

Fulflo® “M” Series Single Cartridge Vessels

ASME code high-pressure single cartridge

Parker’s “M” Series Single Cartridge Filter Vessels are designed for a broad range of high pressure industrial and chemical process applications. All details of design, materials, construction and workmanship comply with the ASME code for pressure vessels. The “M” series is available with and without the ASME stamp.

Benefits

- ASME design to insure integrity, available with and without the ASME stamp
- T-Style head and shell for ease of installation and servicing
- Standard O-Ring closure seal is Buna-N, with optional materials available for improved chemical compatibility and higher temperature rating
- Flanged or threaded connections to suit installation requirements and preference

Contact Information

Parker Hannifin Corporation
Industrial Process Filtration - N.A.
118 Washington Avenue
Mineral Wells, TX 76067

phone +1 940 325 2575
industrialprocess.na@parker.com

www.parker.com/industrialprocess



- Optional 150, 300 or 600 lb. RFSO flange connections for installation flexibility
- 1-inch connections for maximum flow capability of filter cartridges
- Utilizes one 10-, 20- or 30-inch cartridge
- Multiple bolt closure with bright zinc plated studs
- Optional single-open-end (SOE 2-222 TC Style) cartridge adapter for positive sealing of high efficiency filter cartridges
- Wide range of cartridge media available for process clarity control and chemical compatibility
- Rigid cartridge support post with threaded end seal for positive double open end (DOE) cartridge seating

Applications

- Chemicals
- Catalyst Recovery
- Solvents
- Cutting Oils
- Other High Pressure Liquids
- Process Water
- Lubricants
- Coolants
- Hydraulic Oils
- Compressed Air and Gases

ENGINEERING YOUR SUCCESS.

Fulflo® “M” Series Single Cartridge Vessels

SPECIFICATIONS

Carbon steel or 316 stainless steel material
 Drain: ¼ in. NPT
 Vent: ¼ in. NPT
 Bolting: (4) 5/8-11 UNC bright zinc plated carbon steel
 O-ring head to shell seal

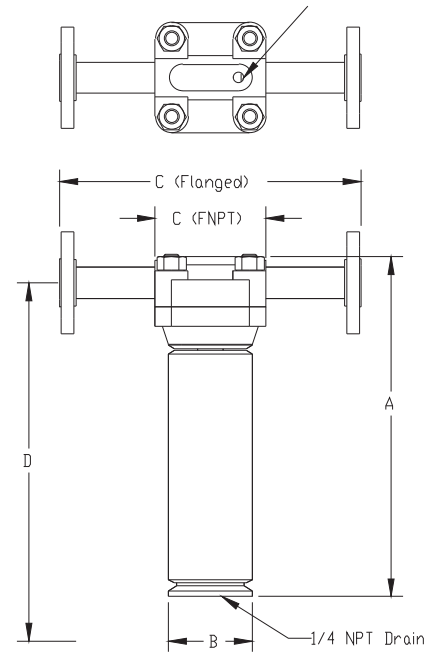
Optional Shell O-Ring/Gasket	
Material	Part #
Nitrile/Buna-N (Std.)	4151-1339
EPDM	4154-5339
FKM (Viton®)	4152-8339
Fluoropolymer encapsulated Viton®	4150-5589
Fluoropolymer encapsulated Silicone	4150-5588

Maximum Allowable Working Pressure

Connections	Designation	Carbon Steel @ 250°F (121°C)	316 Stainless Steel @ 250°F (121°C)
FNPT	T	1610psig	1610psig
150 lb. Flange	F	245psig	225psig
300 lb. Flange	H	665psig	590psig
600 lb. Flange	J	1332psig	1180psig

Note:

FNPT maximum pressure is 1610psig at 300°F with EPR O-ring, 400°F with Viton® and FEP encapsulated Viton® O-ring, and 500°F with FEP Encapsulated Silicone. Flanged units (F, H, and J designations) are based on ANSI B16.5 pressure at 250°F (121°C). The flanged versions can also be rated for the higher design temperature in which case the pressure rating will be reduced according to ANSI B16.5. Indicate the desired temperature in degrees F at the end of the model number. The gasket material and flange rating must be changed accordingly.



M Series Flow Rates & Dimensions

Model	Typical Aqueous Flow Rate† (gpm)	Cartridge Length (in)	(A) Height (in)	(B) Outside Diam. (in)	(C) Face-to-Face (in)		Weight (lbs)		(D) Cartridge Removal Clearance (in) ‡
					FNPT	Flanged	FNPT	Flanged	
MC (N or U) 1S	6	10	14.5	3.5	4.62	12.62	37	45	22
MC (N or U) 1D	12	20	24.5	3.5	4.62	12.62	46	54	42
MC (N or U) 1T	18	30	34.5	3.5	4.62	12.62	55	63	62

† Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type.

‡ Add 3" when using TC internal option for use with TC style 2-222 O-ring cartridges.

Ordering Information

Material		Design		Columns	Length		Inlet Outlet		Inlet Outlet Type		Gasket Material		Internal Option		Special Temperature for Flanged Units	
CODE	Description	CODE	Description	1	CODE	Inches	CODE	Inches	CODE	Description	CODE	Description	CODE	Description	CODE	Description
C	Carbon Steel	N	Non-Code	1	S	10	1	1	T	FNPT	N	Buna-N	Blank	Center Post for DOE	Blank	250° (121°C)
S	316SS	U	ASME U-Stamp		D	20			F	Flanged 150#	E	EPR	TC	222 O-ring Adapter		
					T	30			H	Flanged 300#	V	Viton®				
									J	Flanged 600#	T	FEP Encap. Viton®				
									K	Flanged 900#	L	FEP Encap. Silicone				
									L	Flanged 1500#						
									M	Flanged 2500#						

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety

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