

Fulflo® S Filter Vessels

- Carbon Steel
- 304 and 316 Stainless Steel

Fulflo® S Series ASME Code Filter Vessels

Fulflo® S Series Multi-Cartridge Filter Vessels meet a broad range of liquid and gas applications for flow rates up to 2,040 gpm (7,720 lpm). All details of design, materials, construction and workmanship of the S vessel series conform to ASME code.

The S Vessel Series accommodates double-open-end (DOE) or single-open-end (SOE) filter cartridges in 10 in, 20 in, 30 in and 40 in equivalents.

Applications

- Liquid
- Gas
- Food & Beverage
- Chemical Processes
- Petrochemical
- Paints & Coatings
- Industrial



Features and Benefits

- Built in accordance with ASME boiler and pressure vessel code.
- Available in 150 psi (10.3 bar) and 300 psi (20.7 bar) designs.
- Non-code design and construction (parallel to code standards) available.
- Mechanical coverlifts standard on most models.
- S85 and S102 feature hydraulic coverlifts (available on all models as an option).
- Buna-N O-ring closure seal provides positive cover sealing.
- Viton* elastomer, neoprene, ethylene propylene rubber and fluoropolymer elastomer O-rings are also available for temperatures up to 500°F (261°C).
- All S models feature swing bolts with closures for quick cleaning and servicing.
- Accepts double-open-end (DOE) or single-open-end (SOE) cartridges.

Process Filtration Division

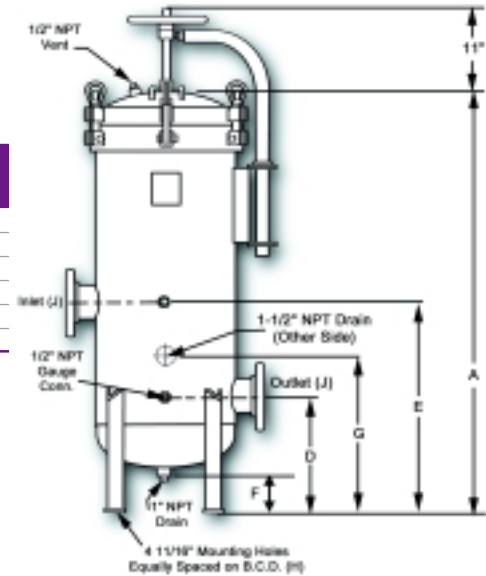
Multi-Cartridge Filter Vessel Series



Maximum Operating Conditions

Material of Construction	Maximum Operating Pressure (psi at 250°F) †	Maximum Design Temperature
Carbon Steel	150 psi (10.3 bar)	500°F (261°C)
Carbon Steel	300 psi (20.7 bar)	500°F (261°C)
304 Stainless Steel	150 psi (10.3 bar)	300°F (150°C)
304 Stainless Steel	300 psi (20.7 bar)	300°F (150°C)
316 Stainless Steel	150 psi (10.3 bar)	400°F (206°C)
316 Stainless Steel	300 psi (20.7 bar)	400°F (206°C)

† Operating temperature limited by standard gasket material and exterior paint.



150 psi (10.3 bar) Design Specifications

Model	No. & Length of Cartridges (in)	Maximum Flow (gpm)	Dimensions (in)	A†	B	C	D	E	F	G	H	J††	Shipping Weight (lbs)
S25-3-4F	(25) 30	375	55-7/8	26	18-1/16	15-1/2	28	5	20-7/16	17-3/4	4	515	
S25-4-6F	(25) 40	500	67-3/4	26	18-1/16	16-1/2	31	5	22-1/4	17-3/4	6	540	
S35-3-4F	(35) 30	525	57-15/16	29-1/4	20-1/16	16-1/2	31	5	22-9/16	19-3/4	4	640	
S35-3-6F	(35) 30	525	58-3/16	29-1/4	20-1/16	16-1/2	31	5	22-9/16	19-3/4	6	645	
S35-4-6F	(35) 40	700	68-1/4	29-1/4	20-1/16	16-1/2	31	5	22-9/16	21-3/4	6	695	
S40-3-6-F	(40) 30	600	60-1/4	30-3/4	22-1/16	18	32	5	23-13/16	21-3/4	6	810	
S52-3-4F	(52) 30	780	63-11/16	33-3/8	24-1/16	20-1/2	34	5	27-9/16	23-3/4	4	855	
S52-3-6F	(52) 30	780	63-11/16	33-3/8	24-1/16	20-1/2	34	5	27-9/16	23-3/4	6	865	
S52-4-8F	(52) 40	1040	72-11/16	33-3/8	24-1/16	20-1/2	34	5	27-9/16	23-3/4	6	900	
S85-3-8F	(85) 30	1275	66	39-3/4	30-1/16	22	40	6	28-11/16	29-13/16	8	1170	
S85-4-8F	(85) 40	1700	75-5/8	39-3/4	30-1/16	22	40	6	28-11/16	29-13/16	8	1200	
S102-3-8F	(102) 30	1530	69-3/16	42-1/4	32-1/16	23-5/8	41-1/4	6	31-11/16	31-13/16	8	1450	
S102-4-8F	(102) 40	2040	79-1/4	42-1/4	32-1/16	23-5/8	41-1/4	6	31-11/16	31-13/16	8	1600	

† Add 5 in to this dimension for hydraulic coverlift.

†† Inlet and outlet size standard ASA flanges.

Ordering Information

4	S	35	3	4F	K1
Material	Design Series	Number of Columns	Cartridge Length (in)	Inlet/Outlet Flange Size	Coverlift Option
No Symbol = Carbon Steel	S = Dished Head (25-102)	25	3 = 30	4F = 4 in Flange	K1 = Mechanical
4 = 304 Stainless Steel	HS = High Pressure	35	4 = 40	6F = 6 in Flange	K2 = Hydraulic
6 = 316 Stainless Steel	CS = Non-Code	40		8F = 8 in Flange	
		52			
		85			
		102			

Process Filtration Division

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

Parker Hannifin Corporation
 Process Filtration Division
 P.O. Box 1300
 Lebanon, Indiana 46052
 Telephone (765) 482-3900
 Fax (765) 482-8410
<http://www.parker.com>

