



# Fulflo® Single Cartridge High-Pressure Filter Vessels

## Single Cartridge Filter Vessel Series

### Fulflo® High-Pressure Filter Vessels Are Ideal for High-Pressure Liquid and Gas Systems

Ideal for a wide range of industrial machinery and process industry applications, these vessels combine extremely high-pressure rating capability with ease of installation and rugged durability.

#### Applications

- Petrochemicals
- Process Water
- Coolants
- Solvents
- Hydraulic Oils
- Compressed Air and Gasses
- Other High-Pressure Liquids



#### Features and Benefits

- 4MX10 has ductile iron head with integral mounting bosses for ease of mounting.
- 4MX10 has threaded cartridge to head with O-ring for positive seal.
- 4.5C and SSIM10 feature multiple bolt closure to meet high pressure requirements.
- In-line pipe connections for easy installation.
- Spring-loaded bottom seats for positive cartridge sealing.
- Drain and vents standard on all models.

### Process Filtration Division



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CAD drawing B needed

## Design Specifications

Model	Rated Capacity*		(Number) & Length of Wound Depth Cartridges (in)	Maximum Operating Pressure (psi)	Maximum Operating Temperature	Overall Height (in)	Outside Dia. (in)	Face-to Face Dim. (in)	Pipe Size (NPT) (in)	Shipping Weight (lbs)
4.5C10-3/4 SD	5	300	(1) 10	450 psi (31.0 bar)	400°F (206°C)	13-5/16	3-5/8	4-3/8	3/4	9
4MX10-3/4 SD	5	800	(1) 10	4000 psi (275.9 bar)	250°F (121°C)**	13	4	5	3/4	30
SS4.5C10-3/4 SD	5	-	(1) 10	450 psi (31.0 bar)	400°F (206°C)	13-5/16	4	4-3/8	3/4	10
SS1M10-3/4 SD	5	-	(1) 10	1000 psi (69.0 bar)	250°F (121°C)**	14-3/8	3-1/2	4-3/4	3/4	23
SS1M20-3/4 SD	10	-	(1) 20	1000 psi (69.0 bar)	250°F (121°C)**	24-1/2	3-1/2	4-3/4	3/4	27
SS1M30-3/4 SD	15	-	(1) 30	1000 psi (69.0 bar)	250°F (121°C)**	34-3/4	3-1/2	4-3/4	3/4	31

\* Maximum flow rate for gases based on air at 70°F (21°C) and maximum operating pressure with initial pressure loss of 3 psig (.2 bar) with a 10µm viscose Fulflo® filter cartridge.

Rated liquid capacity based on initial pressure drop of 3 psig (.2 bar) with a 20µm cotton Fulflo® filter cartridge and fluid viscosity equivalent to water.

\*\* Maximum operating temperature to 400°F (206°C) with Viton\*\*\* elastomer O-ring.

\*\*\* A trademark of E. I. du Pont de Nemours & Co.

## Ordering Information

<b>SS1M</b>	<b>20</b>	<b>3/4</b>	<b>S</b>	<b>D</b>
Design Series	Cartridge Length	Connection Size	Spring-Loaded Seal	Drain

SS = Stainless Steel  
 4 = 304 SS Steel  
 C = 450 PSIG Design Pressure  
 M = 1000 PSIG Design Pressure

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