



High Pressure Filter Housings

PRODUCT FEATURES / BENEFITS

- ◆ Compact Design
- ◆ Available On All T-Type Housings
- ◆ Simple But Effective Design
- ◆ Use with Stainless Steel Elements for Prolonged Service Intervals
- ◆ Eliminate Heavy Loading of Final Filter
- ◆ Protect Gas & Liquid Sample Systems
- ◆ Capture Rust and Pipe Scale from Stream Lines
- ◆ Protect Coalescing Filters from Particles

We offer a comprehensive range of high-pressure compressed air and gas filters engineered to safeguard equipment at every stage of compression and at the point of use. Whether your system relies on high-pressure storage or continuous flow operation, our filtration solutions deliver proven protection against contamination, fouling, and premature equipment wear.

United Filtration filters are specifically designed to remove harmful contaminants—including rust, pipe scale, compressor lube oil, and water—from compressed gas streams. They are widely used in demanding high-pressure CNG applications, providing reliable inter-stage filtration during multi-stage compression as well as clean, dry gas for storage and vehicle fueling.

With a broad selection of media options, our elements remove up to 99.995% of solid and liquid aerosols and capture particles as small as 0.01 microns. Activated carbon media is also available for effective oil vapor adsorption.

Our housings and replaceable elements feature extremely robust construction for operating pressures up to 6,000 PSIG, temperatures to 350°F, and flow rates up to 26,000 SCFM. We offer connection sizes up to 2 inches in NPT, SAE, BSPP, and flanged configurations, with custom options available upon request. For ultra-high-pressure applications, housings rated up to 15,000 PSIG are also available.



Miniature 5,000 PSIG Housings

PRODUCT FEATURES / BENEFITS

- ◆ 316L Stainless Steel Construction
- ◆ Pressure to 5,000 PSIG, Temperature to 900°F
- ◆ 2-Port Housings for Particulate Removal
- ◆ 3-Port Housings for Coalescing or Bypass Filtration
- ◆ Compact Designs for Fast Response Times
- ◆ Available in Hastelloy, Monel and Other Exotic Materials
- ◆ Sample Conditioning Filters
- ◆ High Pressure Relief Valve

The 110 and 120 Series Filter Housings are designed for use with both gaseous and liquid sample process analyzers. Their compact configuration, low internal volume, and positive O-ring sealing mechanism provide reliable performance in demanding analyzer applications. All wetted components are constructed from 316L stainless steel and are weld-free to ensure compliance with NACE MR-01-75 standards.

For applications requiring PTFE seals, an alternate sealing design is available by adding an "S" suffix to the housing code (e.g., 112S). PTFE seals are integral to the design and cannot be retrofitted into standard housings originally equipped with Viton O-rings. In addition, high-temperature gaskets are compatible only with "S" version housings.



Housing Model	110	112	114	116	120	122	124	126
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"
Drain Type (NPT)	1/8"	1/4"	None	None	1/8"	1/4"	None	None
Maximum Pressure (psig)	5000	5000	5000	5000	5000	5000	5000	5000
Internal Volume (cc)	25	25	25	25	34	34	34	34
Weight Of Housing (lbs)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Principle Dimensions: (inches)								
Center Of Port To Head	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
Head Diameter	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
Overall Length	2.92	2.92	2.92	2.92	3.98	3.98	3.98	3.98
Element Removal Clearance	1.57	1.57	1.57	1.57	2.36	2.36	2.36	2.36
Maximum Temp. (400°F) Standard Viton O-Ring	GV110	GV110	GV110	GV110	GV110	GV110	GV110	GV110
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	12-32-□	12-32-□	12-32-□	12-32-□	12-57-□	12-57-□	12-57-□	12-57-□
Drawing **For More Detail & Options**	<u>110</u>	<u>112</u>	<u>114</u>	<u>116</u>	<u>120</u>	<u>122</u>	<u>124</u>	<u>126</u>
Housing w/ PTFE Seals Maximum Temp.-PTFE (400°F) Standard	<u>110S</u>	<u>112S</u>	<u>114S</u>	<u>116S</u>	<u>120S</u>	<u>122S</u>	<u>124S</u>	<u>126S</u>

Notes: (1) Replace '□' with grade required, e.g. 12-32-50C

Miniature Ultra High Pressure Housings – 10,000 PSIG

PRODUCT FEATURES / BENEFITS

- ◆ 316L Stainless Steel Construction
- ◆ Pressure to 10,000 PSIG, Temperature to 900°F
- ◆ Compact Designs for Fast Response Times
- ◆ Free From Welds NACE Compliant
- ◆ Available in Hastelloy, Monel and Other Exotic Materials
- ◆ Alternative Fuel Protection
- ◆ Injection Pumps
- ◆ CNG Boosters

The 110HP and 120HP Series Filters are designed for high-pressure applications, including gaseous and liquid sample process analyzers and fuel cell filtration. The compact housing design with low internal volume minimizes sample hold-up, while the positive O-ring sealing mechanism provides a secure and leak-tight connection. All wetted components are constructed from 316L stainless steel and are free of welds to ensure corrosion resistance and structural integrity. These housings are fully compliant with NACE MR-01-75 requirements.



Housing Model	110HP	112HP	114HP	116HP	120HP	122HP	124HP	126HP
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"
Drain Type (NPT)	1/8"	1/4"	None	None	1/8"	1/4"	None	None
Maximum Pressure (psig) (1)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Internal Volume (cc)	23	23	23	23	32	32	32	32
Weight of Housing (lbs)	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0
Principle Dimensions: (inches)								
Center Of Port To Head	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Head Diameter	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Overall Length	4.13	4.13	4.13	4.13	5.12	5.12	5.12	5.12
Element Removal Clearance	1.57	1.57	1.57	1.57	2.56	2.56	2.56	2.56
Maximum Temp. (400°F) Standard Viton O-Ring	GV110HP	GV110HP	GV110HP	GV110HP	GV110HP	GV110HP	GV110HP	GV110HP
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	12-32-□	12-32-□	12-32-□	12-32-□	12-57-□	12-57-□	12-57-□	12-57-□
Drawing **For More Detail & Options**	<u>110HP</u>	<u>112HP</u>	<u>114HP</u>	<u>116HP</u>	<u>120HP</u>	<u>122HP</u>	<u>124HP</u>	<u>126HP</u>

Notes: (1) Replace '□' with grade required, e.g. 12-32-50C

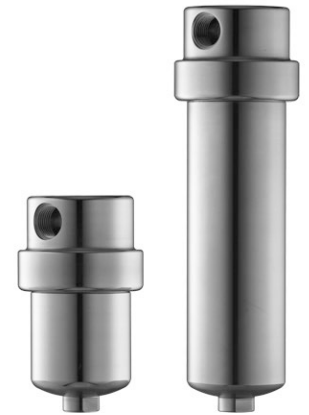
High Pressure Mid-Size housings – 3,000 PSIG

PRODUCT FEATURES / BENEFITS

- ♦ 316L Stainless Steel Construction
- ♦ Compact Design
- ♦ 3,000 PSIG Rated
- ♦ 3-Port Housings for Coalescing or Bypass Filtration
- ♦ Ideal for CNG Filtration
- ♦ Alternative Fuel Protection
- ♦ Cryogenic Production
- ♦ Gas Plant Sampling

The 130HP and 140HP Series Filters feature a rugged, yet straightforward design, making them an excellent choice for CNG applications and other high-pressure systems. Their compact housing and low internal volume help minimize sample carry-over during system start-up. For applications with higher liquid loading, a shorter filter element can be installed to increase reservoir capacity.

These housings are available with SAE port connections and are well suited for use as second-stage filters in CNG fueling and dispenser stations. Standard pressure ratings include 1500, 3000, 6000, and 10,000 PSIG to accommodate a wide range of system requirements.



Housing Model	130HP	132HP	134HP	136HP	140HP	142HP	144HP	146HP
Port Size (NPT)	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"
Drain Type (NPT)	1/4"	1/4"	None	None	1/4"	1/4"	None	None
Maximum Pressure (psig)	3000	3000	3000	3000	3000	3000	3000	3000
Internal Volume (cc)	110	110	110	110	270	270	270	270
Weight of Housing (lbs)	4.5	4.5	4.5	4.5	7.5	7.5	7.5	7.5
Principle Dimensions: (inches)								
Center Of Port To Head	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
Head Diameter	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
Overall Length	5.04	5.04	5.04	5.04	9.53	9.53	9.53	9.53
Element Removal Clearance	2.95	2.95	2.95	2.95	7.40	7.40	7.40	7.40
Maximum Temp. (400°F) Standard Viton O-Ring	GV130HP	GV130HP	GV130HP	GV130HP	GV130HP	GV130HP	GV130HP	GV130HP
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	25-64-□	25-64-□	25-64-□	25-64-□	25-178-□	25-178-□	25-178-□	25-178-□
Drawing **For More Detail & Options**	<u>130HP</u>	<u>132HP</u>	<u>134HP</u>	<u>136HP</u>	<u>140HP</u>	<u>142HP</u>	<u>144HP</u>	<u>146HP</u>

Notes: (1) Replace '□' with grade required, e.g. 25-64-50C

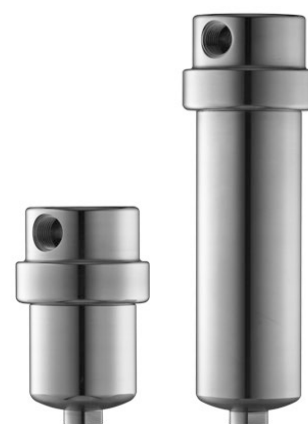
Ultra-High Pressure Mid-Size housings – 6,000 PSIG

PRODUCT FEATURES / BENEFITS

- ◆ 316L Stainless Steel Construction
- ◆ Compact Design
- ◆ 6,000 PSIG Rated
- ◆ 3-Port Housings for Coalescing or Bypass Filtration
- ◆ Ideal for CNG Filtration
- ◆ High Pressure Liquid Service
- ◆ Chemical Processing
- ◆ CNG Dispensers
- ◆ Dry Seal Gas Panels

The 130VP and 140VP Series Filters are engineered for gaseous and liquid process filtration, offering a rugged yet straightforward design that makes them well suited for CNG applications and other high-pressure systems. For applications with high liquid content, a shorter filter element can be installed to increase reservoir capacity.

These housings are available with SAE port connections and are ideal as second-stage filters for CNG fueling and dispenser stations. Standard pressure ratings include 1500, 3000, 6000, and 10,000 PSIG.



Housing Model	130VP	132VP	134VP	136VP	140VP	142VP	144VP	146VP
Port Size (NPT)	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"	1/4"	1/2"
Drain Type (NPT)	1/4"	1/4"	None	None	1/4"	1/4"	None	None
Maximum Pressure (psig)	6000	6000	6000	6000	6000	6000	6000	6000
Internal Volume (cc)	130	130	130	130	270	270	270	270
Weight of Housing (lbs)	10.5	10.5	10.5	10.5	15.0	15.0	15.0	15.0
Principle Dimensions: (inches)								
Center Of Port To Head	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Head Diameter	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
Overall Length	6.44	6.44	6.44	6.44	10.92	10.92	10.92	10.92
Element Removal Clearance	2.95	2.95	2.95	2.95	7.40	7.40	7.40	7.40
Maximum Temp. (400°F) Standard Viton O-Ring	GV130VP	GV130VP	GV130VP	GV130VP	GV130VP	GV130VP	GV130VP	GV130VP
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	25-64-□	25-64-□	25-64-□	25-64-□	25-178-□	25-178-□	25-178-□	25-178-□
Drawing **For More Detail & Options**	<u>130VP</u>	<u>132VP</u>	<u>134VP</u>	<u>136VP</u>	<u>140VP</u>	<u>142VP</u>	<u>144VP</u>	<u>146VP</u>

Notes: (1) Replace '□' with grade required, e.g. 25-64-50C

High Pressure Alternative Fuel Dispenser Filter

PRODUCT FEATURES / BENEFITS

- ◆ 316L Stainless Steel Construction
- ◆ Two Standard Versions: 1" NPT or SAE8 Ports
- ◆ 5800 PSIG (4700 PSIG on CRN Registration)
- ◆ Positive Fit Filter Element
- ◆ Ideal CNG Dispenser Filter
- ◆ Alternative Fuel Filter

United Filtration Systems' stainless steel 180VP Series is purpose-built to withstand the rigorous demands of compressed natural gas (CNG) applications. Whether installed on a booster compressor or mounted on a dispenser rack, the 180VP Series delivers exceptional protection, durability, and performance in high-pressure environments.

The compact footprint and flexible configuration options make the 180VP Series a robust, adaptable solution for CNG filtration. With multiple filter element choices available, these units provide effective removal of both:

- Particle contamination
- Liquid aerosols (coalescing filtration)

This dual-function capability ensures cleaner gas, safer operation, and extended equipment life.

At the core of every 180VP filter is a positive-fit, push-in style filter element designed for secure placement and exceptional reliability. Each element incorporates:

- Reinforced support and outer cages
- High-strength construction to withstand system upsets
- Durability through extreme pressure fluctuations and large pressure swings

These features ensure consistent performance even under the most demanding CNG conditions.



Housing Model	180VP-1"	180VP-SAE8
Port Size (NPT)	1"	SAE8
Drain Type (NPT)	SAE6	SAE6
Maximum Pressure (psig)	5800	5800
Internal Volume (cc)	750	750
Weight of Housing (lbs)	40.0	40.0
Principle Dimensions: (inches)		
Center Of Port To Head	1.25	1.25
Head Diameter	5.47	5.47
Overall Length	12.79	12.79
Element Removal Clearance	9.06	9.06
Maximum Temp. (250°F) Standard Buna-N O-Ring	BN180VP	BN180VP
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	SL-180-38-172-□	SL-180-38-172-□
Drawing **For More Detail & Options**	<u>180VP-1</u>	<u>180VP-SAE8</u>

High Pressure Compressed Gas Filter

PRODUCT FEATURES / BENEFITS

- ♦ Carbon Steel Housing with Nickel / Chrome Coating for Rust Protection
- ♦ 5,700 PSIG Maximum Pressure at 250°F
- ♦ Spring Loaded Positive Seal Elements Standard
- ♦ Large Capacity Reservoir
- ♦ SAE Porting Available
- ♦ High Pressure CNG Fuel Dispenser Service Filter
- ♦ Alternative Fuel Station Filter
- ♦ Booster Compressor Service Filter
- ♦ Storage Gas Filter
- ♦ Wellhead Control Panels

The UHPC-SL Filter Series is engineered specifically for high-pressure compressed gas coalescing filtration. Each housing is rated to 5,700 PSIG and manufactured in accordance with ASME B31.3 specifications, ensuring reliable performance under demanding operating conditions.

Constructed from carbon steel and fully coated with nickel/chrome plating for superior corrosion protection, the UHPC-SL Series provides high-efficiency filtration with a selection of three grades of robust coalescing filter cartridges. Custom configurations are also available upon request.

Our coalescing microfiber elements feature integral stainless steel inner and outer cages, metal end caps for added durability, and a captured O-ring to ensure a positive seal. Standard element seals are Buna-N, and the housing seals are matched accordingly. For alternative materials, use the following suffixes when ordering: V = Viton, E = EPDM, KZ = Kalrez (example: *SL38-172-70CSX3-V*). Five-layer stainless steel elements are also offered in a variety of micron ratings for bulk contaminant removal.

Liquid aerosols, particularly lube oil carryover, are common in high-pressure compression systems. Our reinforced microfiber coalescing elements provide an ideal solution — the glass fiber media effectively captures submicron aerosols, while the 1.25" reservoir area allows for the collection of large volumes of liquid before draining.

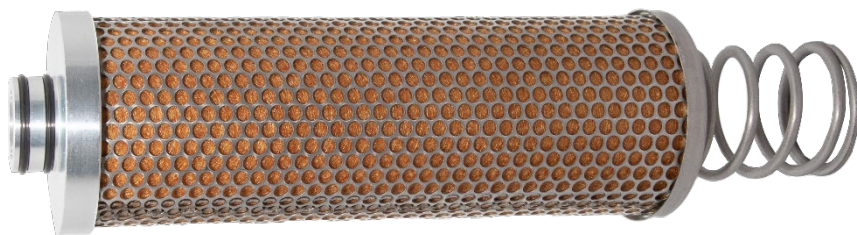


The SL Series of spring-loaded elements is designed for high differential pressure applications, featuring inner and outer stainless steel cages for maximum strength and stability. The reinforced support cores and integrated spring base protect the element from dynamic pressure fluctuations, ensuring consistent filtration performance under variable operating conditions.

For continuous liquid removal in natural gas service, we recommend our CS Grade (all-glass fiber) coalescing spring-loaded elements, which maintain high efficiency without performance loss over time.

For extreme service conditions, our "RC" Reinforced Coalescing Cartridges provide exceptional durability. These elements feature a borosilicate glass inner layer sandwiched between two rayon/phenolic layers, offering superior mechanical strength and resistance to harsh environments.

We also offer coalescing elements encapsulated within a five-layer stainless steel structure for the most demanding applications. Please consult us for configuration details and performance specifications.



SL-38-172-70CSX3
Coalescing Reinforced Caged Element

Housing Model	UHPC5-SL	UHPCSAE12-SL	UHPCSAE16-SL
Port Size	1" NPT	SAE 12	SAE 16
Drain Size	1/4" NPT	SAE 6	SAE 6
Maximum Pressure (psig)	5700	5700	5700
Maximum Temperature (°F)	250	250	250
Internal Volume (cc) (without element)	775	775	775
Weight of Housing (lbs)	26.0	26.0	26.0
Principle Dimensions: (inch)			
Center Of Port To Head	1.16	1.16	1.16
Head Diameter	4.34	4.34	4.34
Overall Length	12.13	12.13	12.13
Element Removal Clearance	9.00	9.00	9.00
Reservoir Depth	1.25	1.25	1.25
Maximum Temp. (250°F) Standard Buna-N O-Ring	BNUHPC	BNUHPC	BNUHPC
Filter Element Codes: (1) Spring Loaded Coalescing Element (Standard) *Other Elements Available-View Drawing	<u>SL38-172-□CSX3</u>	<u>SL38-172-□CSX3</u>	<u>SL38-172-□CSX3</u>
Drawing **For More Detail & Options**	<u>UHPC5-SL</u>	<u>UHPCSAE12-SL</u>	<u>UHPCSAE16-SL</u>

Notes: (1) Replace "□" with grade required, e.g. SL38-172-70CSX3

High Pressure 3,000 PSIG Process Filters

PRODUCT FEATURES / BENEFITS

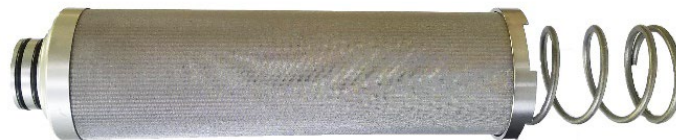
- ♦ 316L Stainless Steel Construction
- ♦ 3,000 PSIG / 400°F - Standard
- ♦ 6,000 PSIG Rated & Flanges Available
- ♦ 3-Port Housings for Coalescing
- ♦ Particulate and Bypass Filtration
- ♦ Chemical Processing
- ♦ Aerospace Filtration
- ♦ Booster Compressors
- ♦ Water Injection
- ♦ Diaphragm Compressors

Our 150HP and 160HP series high-pressure filter housings are constructed from 316L stainless steel, delivering exceptional performance and value in demanding service conditions. The threaded head-to-bowl connection with a captured O-ring ensures a positive, leak-free seal—even in highly corrosive or high-pressure environments. Rated to 3000 PSIG, these housings are suitable for a wide range of gas and liquid filtration applications.

To meet the diverse requirements of process and sample filtration, we offer a complete selection of compatible filter elements in stainless steel, polypropylene, and other corrosion-resistant materials. For critical applications, high-efficiency borosilicate microfiber elements are available, providing excellent chemical inertness and compatibility with most liquids and gases.

Spring Loaded Element Option (4401 Style)

Our 150HP–162HP series housings (3/4"–2" line size) are also available with a positive push-in type filter element, ideal for systems experiencing significant pressure variations or requiring particulate removal. Unlike conventional designs that use a tie-rod to retain the element, these housings feature elements with end caps bonded or welded in place, providing a robust and reliable fit under demanding conditions. This design also offers compatibility with a broader range of element types. **Spring-loaded and positive-seal versions are designated by the 4401 suffix.**



Housing Model	150HP	151HP	152HP	150HP-4401	151HP-4401	152HP-4401
Port Size (NPT)	1"	1 1/2"	2"	1"	1 1/2"	2"
Drain Type (NPT)	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Maximum Pressure (psig)	3000	3000	3000	3000	3000	3000
Internal Volume (cc)	1250	1250	1250	1250	1250	1250
Weight of Housing (lbs)	34.0	34.0	34.0	34.0	34.0	34.0
Principle Dimensions: (inches)						
Center Of Port To Head	1.50	2.05	2.05	1.50	2.05	2.05
Head Diameter	4.72	5.12	5.12	4.72	5.12	5.12
Overall Length	14.29	15.47	15.47	14.29	15.47	15.47
Element Removal Clearance	9.72	9.72	9.72	9.72	9.72	9.72
Maximum Temp. (400°F) Standard Viton O-Ring	GV150HP	GV150HP	GV150HP	GV150HP	GV150HP	GV150HP
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	51-230-□	51-230-□	51-230-□	SL-51-230-□	SL-51-230-□	SL-51-230-□
Drawing **For More Detail & Options**	<u>150HP</u>	<u>151HP</u>	<u>152HP</u>	<u>150HP-4401</u>	<u>151HP-4401</u>	<u>152HP-4401</u>

Notes: (1) Replace '□' with grade required, e.g. 51-230-50CS

Housing Model	160HP	161HP	162HP	160HP-4401	161HP-4401	162HP-4401
Port Size (NPT)	1"	1 1/2"	2"	1"	1 1/2"	2"
Drain Type (NPT)	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Maximum Pressure (psig)	3000	3000	3000	3000	3000	3000
Internal Volume (cc)	2500	2500	2500	2500	2500	2500
Weight of Housing (lbs)	57.0	57.0	57.0	57.0	57.0	57.0
Principle Dimensions: (inches)						
Center Of Port To Head	1.50	2.05	2.05	1.50	2.05	2.05
Head Diameter	4.76	5.12	5.12	4.76	5.12	5.12
Overall Length	23.97	25.16	25.16	23.97	25.16	25.16
Element Removal Clearance	19.37	19.37	19.37	19.37	19.37	19.37
Maximum Temp. (400°F) Standard Viton O-Ring	GV160HP/2	GV160HP/2	GV160HP/2	GV160HP/2	GV160HP/2	GV160HP/2
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	51-476-□	51-476-□	51-476-□	SL-51-476-□	SL-51-476-□	SL-51-476-□
Drawing **For More Detail & Options**	<u>160HP</u>	<u>161HP</u>	<u>162HP</u>	<u>160HP-4401</u>	<u>161HP-4401</u>	<u>162HP-4401</u>

Notes: (1) Replace '□' with grade required, e.g. 51-476-50CS

Ultra-High Pressure 6,000 PSIG Process Filters

PRODUCT FEATURES / BENEFITS

- ♦ 316L Stainless Steel Construction
- ♦ 6,000 PSIG / 400°F - Standard
- ♦ Flanges Available
- ♦ 3-Port Housings for Coalescing
- ♦ Particulate and Bypass Filtration
- ♦ Ultra High Pressure Gas Systems
- ♦ Booster Compressors
- ♦ Mechanical Seal Filter
- ♦ Critical Process Filtration

Our 150VP and 160VP series of ultra high-pressure 316L stainless steel filter housings deliver exceptional performance and value in the most demanding applications. The precision-machined, threaded head-to-bowl connection with a captured O-ring ensures a positive, leak-free seal—even in highly corrosive environments. With a pressure rating of 6,000 PSIG, these housings are ideal for a broad range of gas and liquid filtration applications.

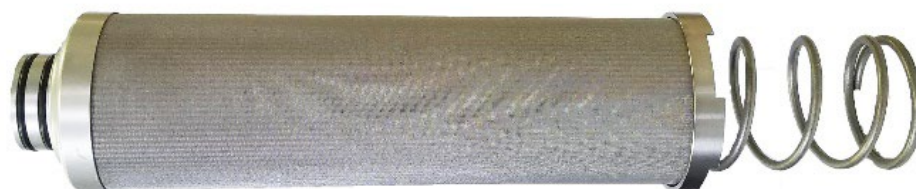
The VP Series versions of our 150 and 160 housings are built to order, allowing us to tailor each unit to your exact specifications. Custom options include differential pressure port taps, vent ports, specific face-to-face dimensions, and flange configurations. We can even manufacture a fully machined filter head with integral flanges for specialized installations.

To meet the diverse requirements of process and sample filtration, we offer a complete line of compatible filter elements in stainless steel, polypropylene, and other corrosion-resistant materials. High-efficiency borosilicate microfiber elements, chemically inert to most liquids and gases, are also available for critical applications.



Spring Loaded Element Option

Our 150HP–162HP series housings (3/4"–2" line size) are also available with a positive push-in type filter element, ideal for systems experiencing significant pressure variations or requiring particulate removal. Unlike conventional designs that use a tie-rod to retain the element, these housings feature elements with end caps bonded or welded in place, providing a robust and reliable fit under demanding conditions. This design also offers compatibility with a broader range of element types. Spring-loaded and positive-seal versions are designated by the 4401 suffix.



Housing Model	150VP	151VP	152VP	150VP-4401	151VP-4401	152VP-4401
Port Size (NPT)	1"	1 1/2"	2"	1"	1 1/2"	2"
Drain Type (NPT)	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Maximum Pressure (psig)	6000	6000	6000	6000	6000	6000
Internal Volume (cc)	1300	1300	1300	1300	1300	1300
Weight of Housing (lbs)	70.0	70.0	70.0	70.0	70.0	70.0
Principle Dimensions: (inches)						
Center Of Port To Head	1.97	1.97	2.16	1.97	1.97	2.16
Head Diameter	5.91	5.91	5.91	5.91	5.91	5.91
Overall Length	17.09	17.09	17.09	17.09	17.09	17.09
Element Removal Clearance	9.72	9.72	9.72	9.72	9.72	9.72
Maximum Temp. (400°F) Standard Viton O-Ring	GV150VP	GV150VP	GV150VP	GV150VP	GV150VP	GV150VP
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	51-230-□	51-230-□	51-230-□	51-230-□	51-230-□	51-230-□
Drawing **For More Detail & Options**	<u>150VP</u>	<u>151VP</u>	<u>152VP</u>	<u>150VP-4401</u>	<u>151VP</u>	<u>152VP</u>

Notes: (1) Replace '□' with grade required, e.g. 51-230-50CS

Housing Model	160VP	161VP	162VP	160VP-4401	161VP-4401	162VP-4401
Port Size (NPT)	1"	1 1/2"	2"	1"	1 1/2"	2"
Drain Type (NPT)	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Maximum Pressure (psig)	6000	6000	6000	6000	6000	6000
Internal Volume (cc)	2500	2500	2500	2500	2500	2500
Weight of Housing (lbs)	70.0	70.0	70.0	70.0	70.0	70.0
Principle Dimensions: (inches)						
Center Of Port To Head	1.97	1.97	2.16	1.97	1.97	2.16
Head Diameter	5.91	5.91	5.91	5.91	5.91	5.91
Overall Length	26.58	26.58	26.58	26.58	26.58	26.58
Element Removal Clearance	19.37	19.37	19.37	19.37	19.37	19.37
Maximum Temp. (400°F) Standard Viton O-Ring	GV160VP/2	GV160VP/2	GV160VP/2	GV160VP/2	GV160VP/2	GV160VP/2
Filter Element Codes: (1) Disposable Element (Standard) *Other Elements Available- View Drawing	51-476-□	51-476-□	51-476-□	51-476-□	51-476-□	51-476-□
Drawing **For More Detail & Options**	<u>160VP</u>	<u>161VP</u>	<u>162VP</u>	<u>160VP-4401</u>	<u>161VP-4401</u>	<u>162VP-4401</u>

Notes: (1) Replace '□' with grade required, e.g. 51-476-50CS

NGV High Pressure Filter Assembly

PRODUCT FEATURES / BENEFITS

- ◆ Rugged, 100% Machined Anodized Aluminum Construction
- ◆ 3600 Maximum PSIG Rating
- ◆ Available in 9/16 SAE or 1/4" NPT
- ◆ Remove 95+% of Oil, Water, and Solids from Compressed Natural Gas
- ◆ Comes Complete with Polyethylene NGV Element
- ◆ NGV (Natural Gas Vehicle)
- ◆ Gas Cylinder Filter
- ◆ After Market NGV Conversion Kits

Natural Gas Vehicle (NGV) systems require high-efficiency filtration to protect onboard fuel components from harmful particles and condensed liquids. Our unique polyethylene coalescing element delivers superior protection in a compact, robust design.

The 01NGV elements are constructed entirely from polyethylene, providing a high-efficiency rating of <1 micron for both liquids and solid particles. Equally important, the all-polyethylene construction enables rapid liquid drainage, ensuring continuous coalescing efficiency while maintaining a low pressure drop.

The durable housing is engineered for ease of service, featuring a hex base with multiple wrench points for simple installation and removal. A captured Buna-N O-ring in the bowl stays protected from debris and ensures a secure, positive seal after maintenance.

For long-term durability, each housing is anodized for corrosion resistance and engraved for permanent identification. Private labeling options are also available.



Replacement Element Kit: NGV-325ALHP

Each Kit Includes: PEL-12-57-01NGV Element, Buna-N O-Ring, and Super Lube Individual Pack (1cc)



- 15 SCFM
- High Efficiency
- Material of Construction:
 - Polyethylene
 - Buna-N

Housing Model	325ALHP-SAE6	325ALHP-1/4"
Port Size	9/16 SAE	1/4" NPT
Drain Type	9/16 SAE	1/4" NPT
Maximum Pressure (psig)	3600	3600
Internal Volume (cc)	45	45
Weight of Housing (lbs)	2.0	2.0
Principle Dimensions: (inches)		
Center Of Port To Head	0.51	0.51
Port-To-Port	2.28	2.12
Head Diameter	2.28	2.28
Overall Length	4.76	4.76
Element Removal Clearance	3.50	3.50
Maximum Temp. (240°F)		
Standard Viton O-Ring	BN315ALHP	BN315ALHP
Filter Element Codes:		
Coalescing Element (Standard-Included)		
*Other Elements Available- View Drawing	PEL12-57-01NGV	PEL12-57-01NGV
Drawing **For More Detail & Options**	<u>325ALHP-SAE6</u>	<u>325ALHP-1/4"</u>