

PILOT VALVE PROTECTION

COMPACT HIGH PRESSURE STAINLESS STEEL FILTER ASSEMBLY

Features:

- 316L Stainless Steel Construction
- Pressure To 5,000 PSIG, Temperature To 600°F
- Compact Design For Fast Response Times
- 3-Port Housings For Coalescing Or Bypass Filtration

Applications:

- Protect Sensitive Analyzers
- Clean Pilot Supply



Our model 473-122LB is ideal for high pressure compressed gas and pneumatic filtration. Although compact, the 473-122LB provides excellent high efficiency filtration in high pressure systems with low pressure drops. The 473-122LB comes complete with either a 20 micron sintered polyethylene filter element, model 473-122LB-PEL20 or with a 0.01 micron coalescing element, designated as 473-122LB-70CS. In each case, the flow direction is from inside to out so that liquids will be captured, coalesced, and then drained off the element's exterior wall into a large sump.

The polyethylene element should be used where particulate contamination is a concern, and/or large slugs of liquid are present. **The PEL20 (20 micron polyethylene) is a robust general purpose filter element.** If greater filtration efficiency is required, and the main concern is liquid aerosol contamination, then we recommend using the **12-76-70CS coalescing element which is rated at 0.01 microns against 95% efficiency.** While the grade 70C provides greater efficiency, it actually has a lower pressure drop based upon its microfiber borosilicate construction. For other element options, please consult us directly at 1-800-311-5561.

By offering a higher pressure rating, a smaller footprint and a variety of elements with superior efficiencies the 473-122LB is an excellent upgrade to the Fisher 252 Series. Plus, the elements are completely interchangeable between the two assemblies. We also offer a 473-122LB with a 1/8" FNPT top head port which makes installation on some systems easier. This unit is designated as 473TP-122LB.

PRINCIPLE SPECIFICATIONS

| Housing Model | 473-122LB |
|---|--------------|
| Port Size (NPT) | 1/4" |
| Drain Type (NPT) | 1/4" |
| Maximum Pressure (psig) | 5000 |
| Internal Volume (cc) | 53 |
| Reservoir / Sump Volume (cc) | 15 |
| Maximum Temp. - Viton (400°F) (Standard) | GV110 |
| Maximum Temp. - Kalrez (600°F) | KZ110 |
| Principle Dimensions: (inches) | |
| Center Of Port To Head | 0.39 |
| Head diameter | 1.42 |
| Overall Length | 5.98 |
| Element Removal Clearance | 3.35 |
| Filter Element Codes: | |
| PEL Filter Element (Standard) (Max. Tem. 200°F) | PEL-12-76-20 |
| Disposable Element | 12-76-70CS |
| Stainless Steel Element (1) | SS-12-76-□ |
| Materials Of Construction: (2) | |
| Head & Internals | 316LSS |
| Bowl | 316LSS |
| O-Rings | Viton |
| Accessories: | |
| Mounting Bracket | MBSS110 |

Notes: (1) Replace "□" with micron rating, i.e., 01, 03, 10, 25, 50, 100, 200
 (2) Material abbreviations, 316LSS = 316L Stainless Steel



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1-800-311-5561



Partner of Headline Filters

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Supply Gas Filter: This filter will remove large amounts of moisture and particulate while still allowing a generous flow for Pilot Gas Applications. This housing is equipped with a 1/4" drain which allows the user to plug the drain or use an optional drain valve.

Analyzer Filter: Point of Use filtration for critical application. The compact design/low internal volume allow a quick response time for sampling applications.

Bottled Gas Filter: Rated for 5,000 PSIG this filter is suited for most bottled gas applications.

NACE Approved: Complies with NACE MR-01-75.

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES

| Air Line Pressure (PSIG) | PEL-12-76-20 (Standard – Installed in Housing) | 12-76-70CS |
|-----------------------------|---|------------|
| 15 | 3 | 7 |
| 30 | 4 | 10 |
| 60 | 7 | 17 |
| 100 | 11 | 27 |
| 150 | 15 | 36 |
| 250 | 23 | 56 |
| 500 | 44 | 108 |
| 1500 | 133 | 330 |
| 3000 | 265 | 659 |
| 5000 | 468 | 1118 |

Ordering information:

The 473 -122LB series can be purchased with or without elements and includes a Viton O-ring:

Model 473-122LB (no element)

Model 473-122LB-PEL20 (includes PEL-12-76-20 - 20 micron element)

Model 473-122LB-70CS (includes 12-76-70CS high efficiency 0.01 micron coalescing element)

Part numbers listed in red are always in stock.

Replacement elements:

PEL12-76-20

12-76-70CS

Other elements are available

Model 473TP-122LB (no element) (with 1/8" head vent port)

Model 473TP-122LB-PEL20 (includes PEL-12-76-20 - 20 micron element) (with 1/8" head vent port)

Model 473TP-122LB-70CS (includes 12-76-70CS high efficiency 0.01 micron coalescing element (with 1/8" head vent port)

All housings come with a 1/4" solid drain plug which must be removed to drain liquids. We recommend purchasing the SS-PET-100-1/4 drain valve which allows drainage of the vessel with a simple turn of a knob.



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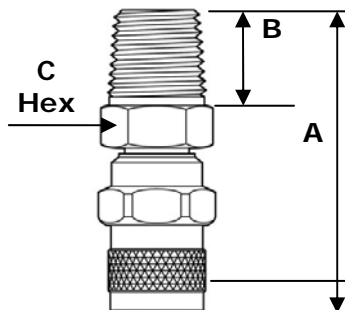
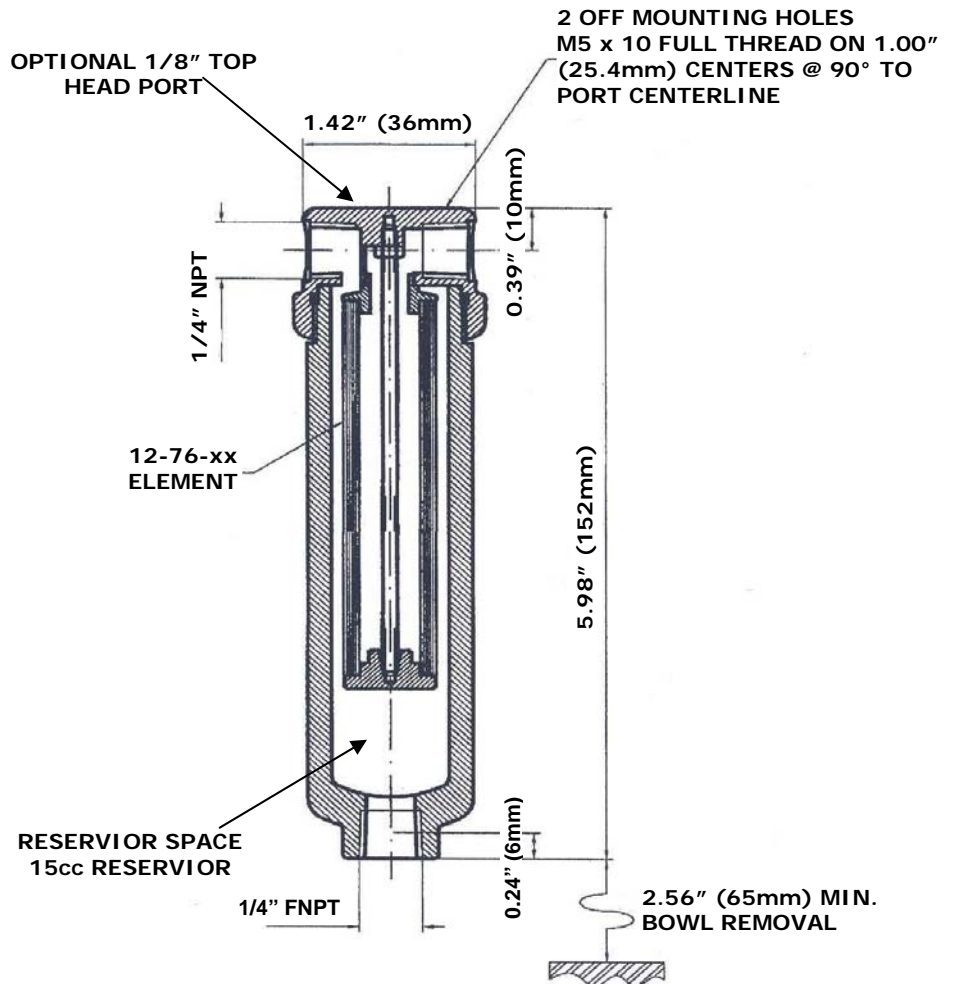
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Our stainless steel drain valves offer a simple and reliable method to either drain liquids from a filter housing or vent to reduce the pressure before servicing an element. The knurled knob allows finger tightening of the unit; no tools are required once installed. The SS-PET-100 is ideally used with our stainless steel series of housings.

A small orifice on the knurled knob allows captured liquids to drain effortlessly.



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316L STAINLESS STEEL PURGE VALVES

| Type | End Connection Inlet Size | Dimensions | | |
|-----------------|------------------------------|--------------|--------------|------|
| | | A | B | C |
| | | Inches (mm) | | |
| SS-PET-100-1/4" | 1/4 | 1.81 (45.97) | 0.56 (14.22) | 9/16 |