



Low Pressure Filter Assemblies



- Up to 435 PSI (30 bar)
- Flow rates up to 634 GPM (2400 l/m)
- Unique adapter flange available





FJV-183-E
(extended)

FJV-183-S
(standard)

Optional
adapter plate

Electrical
Δp gauge

Cored element
bypass insert

FJV-183 Series

Low Pressure Filter Assemblies

Housing Features

- Flows to 634 gpm (2400 lpm)
Depending on pipe size, consult factory
- Port size: 4" side in – side out; Adapter plates available for other port sizes

Notes and Specifications

Maximum working pressure:

435 psi (30 bar)

Proof pressure: 653 psi (45 bar)

Burst pressure: 1740 psi (120 bar)

Pulsed pressure fatigue test:

1,000,000 cycles with pressure from 0 to 435 psi (30 bar)

Temperature rating:

From 13°F (-25°C) to 230°F (110°C)

Materials of Construction:

Head and body: Anodized black aluminum

Seal material: NBR (standard) FPM (optional)

Weights:

FJV-183-S (standard length): 55 lbs (25.1 kg)

FJV-183-E (extended length): 74 lbs (33.5 kg)

Volumes:

FJV-183-S: 4 gal (15 dm³)

FJV-183-E: 7.4 gal (28 dm³)

Bypass valve:

Opening pressure 50 psi (3.5 bar) ± 10%

Other opening pressures available.

Consult factory.

Filter element collapse pressure:

290 psi (20 bar)

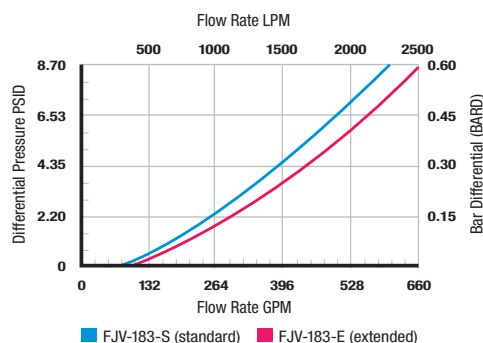
Flow direction: Out to in

Compatibility (to ISO 2943)

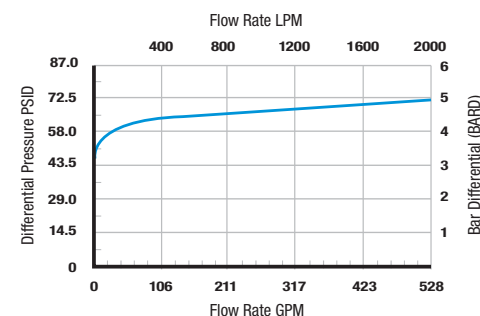
- Housings compatible with: Mineral oils, synthetic fluid, aqueous emulsions, water and glycol
- The filter elements are compatible with: Mineral oils, synthetic fluid, aqueous emulsions, water and glycol
- NBR seals series A, compatible with: Mineral oils, synthetic fluid, aqueous emulsions, water and glycol
- FPM seals series V, compatible with: Synthetic fluids type HS-HFDR-HFDS-HFDU

Pressure Drop Versus Flow (ISO 3968)

FJV-183 Δp Housing with Standard 4" Port



FJV-183 Bypass valve pressure drop



Notes: Test fluid: mineral oil (S.G. of .86)



Available with Full Range of Filter Elements

Coreless

- Micro-fiberglass (SWIFTGLASS™)

Cored

- Micro-fiberglass (SWIFTGLASS™)
- Wire mesh (SWIFTMESH™)
- Wire cloth (SWIFTMESH™)



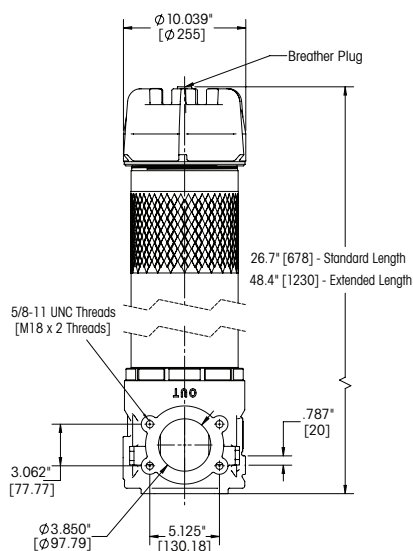
Coreless housings and stand pipe assembly

Unique Adapter Flange Available —
Reduces standard 4" opening. Custom flanges available upon request, consult factory.



1" NPT adapter shown

Ordering Information for Standard Low Pressure Filter Assemblies

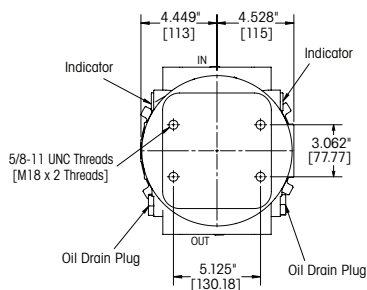


FJV	183 Series	Housing Length	Standpipe	Bypass	Port Size	Seal	Options
		S= STANDARD E= EXTENDED			4= 4" (101.1 mm)	B= NBR V= FKM	
		OMIT= NONE SP= WITH STANDPIPE		X= NONE B= 51 PSI \pm 10% (3.5 bar) \pm 10%		OMIT= NO OPTIONS F= ADAPTER PLATE*	

Example:

FJV-183-E-SP-B-4-B-F

This would be the part number for an extended length Series 183 Filter Assembly, with standpipe for coreless elements, a bypass indicator, 4" port, Nitrile seals with adapter plate.



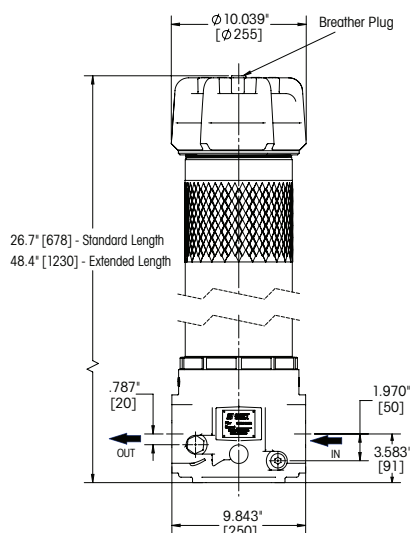
Ordering Information for Low Pressure Elements

SF	Series	Length	Micron
	8300= Standard Capacity 8310= Deep Pleat-High Capacity 8314= Coreless	16 39	01um= SWIFTGLASS™ 1 MICRON 03um= SWIFTGLASS™ 3 MICRON 06um= SWIFTGLASS™ 6 MICRON 12um= SWIFTGLASS™ 12 MICRON 25um= SWIFTGLASS™ 25 MICRON 25uw= SWIFTMESH™ WIRE CLOTH 74uw= SWIFTMESH™ WIRE MESH 149uw= SWIFTMESH™ WIRE MESH

Example:

SF8314-39-6um

This would be the part number for a SWIFTGLASS™ 6 micron coreless element, 39 inches long.



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ISO 9001:2015
Registered Quality System



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