Natural Gas Pilot Valve Filter

PRODUCT FEATURES / BENEFITS

- 316L Stainless Steel Construction
- Pressure to 5,000 PSIG, Temperature to 600°F
- Compact Proven Design
- 3-Port Housings for Coalescing or Bypass Filtration
- Clean Pilot Supply
- City Gate Natural Gas Distribution
- Meter Skid Filter
- Prep Line Gas for Instrument Supply Use

The Model 122LB-PVF is specifically engineered for high-pressure compressed gas and pneumatic filtration. Compact yet powerful, this unit delivers exceptional filtration efficiency with minimal pressure drop, making it ideal for demanding applications in natural gas, analytical, and instrumentation systems.

This housing features a flow direction from inside to outside, ensuring that liquids and aerosols are captured, coalesced, and drained along the exterior wall into the integrated large-volume sump. All 122LB-PVF Series High Pressure Filter Assemblies are supplied with a Viton® O-ring and can be ordered with or without filter elements.

Additional Features

- **NACE Approved:** Complies with NACE MR-01-75 standards.
- **High Pressure Rating:** Exceeds the capacity of the Fisher® 252 Series.
- **Compact Footprint:** Offers improved performance in a smaller, space-saving design.
- **Interchangeable Elements:** Compatible with Fisher 252 Series elements for easy upgrades.
- **Optional Top Port Configuration:** Model 122LBTP-PVF includes a 1/8" FNPT top head port for simplified installation in tight system layouts.

The 122LB-PVF is available with two standard filter element options:

- **20 micron sintered polyethylene element**
  - Designed for general-purpose particulate removal and handling of large liquid slugs. Offers robust performance in high-contamination environments.
- **0.01 micron coalescing microfiber borosilicate element**
  - Recommended for fine liquid aerosol removal where high filtration efficiency is required. Rated at 0.01 microns / 95% efficiency, the microfiber borosilicate media provides superior coalescing performance and lower pressure drop compared to traditional elements.

Ordering Information

- **122LB-PVF-PEL20 - Standard** (Includes PEL-12-76-20 – 20 Micron Polyethylene Element)
  - Replacement Element: PEL-12-76-20
- 122LB-PVF-70CS (Includes 12-76-70CS High Efficiency 0.01 Micron Coalescing Element)
  - Replacement Element: 12-76-70CS
- 122LB-PVF (No Element)

Optional Configurations:

- 122LBTP-PVF-PEL20 (Includes PEL-12-76-20 – 20 Micron Polyethylene Element) (with 1/8" Top Head Port)
  - Replacement Element: PEL-12-76-20
- 122LBTP-PVF-70CS (Includes 12-76-70CS High Efficiency Coalescing Element) (with 1/8" Top Head Port)
  - Replacement Element: 12-76-70CS
- 122LBTP-PVF (No Element) (with 1/8" Head Vent Port)

Housing Model	122LB-PVF	122LB-PVF-PEL20	122LB-PVF-70CS
Port Size (NPT)	1/4"	1/4"	1/4"
Drain Type (NPT)	1/4"	1/4"	1/4"
Maximum Pressure (psig)	5000	5000	5000
Internal Volume (cc)	58	58	58
Reservior / Sump Volume (cc)	15	15	15
Weight on Housing (lbs)	1.5	1.5	1.5
Principle Dimensions: (inches)			
Center Of Port To Head	0.39	0.39	0.39
Head diameter	1.42	1.42	1.42
Overall Length	5.98	5.98	5.98
Element Removal Clearance	3.35	3.35	3.35
Maximum Temp. (400°F) Standard Viton O-Ring	GV110	GV110	GV110
Filter Element Codes: Polyethylene Element (Standard - Included) ***Other Elements Available-View Drawing**	No Element Included	PEL-12-76-20	12-76-70CS
Drawing (Nylon Internals) **For More Detail & Options**	**122LB-PVF**	**122LB-PVF**	**122LB-PVF**

Optional Drain Valve

For convenient maintenance, we recommend the SSDV-1/4 Drain Valve, which allows quick and controlled vessel drainage with a simple turn of the knob.

316L STAINLESS STEEL PURGE VALVES

End Connection		Dimensions		
Type	Inlet Size	A	B	C Hex Size
		Inches (mm)		
SSDV-1/4"	1/4	1.81 (45.97)	0.56 (14.22)	5/8

Our SSDV Series Stainless Steel Drain Valves provide a simple, reliable solution for draining liquids from filter housings or venting pressure prior to element servicing.

Each valve features a knurled knob for easy, tool-free operation—allowing users to finger-tighten or open the valve effortlessly. A precision orifice located on the knob ensures smooth, controlled drainage of captured liquids without splashing or spillage.

Durable stainless steel construction ensures long service life, corrosion resistance, and consistent performance in demanding applications.