair	
Z2030Y	8CZ20-126 X 1	Flair	
Z2030Z	10CZ20-126 X 1	Flair	
Z2050A	AZ20-200 X 1	Flair	
Z2050V	3PZ20-200 X 1	Flair	
Z2050X	6CZ20-200 X 1	Flair	
Z2050Y	8CZ20-200 X 1	Flair	
Z2050Z	10CZ20-200 X 1	Flair	
Z3050A	AZ27-200 X 1	Flair	
Z3050V	3PZ27-200 X 1	Flair	
Z3050X	6CZ27-200 X 1	Flair	
Z3050Y	8CZ27-200 X 1	Flair	
Z3050Z	10CZ27-200 X 1	Flair	
Z3075A	AZ27-298 X 1	Flair	
Z3075V	3PZ27-298 X 1	Flair	
Z3075X	6CZ27-298 X 1	Flair	
Z3075Y	8CZ27-298 X 1	Flair	
Z3075Z	10CZ27-298 X 1	Flair	
Z5075A	AZ50-298 X 1	Flair	
Z5075V	3PZ50-298 X 1	Flair	
Z5075X	6CZ50-298 X 1	Flair	
Z5075Y	8CZ50-298 X 1	Flair	
Z5075Z	10CZ50-298 X 1	Flair	

*Please refer to appropriate competitor section for complete conversion details.



Air Line Filtration Accessories

Bulletin 1300 - 150/USA



Accessories

Finite®



Finite's Featured Air Line Filtration Accessories

For a comprehensive list and to find out where these accessories are used, please see pages 184-185.



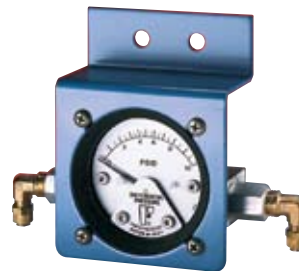
DPG-15HP Differential Pressure Gauge
Temp: 200°F (93°C)
Pressure: 800 PSIG (55 bar)



DPI-25 Differential Pressure Gauge
Temp: 200°F (88°C)
Pressure: 5000 PSIG (340 bar)
1/4" NPT Connections



DPI-13 Differential Pressure Indicator
Temp: 175°F (79°C)
Pressure: 250 PSIG (17 bar)
1/8" NPT Connections



KBDPI-25 Differential Pressure Gauge
Temp: 200°F (88°C)
Pressure: 250 PSIG (17 bar)
(Kit includes 1/8" and 1/4" NPT brass fittings, flexible nylon tubing and mounting bracket)



DPG-15 Differential Pressure Gauge
Temp: 175°F (79°C)
Pressure: 500 PSIG (34 bar)
(Fits on pre-drilled H-Series housings only)



MBS-1 Stainless Steel Mounting Bracket



KBDPG-15 Differential Pressure Gauge Kit
Temp: 200°F (93°C)
Pressure: 250 PSIG (17 bar)
(Kit includes 1/8" and 1/4" NPT brass fittings, flexible nylon tubing and mounting bracket)



Mounting Brackets
BK-M (1/4" to 1/2" NPT)
BK-3 (3/4" to 1" NPT)



K4520N14060, K4520N14160 Pressure Gauges
Temp: 125°F (52°C)
Pressure: 0-60 PSIG (0-4 bar),
0-160 PSIG (0-11 bar)



KV-2A, KV-5A, KV-6A Element Frame Kits
(Internally mounted in all ASME housings)



VS-50 Visual Sump Drain
 Temp: 125°F (52°C)
 Pressure: 150 PSIG (10 bar)
 1/2" NPT Inlet Connection
 1/8" NPT Drain Connection



MS-50 Metal Sump Drain (External)
 Temp: 175°F (79°C)
 Pressure: 10-250 PSIG (17 bar)
 1/2" NPT Inlet Connection
 1/8" NPT Drain Connection



TD-50 Adjustable Timed Drain Valve
 Temp: 150°F (66°C)
 Pressure: 600 PSIG (42 bar)
 1/2" NPT Inlet and Outlet Connections



ADT-50 Float Actuated Drain Trap
 Temp: 450°F (232°C)
 Pressure: 150 PSIG (10 bar)
 1/2" NPT Inlet Connection
 1/4" NPT Drain Connection



ZLD-10 Zero Loss Drain
 Temp: 35°-140°F (2°-60°C)
 Pressure: 12-250 PSIG (0-17 bar)



ADS-50 Stainless Steel (304) Automatic Drain Trap
 Temp: 450°F (232°C)
 Pressure: 250 PSIG (17 bar)
 1/2" NPT Inlet and Outlet Connections



TV-25 Timed Drain Valve
 Temp: 230°F (110°C)
 Pressure: 300 PSIG (20 bar)
 1/4" NPT

TV-25-700 Timed Drain Valve
 Temp: 210°F (99°C)
 Pressure: 700 PSIG (48 bar)
 1/4" NPT

TV-25-SS Timed Drain Valve (stainless steel)
 Temp: 185°F (85°C)
 Pressure: 200 PSIG (14 bar)
 1/4" NPT

TV-50 Timed Drain Valve
 Temp: 210°F (99°C)
 Pressure: 300 PSIG (20 bar)
 1/2" NPT

TV-50-SV Timed Drain Valve (built-in strainer valve)
 Temp: 210°F (99°C)
 Pressure: 300 PSIG (20 bar)
 1/2" NPT



AD-12 Automatic Drain Valve (Internal)
 Temp: 175°F (79°C)
 Pressure: 10-250 PSIG (17 bar)
 1/8" NPT Drain Connection

Where Used Chart

Use the chart below to find out what accessory can be used on what **Finite®** product. If you have any questions regarding accessories, please call our technical assistance department at 1-800-521-4357.

Model Number	Port (NPT)	Max Press. (PSIG)	Max Temp. (F)	Description	Where Used
Gauges					
BDPG-15	****	500	175	DPG-15 with mounting bracket.	H-Series
BDPI-13	1/8"	250	175	Differential pressure indicator with base and bracket.	H-Series
BDPI-25	****	5000	200	DPI-25 with mounting bracket.	ASME
BDPS-25	****	5000	200	DPS-25 with mounting bracket.	ASME
DPG-15	****	500	175	Differential pressure gauge.	H-Series
DPG-15HP	****	800	175	Differential pressure gauge.	M-Series
DPI-13	1/8"	250	175	Differential pressure indicator with base, 10 PSID - visual only.	H-Series
DPI-25	****	5000	200	2-1/2" dial, differential pressure gauge, range 0-10 PSID.	ASME
DPS-25	****	5000	200	DPI-25 above with SPST reed switch, 0.25 amp Maximum current.	ASME
KBDPG-15	****	250	200	DPG-15 Kit includes all fittings, tubing, and mounting bracket necessary for wall mounting, or to install gauge on ASME housing.	H-Series; ASME
KBDPI-13	1/8"	250	200	DPI-13 Kit w / fittings and tubing.	H-Series
KBDPI-25	****	250	200	DPI-25 Kit includes all fittings, tubing, and mounting bracket necessary for wall mounting, or to install gauge on ASME housing.	ASME
KBDPS-25	****	250	200	Kit includes all fittings, tubing, and mounting bracket necessary to install gauge on ASME housing.	ASME
KDPS	****	****	****	Reed Switch for DPG-15HP and KBDPG-15.	H-Series
2003	****	****	****	DPI-13 spare parts (cap screws, bracket, shell, spring, piston, diaphragm)	H-Series
2095	****	****	****	DPI hole block off kit. Blocks off DPI sensing port air flow if DPI is no longer desired.	H-Series
Drains					
AD-12	1/8" Female Pipe- Away	250	175	Float actuated automatic drain valve; point of use; non-emulsion liquids.	H-Series
ADS-50	1/2"	250	450	All stainless steel automatic drain trap rated at 120 gallons per hour with 0.10 orifice.	H-Series; ASME
ADT-50	1/2"	150	450	Float actuated automatic drain trap with S.S. internals.	H-Series; ASME
DL1-ADT50	1/4"	150	450	Float actuated automatic drain trap with S.S. internals.	W/ H-Series
DL1-TV25	1/4"	300	230	Timed solenoid drain valve; 6 ft. grounded power cord; Open Time: 1.2 sec - 2 min; Closed Time: 30 sec-45 min.	W/ H-Series
DL1-VS50	1/4"	150	125	Float actuated visual sump drain.	W/ H-Series
DL1-ZLD10	1/4"	250	140	Zero Loss Drain - 3600 scfm.	W/ H-Series
DL2-ADT50	1/2"	150	450	Float actuated automatic drain trap with S.S. internals.	W/ H-Series
DL2-TV50	1/2"	300	210	Timed solenoid drain valve; 6 ft. grounded power cord; Open Time: 1.2 sec - 2 min; Closed Time: 30 sec-45 min.	W/ H-Series
DL2-VS50	1/2"	150	125	Float actuated visual sump drain.	W/ H-Series
DL2-ZLD10	1/2"	250	140	Zero Loss Drain - 3600 scfm.	W/ H-Series
MS-50	1/2"	250	175	Metal sump with AD-12 installed.	H-Series; ASME
T-9	****	****	****	Timer; Open Time: 1-10 sec; Closed Time: 1-60 min; includes manual override auto/off switch.	H-Series; ASME

Model Number	Port (NPT)	Max Press. (PSIG)	Max Temp. (F)	Description	Where Used
TD-50	1/2"	600	150	Timed drain valve; motorized S.S. ball valve; 8 ft. grounded power cord; bronze body; 120V AC; 60Hz; Open Time: 5 seconds; Closed Time: 1-50 minutes.	H-Series; ASME
TV-25	1/4"	300	230	Timed solenoid drain valve; 6 ft. grounded power cord; Open Time: 0.5 sec - 10 sec; Closed Time: 30 sec-45 min.	H-Series; ASME
TV-25-700	1/4"	700	210	High Pressure Timed solenoid drain valve; 6 ft. grounded power cord; brass body; ruby plunger seal; Open Time: 0.5 sec - 10 sec; Closed Time: 30 sec-45 min.	H-Series; ASME
TV-25-SS	1/4"	200	185	Timed solenoid drain valve; 6 ft. grounded power cord; stainless steel body; Open Time: 0.5 sec - 10 sec; Closed Time: 30 sec-45 min.	H-Series; ASME
TV-50	1/2"	300	210	Timed solenoid drain valve; 6 ft. grounded power cord; Open Time: 0.5 sec - 10 sec; Closed Time: 30 sec-45 min.	H-Series; ASME
TV-50-SV	1/2"	300	210	Timed solenoid drain valve with strainer; 6 ft. grounded power cord; Open Time: 0.5 sec - 10 sec; Closed Time: 30 sec - 45 min.	H-Series; ASME
VS-50	1/2"	150	125	Float actuated visual sump drain.	H-Series; ASME
2160	****	****	****	240 V Coil Kit and Cord Set for TV-25/TV-50	TV-25/TV-50
2161	****	****	****	Coil only for TV-25/TV-50	TV-25/TV-51
23002	****	****	****	1/2" NPT Ball Valve w/plate (Replacement valve for old TD-50)	TD-50
23105	****	****	****	1/4" NPT STRAINER FOR TV-25	TV-25
23106	****	****	****	1/2" NPT STRAINER FOR TV-50	TV-50
ZLD-10	1/2"	250	140	Zero Loss Drain - 3600 scfm.	H-Series; ASME
ZLD-AV	1/2"	250	140	Vent adaptor for ZLD-10 and ZLD-20.	H-Series; ASME
ZLD-RK	****	****	****	Service kit for ZLD-10 and ZLD-20.	H-Series; ASME
2158	****	****	****	Drain Kit for QN*N	QN*N
Mounting Brackets/Adaptor Kits					
BK-3	****	****	****	Mounting bracket for 3/4" and 1" H-Series & M-Series housings.	H-Series; M-Series
BK-M	****	****	****	Mounting bracket for H-Series housings up to 1/2" NPT; FFC-110 and FFC-110L	H-Series; FFC-110
DF-1	1/8"-1/2"	****	****	Drain Fitting Adaptor for MS-50, ZLD-10, and ZLD-20.	H-Series
EBD-12	1/8"	****	****	Brass drain bushing kit--Fits all H-Series and older models.	H-Series
ESD-12	1/8"	****	****	Stainless Steel drain bushing kit; Fits all H-Series and older models.	H-Series
KV-2A	****	****	****	Element frame kit (Element: 51-280).	ASME
KV-2SA	****	****	****	Element frame kit (Element: 51-280), stainless steel	ASME
KV-5A	****	****	****	Element frame kit (Element: 85-250).	ASME
KV-5SA	****	****	****	Element frame kit (Element: 85-250), stainless steel	ASME
KV-6A	****	****	****	Element frame kit (Element: 85-360).	ASME
KV-6SA	****	****	****	Element frame kit (Element: 85-360), stainless steel	ASME
MB-2	****	****	****	Steel Mounting Bracket for P1N Housing & M-Series (1/4"-1/2" NPT)	Instrumentation; M-Series
MB-2S	****	****	****	Steel Mounting Bracket for FFC-112 Housing	Instrumentation
MBS-1	****	****	****	SS Mounting Bracket for S1R, S5R, A1R, A5R and FFC-116 Housings	Instrumentation
MBS-2	****	****	****	Stainless Steel (SS) Mounting Bracket for KN*S, P1N, SM-Series, S*PS, S*PL, S*SS, S*SL	Instrumentation

Oil and Water Indicators

Bulletin 1300 - 650/USA



Find out if you have oil or water in your compressed air lines!

Finite's new disposable indicators are an easy way to detect the presence of liquid (water or oil) in a compressed air system. The indicators will change from white to red when the respective liquid is present and provides peace-of-mind for critical applications throughout a facility.

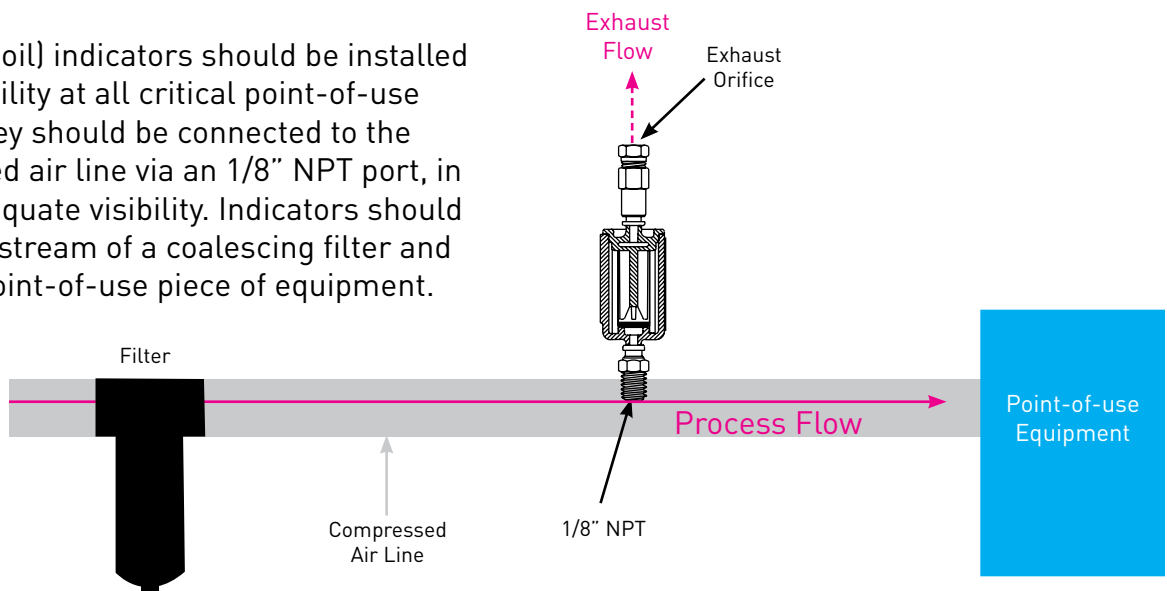
KSDS-W: Detects liquid water.
KSDS-O: Detects liquid oil.

Specifications:

Part Number	Connection Size	Max. Pressure	Max. Temp.	Exhaust Flow @ 100 PSIG	Length	Replacement Element
KSDS-W	1/8" NPT	100 PSIG	125° F	0.16 SCFM	4.37 in.	SDN-W
KSDS-O	1/8" NPT	100 PSIG	125° F	0.16 SCFM	4.37 in.	SDN-O

Installation:

Liquid (water or oil) indicators should be installed throughout a facility at all critical point-of-use applications. They should be connected to the main compressed air line via an 1/8" NPT port, in an area with adequate visibility. Indicators should be located downstream of a coalescing filter and upstream of a point-of-use piece of equipment.



Accessories

Z-Series

Finite® Z-Series electronic condensate drains are designed for economical removal of unwanted water, oil emulsions and other liquids.

How it works:

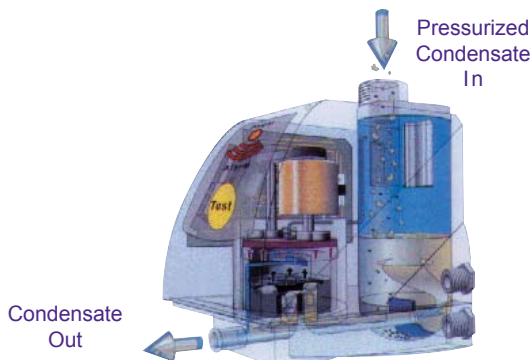
The **Finite**® Z-Series Zero Loss Drain (ZLD-10) operates with most common supply voltages: 24 to 230V_{dc}, and 80 to 230 V_{ac}, automatically adjusting to the input voltage. As condensate collects in the internal sump, a diaphragm is held closed by the system pressure. When the liquid level sensor detects an accumulation of condensate, an electromagnet is activated, relieving the system pressure above the diaphragm, allowing condensate to escape. As the condensate level decreases, system pressure is re-introduced above the diaphragm, closing off the flow of waste liquid before compressed air can escape.

The ZLD should be cleaned annually to ensure long-term reliability. Please consult factory for cleaning instructions.

RESULT: Zero loss of expensive compressed air, which results in lower overall operating cost!

Installation

Installation is simple and quick: a ½" NPT pipe adapter (supplied) is threaded into a filter housing drain port, a drip leg, or other pipe connection, and the ZLD drains can then be fitted into the system with the simple twist of a threaded collar.



Finite's ZLD-10

Capacity Range

The ZLD condensate drains are suitable for use on compressed air systems. Rated flow for filters is 3600 SCFM/6116 NM³/H for the ZLD-10.

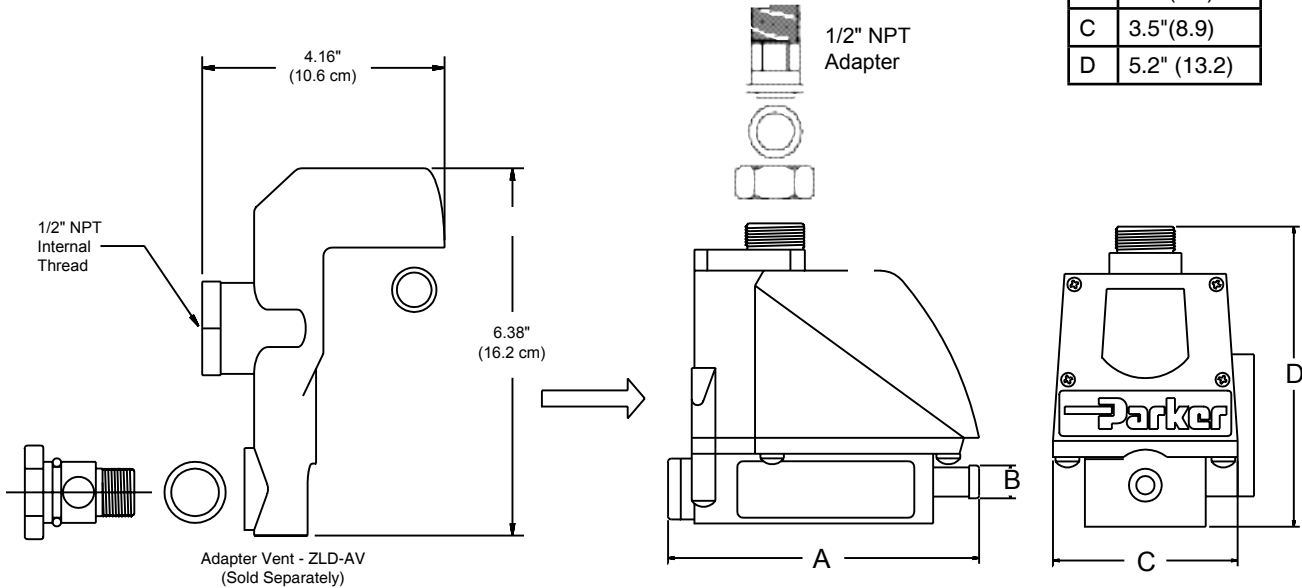
Zero Loss Drain Features

- Automatically adjusts to all common power sources 24V to 230V
- Conserves compressed air energy, zero compressed air is expelled with the oil/water condensate
- Comes with adapters for NPT threading which enables easy installation at no additional cost
- Condensate entry from top or bottom of drain simplifies difficult installations
- Test button for manual discharge
- Internal electronics continuously monitor operation, and alarm light on front panel indicates faults
- Adapter vent for remote mounting and pressure balancing is available separately

Drawings, Dimensions & Specifications

Dimension Chart
in Inches (cm)

ZLD-10	
A	5.7" (14.5)
B	.57" (1.4)
C	3.5" (8.9)
D	5.2" (13.2)



Specifications

Maximum Compressor Performance	360 SCFM (612 NM ³ /H)
Maximum Refrigerated Dryer Performance	720 scfm (1224 NM ³ /H)
Maximum Filter Capacity	3600 SCFM (6120 NM ³ /H)
Pressure Range	12-250 PSI (0.8 - 17 bar)
Power Supply	24-230 V _{DC} , self regulating 80-230 V _{AC} , self regulating
Power Consumption	5 VA
Potential-Free Alert Contact	Max. 300 V AC/DC, Max. 0,1 A (electric relays)
Temperature Range	35°F to 140°F (2°C to 60°C)
Protection	NEMA 4X or IP 65
Weight (Empty)	2.2 lbs. (1 kg.)

Materials

Wetted Plastic Parts	High impact glass filled engineered plastic
Body	Coated Aluminum
Seals	Viton®

Repair Kit

Repair Kit (includes springs, o-rings, and other seals)	ZLD-RK
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Finite® Accessories - Drip Leg Kit

Bulletin 1300 - 155/USA

Every compressed air system is faced with the problem of free water, water aerosols and water vapor.

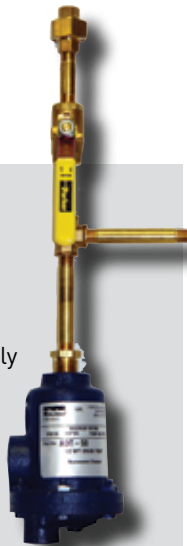
This contamination can cause components such as valves, cylinders, and air motors to fail prematurely. In addition, water can carry rust and pipe scale into critical components causing them to plug. While air dryers are the best solution for ridding a system of water, they may be too costly or difficult to install for some point-of-use applications. A very reliable alternative to an air dryer is the combination of Finite's new Drip Leg Kits and coalescing filters. This combination efficiently removes both free water and water aerosols, providing you with an economical solution for all of your point-of-use applications.

Automatic Drain Trap

DL1-ADT50 (1/4" NPT)
DL2-ADT50 (1/2" NPT)

This automatic drain trap is ideal for highly contaminated systems.

- Pressure to 150 PSIG
- Temperature to 450°F
- 1/4" or 1/2" NPT Connections
- Kit includes fittings, ball valve, and ADT-50 drain

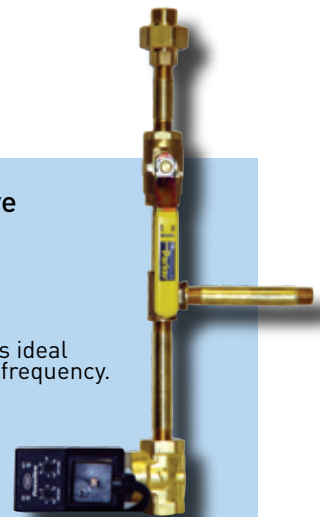


Timed Solenoid Drain Valve

DL1-TV25 (1/4" NPT)
DL2-TV50 (1/2" NPT)

This timed solenoid drain valve is ideal when you want to vary the drain frequency.

- Pressure to 250 PSIG
- Temperature to 230°F (TV-25)
210°F (TV-50)
- 1/4" or 1/2" NPT Connections
- Kit includes fittings, ball valve, and timed solenoid drain

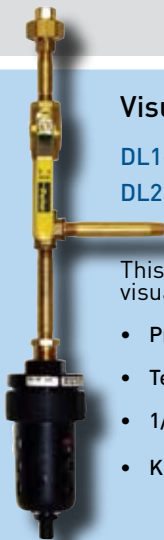


Visual Sump Drain

DL1-VS50 (1/4" NPT)
DL2-VS50 (1/2" NPT)

This visual sump drain is ideal when visual inspection is required.

- Pressure to 150 PSIG
- Temperature to 125°F
- 1/4" or 1/2" NPT Connections
- Kit includes fittings, ball valve, and VS-50 drain

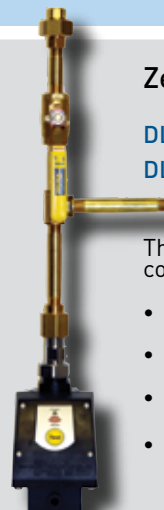


Zero Loss Drain

DL1-ZLD10 (1/4" NPT)
DL2-ZLD10 (1/2" NPT)

This zero loss drain is ideal for conserving compressed air energy.

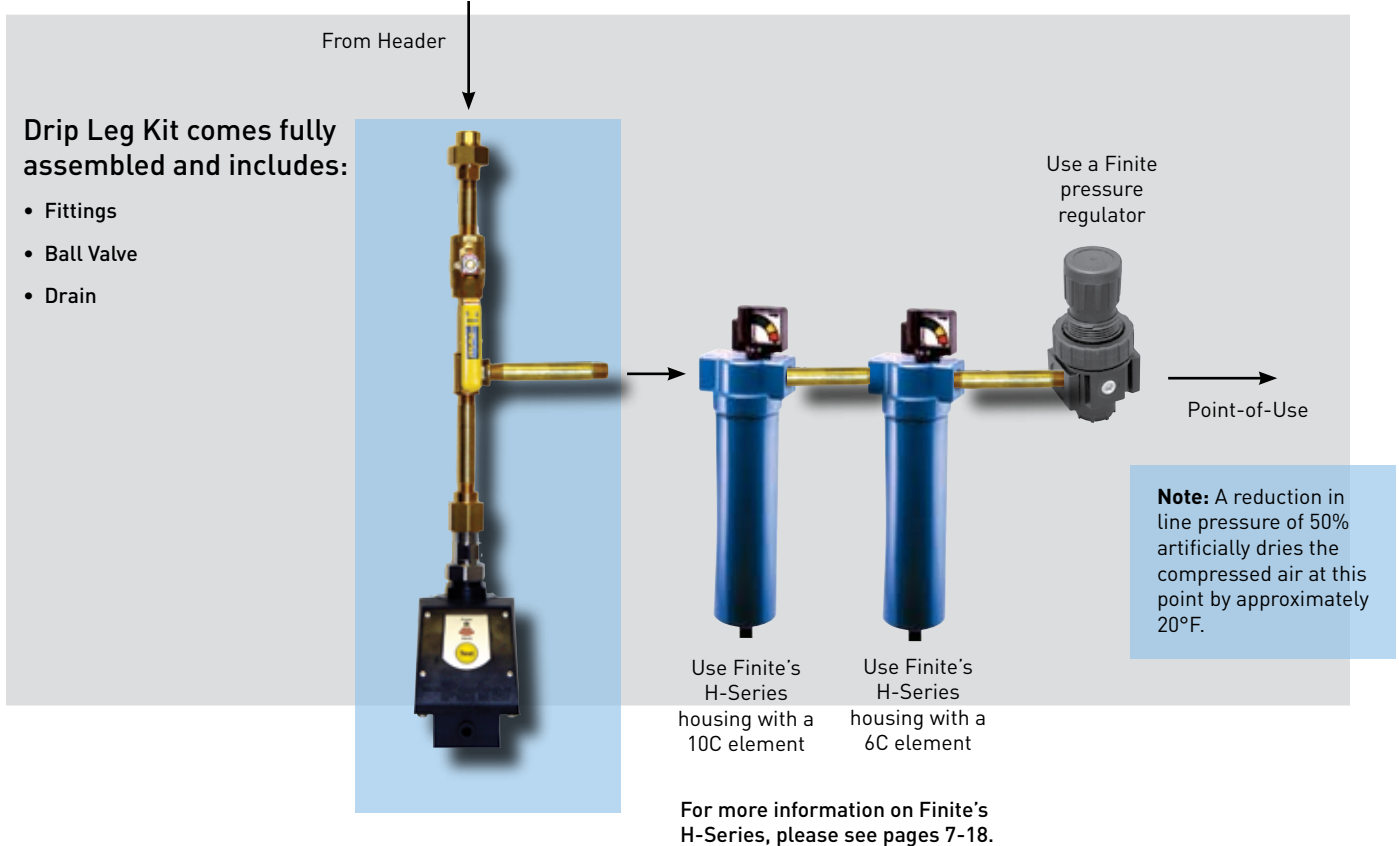
- Pressure to 250 PSIG
- Temperature to 140°F
- 1/4" or 1/2" NPT Connections
- Kit includes fittings, ball valve, and ZLD drain



Finite® Accessories - Drip Leg Kit

Applications Include: ● Compressor/Dryer Installations ● Water Removal ● Air Blow-offs
● Point-of-use Pneumatic Applications ● All Air Drops ● New Equipment Installations

Common Point-of-Use Application:



Q.

“What filter housing do I need for my compressed air/gas application?”

Ask your customer to explain their application/operating system. If the customer is operating at standard operating conditions (100 PSIG and 70°F) use the Housing Selection Chart on the next page to find the correct filter housing.

a.

If not, ask your customer questions 1-5. Use this information to convert their system conditions to standard conditions by using the equation below. Then use this flow to find the correct filter housing in the Housing Selection Chart on the next page.

Gas	Specific Gravity
Air	1
Ammonia	0.58
Argon	1.37
Carbon Dioxide	1.52
Carbon Monoxide	0.96
Chlorine	2.48
Ethane	1.04
Ethylene	0.97
Helium	0.13
Hexane	2.73
Hydrogen	0.06
Methane	0.55
Natural Gas	0.66
Neon	0.69
Nitrogen	0.96
Oxygen	1.18
Pentane	2.47
Propane	1.56

1. What type of gas are you filtering?

2. What is the flow rate (SCFM)?

3. What is the pressure (PSIG)?

4. What is the temperature (°F)?

5. What type of filtration is required (efficiency, type of contamination, etc.)?
See next page for Media Specifications Charts.

Refer to this chart if you do not know the specific gravity of the gas you are filtering.

Equation:

$$\begin{array}{c} \text{Flow Rate:} \\ \text{Actual System} \\ \text{Flow Rate} \\ \text{(SCFM)} \end{array} \times \begin{array}{c} \text{Pressure:} \\ \frac{(100 \text{ PSIG} + 14.7 \text{ PSIG})}{\text{[System Pressure (PSIG) + 14.7 PSIG]}} \end{array} \times \begin{array}{c} \text{Temperature:} \\ \frac{(\text{System Temp. } ^\circ\text{F} + 460^\circ\text{F})}{530^\circ\text{F}} \end{array} \times \begin{array}{c} \text{Specific Gravity:} \\ \sqrt{\text{Specific Gravity}} \end{array} = \begin{array}{c} \text{Adjusted} \\ \text{Flow Rate:} \\ \text{SCFM} \\ \text{@ 100 PSIG,} \\ \text{70}^\circ\text{F} \end{array}$$

Example:

$$136 \text{ SCFM} \times \frac{(100 \text{ PSIG} + 14.7 \text{ PSIG})}{(150 \text{ PSIG} + 14.7 \text{ PSIG})} \times \frac{(100^\circ\text{F} + 460^\circ\text{F})}{530^\circ\text{F}} \times \sqrt{1} = 100 \text{ SCFM}$$

Practice:

$$\begin{array}{c} \text{Flow Rate:} \\ \text{ } \end{array} \times \begin{array}{c} \text{Pressure:} \\ \text{ } \end{array} \times \begin{array}{c} \text{Temperature:} \\ \text{ } \end{array} \times \begin{array}{c} \text{Specific Gravity:} \\ \sqrt{\text{ }} \end{array} = \begin{array}{c} \text{Adjusted} \\ \text{Flow Rate:} \\ \text{ } \end{array}$$

Parker Hannifin Corporation
Finite® Filter Operation
 500 Glaspie St.
 Oxford, MI 48371
 Phone: 248-628-6400
 Fax: 248-628-1850
 www.finitefilter.com
 Bul. 1300-QRG-1

Technical
Information

H-Series Housing Selection Chart

Housing Assembly	Port Size	Rated Flows: SCFM @ 100 PSIG (m³/hr @ 7 bar)				
		Grade: 4 (Coalescer)	Grade: 6 (Coalescer) A (Adsorber)	Grade: 7CVP (Pleated Coalescer)	Grade: 8 (Coalescer)	Grade: 10 (Coalescer) 3PU (Interceptor) 100WS (Water Separator)
H_1S	1/4"	11 (19)	15 (26)	N/A	20 (34)	25 (43)
H_15S	3/8"	15 (26)	20 (34)	N/A	27 (46)	33 (56)
H_2S	1/2"	19 (32)	25 (43)	N/A	34 (58)	42 (71)
H_1L	1/4"	23 (39)	30 (51)	N/A	41 (68)	50 (85)
H_15L	3/8"	30 (51)	40 (68)	N/A	55 (94)	66 (112)
H_2L	1/2"	38 (65)	50 (85)	N/A	68 (116)	83 (141)
H_3S	3/4"	61 (104)	80 (136)	N/A	109 (185)	133 (226)
H_4S	1"	76 (129)	100 (170)	N/A	136 (231)	166 (282)
H_4L	1"	106 (180)	140 (238)	N/A	191 (325)	232 (394)
H_5S	1 1/4"	190 (323)	250 (425)	415 (706)	330 (461)	415 (706)
H_6S	1 1/2"	260 (442)	350 (595)	600 (1020)	465 (791)	600 (1020)
H_8E	2"	260 (442)	350 (595)	600 (1020)	465 (791)	600 (1020)
H_8S	2"	340 (578)	450 (765)	750 (1275)	600 (1020)	750 (1275)
H_8L	2"	470 (799)	625 (1063)	1035 (1760)	830 (1411)	1035 (1760)
H_0L	2 1/2"	600 (1020)	800 (1360)	1330 (2261)	1060 (1802)	1330 (2261)
H_12L	3"	750 (1275)	1000 (1700)	1660 (2822)	1330 (2261)	1660 (2822)

Note: _ is a placeholder to put in your port type. N = NPT, S = SAE, F = BSPP, T = BSPT

How to Use the Housing Selection Charts:

1. Find the grade your application requires, see Media Specification Chart.
2. Locate the grade in the Housing Selection Chart and find your flow.
3. Find the corresponding Housing Assembly.

H-Series Media Specification Chart

Grade	Coalescing Efficiency 0.3 to 0.6 Micron Aerosols	Coalescing Filters - Maximum Oil Carryover ¹ PPM w/w	Micron Rating	Pressure Drop (PSID) @ Rated Flow ²	
				Media Dry	Media Wet With 10-20 wt.Oil
4	99.995%	0.003	0.01	1.25	3-4
6	99.97%	0.008	0.01	1.0	2-3
7	99.5%	0.09	0.5	0.25	0.5 - 0.7
8	98.5%	0.2	0.5	0.5	1-1.5
10	95%	0.85	1.0	0.5	1.5
100WS	N/A	N/A	100	<0.25	<0.50
3P	N/A	N/A	3	0.25	N/A
A	99%+ ³	N/A	N/A	1.0	N/A

¹Tested per ADF-400 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

³Oil vapor removal efficiency is given for A media.

H-Series Replacement Element Part Numbers

*insert selected grade 4, 6, 8, 10. See media specification chart for efficiencies.								
Housing Assembly	Coalescer	Coalescer w/inner retainer	High Temp.	Coalescer w/built in prefilter	7CVP (Pleated Coalescer)	3PU (Interceptor)	100WS (Water Separator)	AU (Adsorber)
H_1S	*C10-025	*IU10-025	*DS10-025	*QU10-025	N/A	3PU10-025	100WSU10-025	AU10-025
H_15S	*C10-025	*IU10-025	*DS10-025	*QU10-025	N/A	3PU10-025	100WSU10-025	AU10-025
H_2S	*C10-025	*IU10-025	*DS10-025	*QU10-025	N/A	3PU10-025	100WSU10-025	AU10-025
H_1L	*C10-050	*IU10-050	*DS10-050	*QU10-050	N/A	3PU10-050	100WSU10-025	AU10-050
H_15L	*C10-050	*IU10-050	*DS10-050	*QU10-050	N/A	3PU10-050	100WSU10-025	AU10-050
H_2L	*C10-050	*IU10-050	*DS10-050	*QU10-050	N/A	3PU10-050	100WSU10-025	AU10-050
H_3S	*C15-060	*IU15-060	*DS15-060	*QU15-060	N/A	3PU15-060	100WSU15-060	AU15-060
H_4S	*C15-060	*IU15-060	*DS15-060	*QU15-060	N/A	3PU15-060	100WSU15-060	AU15-060
H_4L	*C15-095	*IU15-095	*DS15-095	*QU15-095	N/A	3PU15-095	100WSU15-060	AU15-095
H_5S	*CU25-130	*CU25-130	*DV25-130	*QU25-130	7CVP25-130	3PU25-130	100WS25-130	AU25-130
H_6S	*CU25-130	*CU25-130	*DV25-130	*QU25-130	7CVP25-130	3PU25-130	100WS25-130	AU25-130
H_8E	*CU25-130	*CU25-130	*DV25-130	*QU25-130	7CVP25-130	3PU25-130	100WS25-130	AU25-130
H_8S	*CU25-187	*CU25-187	*DV25-187	*QU25-187	7CVP25-187	3PU25-187	100WS25-187	AU25-187
H_8L	*CU25-235	*CU25-235	*DV25-235	*QU25-235	7CVP25-235	3PU25-235	100WS25-235	AU25-235
H_0L	*CU35-280	*CU35-280	*DV35-280	*QU35-280	7CVP35-280	3PU35-280	100WS35-280	AU35-280
H_12L	*CU35-280	*CU35-280	*DV35-280	*QU35-280	7CVP35-280	3PU35-280	100WS35-280	AU35-280

ASME Vessels:

ASME Housing Selection Chart

Housing Assembly	Replacement Element Size	Port Size	Port Type	Number of Elements Required	Rated Flows: SCFM @ 100 PSIG (m³/hr @ 7 bar)		
					Grade: 6 (Coalescer) A (Adsorber)	Grade: 8 (Coalescer)	Grade: 7CVP (Pleated Coalescer) 10 (Coalescer) 3PU (Interceptor) 100WS (Water Separator)
Line Mount Vessels							
HT3-801	51-280	3"	NPT	1	1500 (2540)	1800 (3050)	2490 (4230)
FT3-801	51-280	3"	FLANGE	1	1500 (2540)	1800 (3050)	2490 (4230)
FT4-1201	85-250	4"	FLANGE	1	2000 (3390)	2400 (4070)	3320 (5640)
FT6-1201	85-360	6"	FLANGE	1	3000 (5090)	3600 (6110)	4980 (8460)
FT6-1603	51-280	6"	FLANGE	3	4500 (7640)	5400 (9170)	7470 (12690)
Floor Mount Vessels							
HF3-801	51-280	3"	NPT	1	1500 (2540)	1800 (3050)	2490 (4230)
FF3-801	51-280	3"	FLANGE	1	1500 (2540)	1800 (3050)	2490 (4230)
FF4-1201	85-250	4"	FLANGE	1	2000 (3390)	2400 (4070)	3320 (5640)
FF6-1201	85-360	6"	FLANGE	1	3000 (5090)	3600 (6110)	4980 (8460)
FF6-1603	51-280	6"	FLANGE	3	4500 (7640)	5400 (9170)	7470 (12690)
FF8-1804	51-280	8"	FLANGE	4	6000 (10190)	7200 (12230)	9960 (16920)
FF10-2207	51-280	10"	FLANGE	7	10500 (17830)	12600 (21400)	17430 (29610)
FF12-3011	51-280	12"	FLANGE	11	16500 (28030)	19800 (33640)	27390 (46530)
FF16-3615	51-280	16"	FLANGE	15	22500 (38220)	27000 (45870)	37350 (63450)

For Example: 6QU51-280; 10DS85-250; 7CVP51-280; AV85-360.

ASME Media Specification Chart

Grade	Coalescing Efficiency 0.3 to 0.6 Micron Aerosols	Coalescing Filters - Maximum Oil Carryover ¹ PPM w/w	Micron Rating	Pressure Drop (PSID) ² @ Rated Flow	
				Media Dry	Media Wet With 10-20 wt. Oil
6	99.97%	0.008	0.01	1.5	4.0
7	99.5%	0.09	0.5	0.25	0.5
8	98.5%	0.2	0.5	1.0	3.5
10	95%	0.85	1.0	0.75	2.5
100WS	N/A	N/A	100	<0.25	<0.50
3P	N/A	N/A	3	0.5	N/A
A	99%+ ³	N/A	N/A	1.0	N/A

¹Tested per ADF-400 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

³Oil vapor removal efficiency is given for A media.

ASME Replacement Element Part Numbers:

Grade	End Seals	Size
6 8 10	C (Coalescer) Q (Coalescer w/built in prefilter) D (High Temp)	51-280 85-250 85-360
3P	S (Silicone) For use with C, Q, D, 3P	To find the size you need, see the Replacement Element Size column on the ASME Housing Selection Chart.
7CVP	V (Fluorocarbon) For use with C, Q, D, 3P Standard on 7CVP & 100WS, leave this part blank.	
100WS		
A		

Finite® Gas Compatibility Chart

Please find the gas you are filtering on the chart. Use the letters in each Box to find the corresponding product series on the right. If the square contains the product series letter, then the series is compatible with that gas. If not, call Finite for other options. Please call the Finite technical assistance department at **1-800-521-4357**

A H M	Air	J F SS	Consult Factory	NH₃ Ammonia	A H M	Ar Argon	J SS
A H M	CO₂ Carbon Dioxide	J SS	A M	CO Carbon Monoxide	J SS	Cl₂ Chlorine	SS
A H M	C₂H₆ Ethane	J SS	A M	He Helium	J SS	H₂ Hydrogen	SS
A H M	CH₄ Methane	J SS	A H M	Natural Gas	J SS	Ne Neon	J SS
A H M	N₂ Nitrogen	J F SS	A H M	O₂ Oxygen	J SS	C₃H₈ Propane	J SS

Product Series:

- (A) ASME Vessels
- (H) H-Series
- (M) M-Series
- (J) J-Series
- (F) FRL's
- (SS) Stainless Steel Housings

Parker Hannifin Corporation
Finite Filter Operation
500 Glaspie St./P.O. Box 599
Oxford, MI 48371
(T) 248-628-6400
(F) 248-628-1850
www.finitefilter.com
Bul. 1300-QRG-2

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With annual sales exceeding \$8 billion, Parker Hannifin is the world's leading diversified manufacturer of motion and control technologies and systems, providing precision-engineered solutions for a wide variety of commercial, mobile, industrial and aerospace markets.

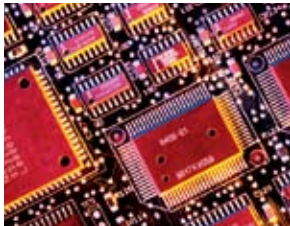
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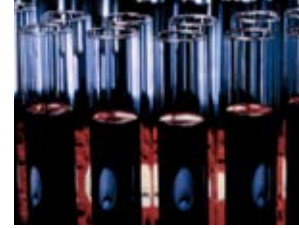
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Jacarei, Brazil
+55 (11) 3917 1222

Seoul, Korea
+82 2 559 0400

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Hydraulic Filter Division

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Arnhem, Netherlands
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248-628-6400

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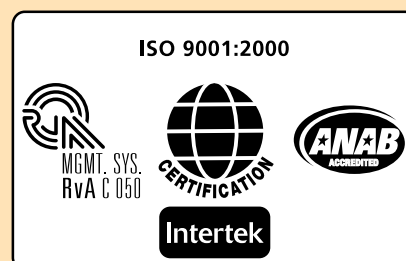


Parker Hannifin Corporation Finite® Filter Operation

500 Glaspie St./P.O. Box 599
Oxford, MI 48371
Phone: (248) 628-6400
(800) 521-4357
Fax: (248) 628-1850

www.finitefilter.com

Printed July 2006



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