

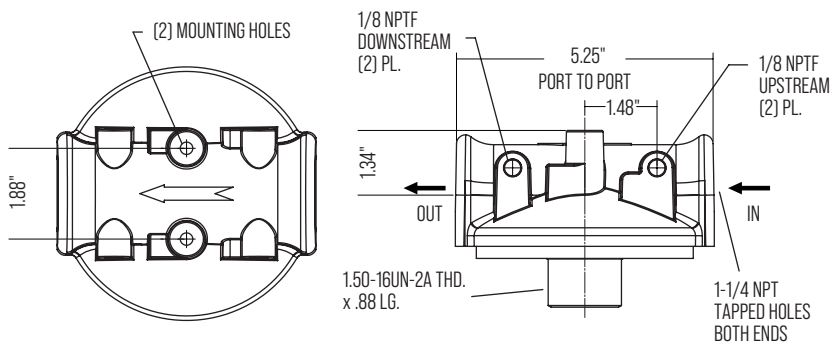


FILTER INSTALLATION

FMS-25-SP



- Define the fluid inlet port by following the embossed arrow on the filter head.
- Place pressure gauges in the US and DS ports (1/8" NPT), on the front for permanent display.
- Place test point on the US and DS ports (1/8" NPT), on the back for permanent viewing.
- Attach the filter using the holes/thread in the filter head.
- A safety/spill/leak tray is recommended.
- Read the tolerances of the casing and do not exceed them (diagram); recommended flow: 25 GPM.



HOUSING TECHNICAL SPECIFICATIONS

Max. Flow per Housing	25 gpm
Porting	1 1/4" NPT
Additional Ports	4 x 1/8" NPT (2 X US & 1 DS)
Elements Options	FMS-1/25-P, FMS-3/25-P (particulate) FMS-W25-A (absorbing)
Max. Operating Pressure	100 psi (7 bar)
Min. Yield Pressure	150 psi (10 bar)
Temperature Range	-20°F to 225° (-29°C to 107°C)
Bypass Setting	30 psi (2 bar)
Porting Base	Cast Aluminum
Element Case	Steel
Element Change Clearance	2.5" (65 mm)
Weight	5 lbs (2.3 kg)



ELEMENT CHANGE INSTRUCTIONS

FMS-1/25-P

FMS-W25-A

1 Remove used element O-Ring from filter head. Confirm there are no seals remaining.

2 Clean and lubricate O-Ring seating surface and threads.

3 Install appropriate O-ring to head (This will be the rectangle O-Ring not the square O-Ring).



CORRECT O-RING



INCORRECT O-RING



CORRECTLY INSTALLED O-RING



INCORRECTLY INSTALLED O-RING

4 The O-Ring should not be installed on element.



ELEMENT CHANGE INSTRUCTIONS

FMS-1/25-P

FMS-W25-A

5

Install new element until hand tight (when element makes contact with sealing surface).

Installed element after being hand tightened.



6

After hand tightening, use the appropriate tool to tighten the element another half turn.



7

Inspect element for any signs of poor O-Ring fitment or leaks.

KEY PRECAUTIONS

- The old seal/o-ring is removed from the filter head.
- The appropriate, larger rectangular seal is installed onto the filter head before the spin-on is installed.
- The sealing surfaces are lubricated with oil or diesel fuel prior to installation.
- The spin-on is tightened no more than ½ a turn from hand tight, or where the spin-on first makes contact with the seal.