



High Pressure Filters

Compressed Air & Gas

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

Bulletin 1300 - 997/USA



Finite®

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



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.



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

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 4-5 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. Adsorbent media removes hydrocarbon vapors from gas streams. See pages 6-7 for more detailed information.</p> |
| <p>Are you searching for a specific micron rating... or efficiency rating? If so, pages 6-7 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 8-25 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> |



What's Inside?



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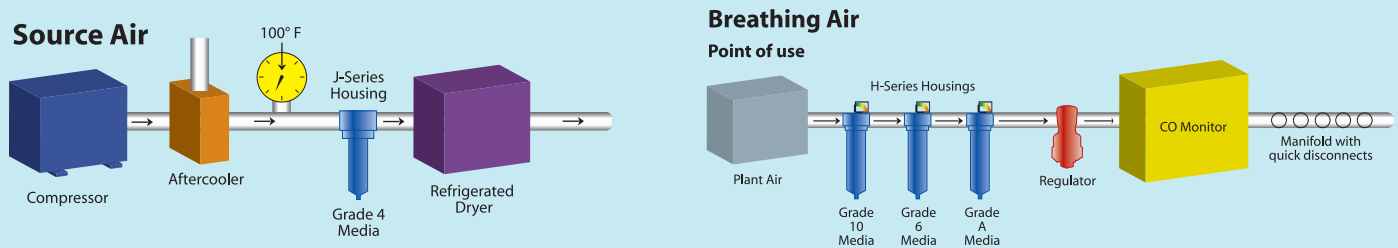
Applications

High Pressure Breathing

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



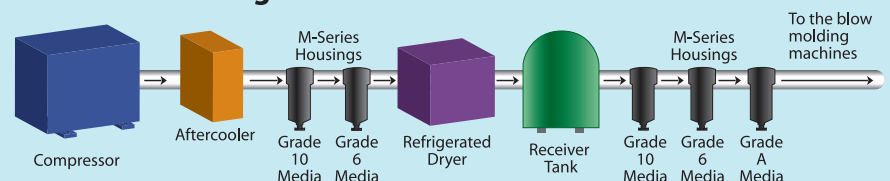
For more information on H-Series filters, please see Bulletin 1300-993C.



PET Blow Molding

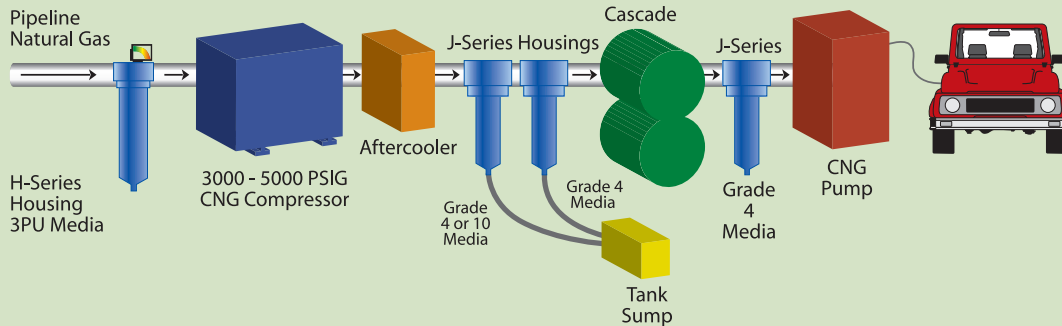
PET, or polyethylene terephthalate, is a recyclable material used to make bottles by blow molding. Food and beverage containers are just a few of the many products that can be manufactured from this thermoplastic. In order to ensure that these products remain contaminant free throughout a process, they 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.

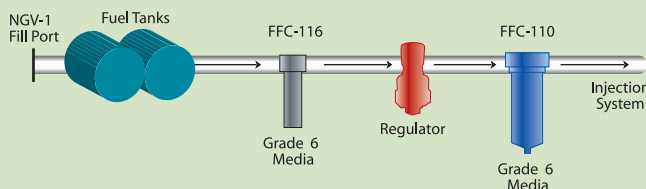


Other applications include:

- 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



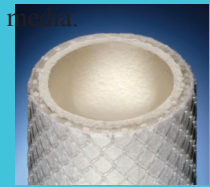
Finite Media Types, Grades and Efficiencies

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



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.

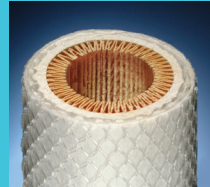
- FFC-110 (500 PSIG) Page 8
- FFC-110L (500 PSIG) Page 8
- SN8S (500 PSIG) Page 9
- M-Series (800 PSIG) Pages 10-12
- A5R/A1R (1000 PSIG) Page 13
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- S5R/S1R (5000 PSIG) Page 21
- FFC-116 (6000 PSIG) Page 22



Type H

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

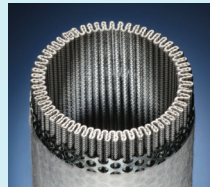
- For use with:
- A5R/A1R (1000 PSIG) Page 13
 - SM-Series (1200 PSIG) Pages 14-15
 - S5R/S1R (5000 PSIG) Page 21



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.

- For use with:
- M-Series (800 PSIG) Pages 10-12
 - SM-Series (1200 PSIG) Pages 14-15

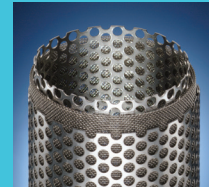


Type 7CVP

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 9
 - M-Series (800 PSIG) Pages 10-12

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

- For use with:
- SN8S (500 PSIG) Page 9
 - M-Series (800 PSIG) Pages 10-12
 - J-Series (5000 PSIG) Pages 14-15
 - SJ-Series (6000 PSIG) Pages 24-25

Particulate elements:



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 9
 - M-Series (800 PSIG) Pages 10-12
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- SJ-Series (6000 PSIG) Pages 24-25

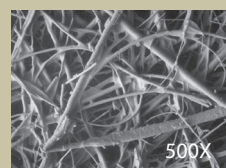
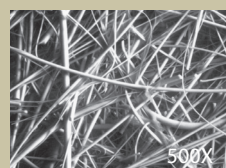
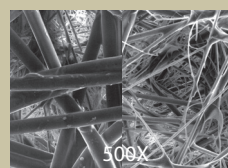
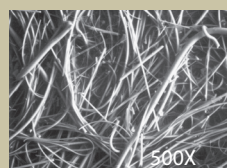
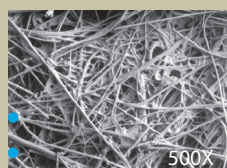
Grade 4

Grade 6

Grade 7CVP

Grade 8

Media Grades:



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 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 of-**

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

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.

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.



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 13
- SM-Series (1200 PSIG) Pages 14-15
- S5R/S1R (5000 PSIG) Page 21
- S11L (5000 PSIG) Page 22



Type F

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

For use with:

- A5R/A1R (1000 PSIG) Page 13
- SM-Series (1200 PSIG) Pages 14-15
- S5R/S1R (5000 PSIG) Page 21
- S11L (5000 PSIG) Page 22

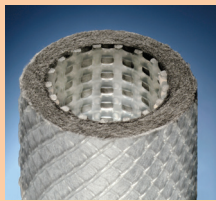


Type T

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

For use with:

- A5R/A1R (1000 PSIG) Page 13
- SM-Series (1200 PSIG) Pages 14-15
- S5R/S1R (5000 PSIG) Page 21
- S11L (5000 PSIG) Page 22



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

For use with:

- SN8S (500 PSIG) Page 9
- M-Series (800 PSIG) Pages 10-12
- SM-Series (1200 PSIG) Pages 14-15
- J-Series (5000 PSIG) Pages 18-20
- SJ-Series (6000 PSIG) Pages 24-25



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 18-20



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 18-20

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 pres-

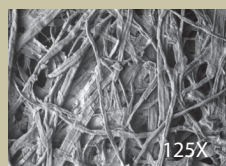
| Media Grade | Coalescing Efficiency 0.3 to 0.6 Micron Particles | Coalescing Filters - C, H, Q, 7CVP Maximum Oil Carryover ¹ PPM w/w | Particulate Filters - 3P, G, F, T Micron Rating | Pressure Drop (PSID) @ Rate Flow ² | |
|-------------|---|---|---|---|------------------------------|
| | | | | Media 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.

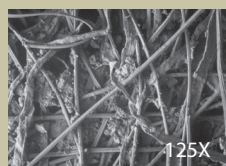
³Oil vapor removal efficiency is given for A media

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" |

Flow Rates (SCFM):

| Filter Housing Model | Media Grade | 100 | 250 | 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 | | C | - | 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 |

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 27) stainless steel auto drain can be easily connected with standard pipe fittings.

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):

How to Order:

How to Order Replacement Elements:

| Filter Housing Model | Media Grade | 100 | 250 | 500 |
|----------------------|-------------|-----|------|------|
| 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 |

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

Example: SN8S X 1

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 6-7.

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 | Max. Pressure | Max. | Materials of Construction | | | | Sump Capacity | Weight | Dimensions | |
|--------------|-----------|-------------------|-------|---------------------------|-------------------------|----------|--------|------------------|-----------------------|-----------------|----------------|
| | | | | Head | Internals | Bowl | Seals | | | Length | Width |
| MN1S | 1/4" | 800 PSIG (55 bar) | 175°F | 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 | 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 | 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 | 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 | 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 | 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 | 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) |

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 | 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 | | |
| | | | | | 6 | | | | | |
| | | | | | 8 | | | | | |
| | | | | | 10 | | | | | |
| | | | | | 4 | | | | Q (Coalescer with built-in prefilter) | U (Urethane) Standard on all sizes |
| | | | | | 6 | | | | | |
| 8 | Leave blank | 100WS | 1/4" - 1" port size: U (Urethane) For 2" leave blank (standard fluorocarbon end seals) | | | | | | | |
| 10 | | | | | | | | | | |
| 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.

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

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) |

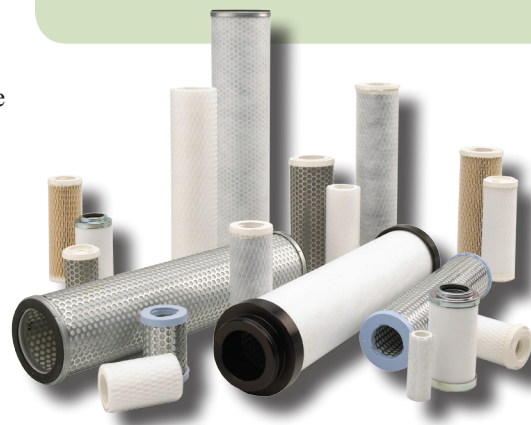
1. Determine the housing you have by choosing from the "Housing" column on the chart.
2. Determine the element type and grade you need. *Insert grades 4,6,8 or 10 for C, CU, CV or QU. See page 6-7 for more detail on grade selection.
3. Determine the corresponding element size by choosing from the "Element Size" column on the chart.
4. Combine "Element Grade and Type" designation with "Element Size" to get element part number.

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

Ex: 3PU10-025 or 6CU10-025

Element box quantity depends on media type selected.

For M-Series Flow Rates, see next page!



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

| 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 |
| | | 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 |
| | | 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 |
| | | 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 |
| | | 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 |
| | | 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 |
| | | 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 |
| | | 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 |
| | | 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 |
| | | 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 |
| | | 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 11 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.

Specifications:

| Model Number | Port Size (NPT) | Max. Pressure | Max. Temp. | Materials of Construction | | | Seals | Sump Capacity | Weight | Dimensions | |
|--------------|-----------------|---------------|------------|---------------------------|-----------|------|-------|---------------|--------|------------|-------|
| | | | | Head | Internals | Bowl | | | | Length | Width |

Flow Rates (SCFM):

| Filter Housing Model | Media Grade | 100 | 250 PSIG | 500 | 750 | 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 | Media Type | Element Size |
|---|---------------|---|---|-------|------------|--------------|
| A | 5 (1/8") | R | - | 4 | G | 04-023 |
| | 1 (1/4") | | | 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 6-7. Elements are sold in box quantities

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.

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 |
| 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) |
| | 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 | 250 | 500 | 750 | 1000 | 1200 |
|----------------------|----------------------|-------------|-----|-----|-----|------|------|
| 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 |
| 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 |
| | 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 | 250 | 500 | 750 | 1000 |

| | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|------|
| 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 |
| SMN2M | AU | 22 | 51 | 99 | 147 | 195 | 233 |
| | 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 |
| SMN2L | 3PU | 74 | 171 | 332 | 493 | 655 | 784 |
| | AU | 43 | 99 | 193 | 287 | 380 | 456 |
| | 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 |

| 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 | | | |
| | | | | | 10 | | | |
| | | | | | Leave blank | 3P (Pleated Cellulose) Particulate Element | | |
| | | | | | Leave Blank | A (Adsorber) | | |

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

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 |

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

1. Determine the housing you have.
2. Determine the element type and grade you need. *Insert grades 4,6,8 or 10. See page 6-7 for more detail on grade selection.
3. Determine the corresponding element size.
4. Combine "Element grade and Type" designation with "Element Size" to get part number. For example: 6QU10-050. Box quantity depends on media type

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 | 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:

| How to Order: | | | | | | | Port | Element Grade |
|---------------------------------------|---|---|---|---|---|--|---------------------|---------------|
| F | F | - | 1 | 1 | 2 | | Leave blank for NPT | 6 10 |
| Examples: FFC-112-6 or FFC-112 SAE-10 | | | | | | | SAE | |

Replacement Elements Available:

| Filter Housing Model | Media Grade | Media Grade |
|----------------------|-------------|-------------|
| | 6 | 10 |

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

Mounting bracket available: MB-2S

| | | |
|---------------------|---------------|----------------|
| FFC-112/FFC-112 SAE | CLS112-6 X 10 | CLS112-10 X 10 |
|---------------------|---------------|----------------|

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



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

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" | 2.97" |

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 | - | 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 | Fluorocarbon | 2.0 oz. (60 ml) | 9.2 lbs. (4.2 kgs.) | 8.1" (205.7 mm) | 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 | Fluorocarbon | 7.4 oz. (220 ml) | 13.1 lbs. (5.9 kgs.) | 12.0" | 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 | Fluorocarbon | 7.1 oz. (210 ml) | 22.1 lbs. (10.0 kgs.) | 13.5" | 4.6" |
| 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 | Fluorocarbon | 21.5 oz. (636 ml) | 52.3 lbs. (23.7 kgs.) | 21.1" | 6.5" |

How to Order:

| Series Name | Port Size | Port Type | Bowl | - | Element Grade | Element Construction | Element Size | | |
|-------------|------------|---|--|---|--|---|--|-------------|--------------|
| J | 2 (1/2") | S (SAE-8) Note: 1/2" NPT adapter bushings included. | D (Standard) L (Extra Sump) | | 4C 10C 3P A | WC (metal retainers, bonded on end caps with positive o-ring seal) | 11-035 (J2) 15-070 (J4) 23-130 (J6) | | |
| | | | | | | | | Leave blank | 100WS |
| | | | | | | | | | |
| | 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) WA (desiccant dryer with activated aluminum) | | | |
| | 6 (1 1/2") | N (NPT) S (SAE-24) | H (Standard) | | | | | | |

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

SMN1M-AUN

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 page 6-7 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 |

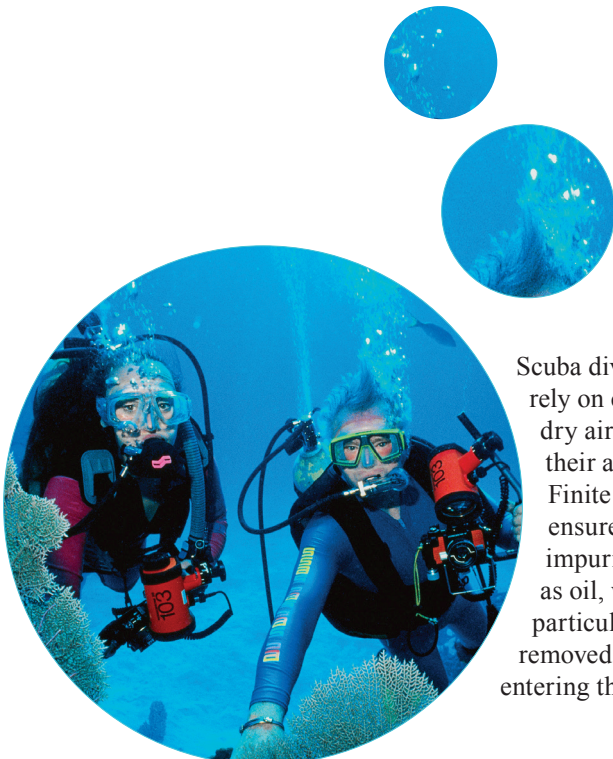
Use a high pressure drain kit with Finite's J-Series... see page 26!



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

J-Series (5000 PSIG) 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 |
|----------------------|-------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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.

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" | 1.75" |

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 Type | Element Size |
|----------------|------------|--------------|
| S 5 (1/8") R - | 4 G | 04-023 |
| 1 (1/4") | 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 6-7.

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 | Max. Pressure | Max. Temp. for each Element Type | Materials of Construction | | | Seals | Sump Capacity | Weight | Dimensions | |
|--------------|-----------|---------------|----------------------------------|---------------------------|-----------|------|-------|---------------|--------|------------|-------|
| | | | | Head | Internals | Bowl | | | | Length | Width |

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:

| S | I | I | - | Media | Media Type | Element Size |
|---|---|---|---|-------|------------|--------------|
| | | | | 4 | T | 04-013 |
| | | | | 6 | G | |
| | | | | 8 | F | |
| | | | | 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 6-7.
 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



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. (7.4 cc) for fluid contaminants, which can be drained through a plugged 1/4" NPT drain port.

Specifications:

| Model Number | Port Size (NPT) | Max. Pressure | Max. Temp. | Materials of Construction | | | Seals | Sump Capacity | Weight | Dimensions | |
|--------------|-----------------|---------------|------------|---------------------------|-----------|------|-------|---------------|--------|------------|-------|
| | | | | Head | Internals | Bowl | | | | Length | Width |

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 | - | 1 | 1 | 6 | - | | 6 10 |
| Example: FFC-116-6 | | | | | | | | |

Mounting bracket available: MBS-1

Replacement Elements Available:

| Filter Housing Model | Media Grade 6 | Media Grade 10 |
|----------------------|---------------|----------------|
|----------------------|---------------|----------------|

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

| | | |
|---------|---------------|----------------|
| FFC-116 | CLS116-6 X 10 | CLS116-10 X 10 |
|---------|---------------|----------------|

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 ¼" 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 |

*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") | S (Standard) L (Long bowl, short element, extra sump) H (High Flow: Long bowl, long) | 4C | WC (metal retainers, bonded on end caps with positive o-ring seal.) Leave blank | N (No Accessories) |
| | | 3 (3/4") | | 10C | | |
| | | 4 (1") | | 3P A 100WS | | |

Examples: SJN2S-4CW-CN
SJS3L-

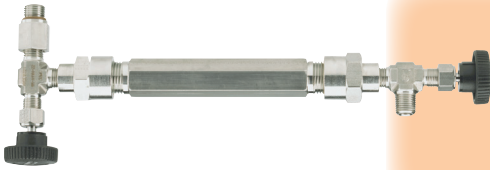
How to Order Replacement Elements:

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 6-7 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
Parker Hannifin Corporation
Filtration and Separation Division
Oxford, MI



Use a high pressure drain kit with Finite's SJ-Series... see page 26!



Flow Rates (SCFM):

| Filter Housing Model | Media | 100 | 250 | 500 | 750 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4500 | 5000 | 5500 | 6000 |
|----------------------|-------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 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 |

Note: _insert port type. See How to Order on page 24 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.

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 18-20) or Finite's SJ-Series (pages 24-25).



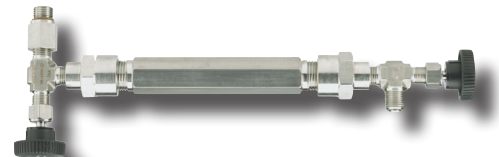
Finite's J-Series

Finite's SJ-Series

JDK5000V/
SJDK6000V



JDK5000H/
SJDK6000H



| 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) |

*The SAE-4 fitting can be removed to adapt to

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 |

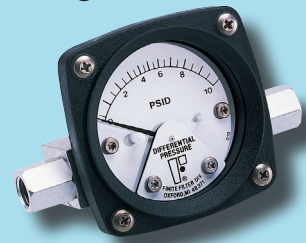
TV-25-700
Timed Drain Valve



Specifications:

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

DPI-25
Differential Pressure Gauge



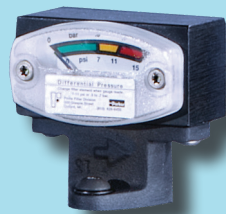
Specifications:

| | |
|-------------------|---------------------|
| 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
Adjustable Timed
Drain Valve



Specifications:

| | |
|-------------------|-------------------|
| Max. Temperature: | 200°F (93°C) |
| Max. Pressure: | 800 PSIG (55 bar) |

Filtration Group Manufacturing & Technical Service Locations

Engine and Fuel Filtration

Racor Division
Modesto, CA
209-521-7860

Beaufort, SC
Holly Springs, MS

Parker Hannifin UK Ltd.
Dewsbury, West Yorkshire
England
+44 (0) 1924 487000

Jacarei, Brazil
+55 (11) 3917 1222

Seoul, Korea
+82 2 559 0400

Hydraulic and Lube Oil Filtration

Hydraulic Filter Division
Metamora, OH
419-644-4311

Thetford, Norfolk England
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Urjala As. Finland
+358 (0) 3 54100

Arnhem, Netherlands
+31 (0) 26 3760376

Compressed Air/Gas Filtration and Generation Products

Filtration and Separation Division
Haverhill, MA
978-858-0505

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Oxford, MI
248-628-6400

Maidstone, England
+44 (0) 1622 723300

Etten-Leur, Netherlands
+31 76 508 53 00

Process Fluids and Water Filtration Products

Process Advanced Filtration Division
Oxnard, CA
805-604-3400

Maidstone, England
+44 (0) 1622 723300

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Call 1-800-CPARKER
for any Parker Products
In Europe, 00800-2727-5374.

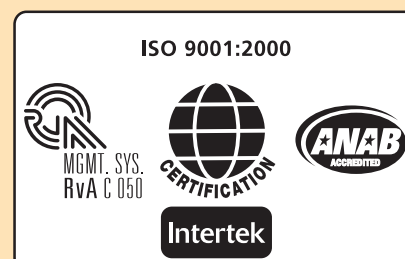


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