

- Filter Gases & Liquids**
- 316L Stainless Steel Construction**
- 1500 PSIG/400°F-Standard**
- 10,000 PSIG Available**
- Flanges Available**
- 3-Port Housings For Coalescing**
- Particulate, Or Bypass Filtration**



Our Gas and Liquid Process Filters protect equipment from sample impurities by removing solids and liquids from gases up to 99.999% efficiency at 0.01 micron. This series of filters is also ideal to use in liquid sample process applications by simply employing our pleated liquid elements, or stainless steel elements. A one (1) micron efficiency can be reached in liquids with the aforementioned elements.

To satisfy the extreme wide range of requirements for process sample filters, we supply a complete line of filter elements in stainless steel, polypropylene, and other corrosion-resistant materials. A choice of high efficiency borosilicate microfiber filter elements, which are inert to most liquids and gases, are also offered.

Our 150 and 160 series of high-pressure 316L stainless steel filter housings offer exceptional value and performance. The threaded head to bowl connection with captured o-ring provides positive sealing even in very corrosive and demanding applications. The 1500 PSIG rating covers the majority of gas and liquid applications. However, we do offer these housings with up to a 10,000-psig rating.

Our wide range of filter element materials and micron sizes allow multiple uses for these housings:

<b>Gas Service Applications:</b>	<b>Liquid Service Applications:</b>
Coalescing and/or Particulate	Particulate
CNG Filtration	High Flow Sample Service
Blow Mold Production	Fuel Filtration
Food Plant Caustic Service	Solvents/Coolants
High Pressure Compressor Service	Cryogenic Service
General High Pressure Air Service	Corrosive Environmental Service
Adsorption cartridges; Carbon, Silica Gel, 13X, 4A, etc.	Lubricants
Pleated for high dirt holding capacity	C.I.P. Service (Clean in place)

**PRINCIPLE SPECIFICATIONS-1500 PSIG (1) MODELS**

Housing Model	150	151	152	160	161	162
Port Size (NPT)	1"	1 1/2"	2"	1"	1 1/2"	2"
Drain (NPT)	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Maximum Temp. (°F) (2)	400	400	400	400	400	400
Principle Dimension: (inc.)						
Center of Port to Head	1.50	1.85	1.85	1.50	1.85	1.85
Head Diameter	4.52	4.52	4.52	4.52	4.52	4.52
Overall Length	14.75	15.58	15.58	24.50	25.12	25.12
Removal Clearance	9.05	9.05	9.05	17.87	17.87	17.87
Mounting Holes	<b>M10 x 5/8" on 2 1/2" Centers</b>					
Filter Element Codes:						
Disposable Element (3)	51-230-□	51-230-□	51-230-□	51-476-□	51-476-□	51-476-□
Stainless Steel Element (4)	SS-51-230-□	SS-51-230-□	SS-51-230-□	SS-51-476-□	SS-51-476-□	SS-51-476-□
Materials of Construction:						
Head, internals and bowl	316LSS	316LSS	316LSS	316LSS	316LSS	316LSS
Seals	Viton	Viton	Viton	Viton	Viton	Viton
Accessories:						
Support Core	SC150	SC150	SC150	SC160	SC160	SC160
Mounting Bracket	MB150	MB150	MB150	MB150	MB150	MB150
High Temperature Seals (5)	KZ150	KZ150	KZ150	KZ150	KZ150	KZ150
Internal Volume (cc)	1500	1500	1500	2700	2700	2700
<b>Air Flow Rates in SCFM at 2 PSID with standard 70C grade coalescing element (95% efficient at 0.01 micron). Please consult PFP for other flow rates.</b>						
<b>At 100 psig</b>	<b>245</b>	<b>273</b>	<b>273</b>	<b>267</b>	<b>297</b>	<b>297</b>
<b>At 250psig</b>	<b>566</b>	<b>629</b>	<b>629</b>	<b>615</b>	<b>684</b>	<b>684</b>
<b>At 500 psig</b>	<b>980</b>	<b>1098</b>	<b>1098</b>	<b>1160</b>	<b>1197</b>	<b>1197</b>
<b>At 1000 psig</b>	<b>1735</b>	<b>1928</b>	<b>1928</b>	<b>2007</b>	<b>2142</b>	<b>2142</b>
<b>At 1500 psig</b>	<b>2592</b>	<b>2880</b>	<b>2880</b>	<b>2910</b>	<b>3200</b>	<b>3200</b>

- (1) At 400°F.  
Above 400°F, pressure ratings are reduced-consult PFP for exact rating at any specific temperature.
- (2) Using standard Viton Seals.
- (3) Add grade required, e.g. 25-64-70C
- (4) Add micron rating required, e.g. SS-51-230- 1, 3, 10, 25, 50, 100, or 200.
- (5) KZ seals are high temperature Kalrez, good up to 600°F. Consult factory for higher temperatures.

<b>WATER FLOW RATES IN GPM AT 3 PSID</b>						
Model	150	151	152	160	161	162
With 25 Micron Pleated Element	5	6	6	12	14	14