



 Compliant with
NSF/ANSI 61

MP SERIES

Membrane Protection Housings

- ASME Design
- Universal
- Equivalent of Parker Fulflo MP housings

Multi-purpose industrial ASME "U" & "UM" code housings.



SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment

MEDIA	Accepts multiple 30" or 40" cartridges.
DESIGN PRESSURE	150psig (10.3bar) @ 400°F(204.4°C) design pressure.
AVAILABLE MATERIALS	Stainless Steel 304 or 316. Also available in LDX2101, C276, AL6XN, 2205, 2507 & Monel 400. <i>*All materials are in compliance with NSF 61 standards, except for carbon steel.</i>
ADDITIONAL FEATURES	Bead blasted exterior and passivated interior/exterior surfaces to help prevent corrosion. Multi-purpose filter seat cups accept industry standard double open end and 222 style cartridges. Swing bolt closure allows for quick element change out. Stainless steel 304 bolting and davit standard.

Fischer-Robertson, Inc.
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Membrane Protection Housings

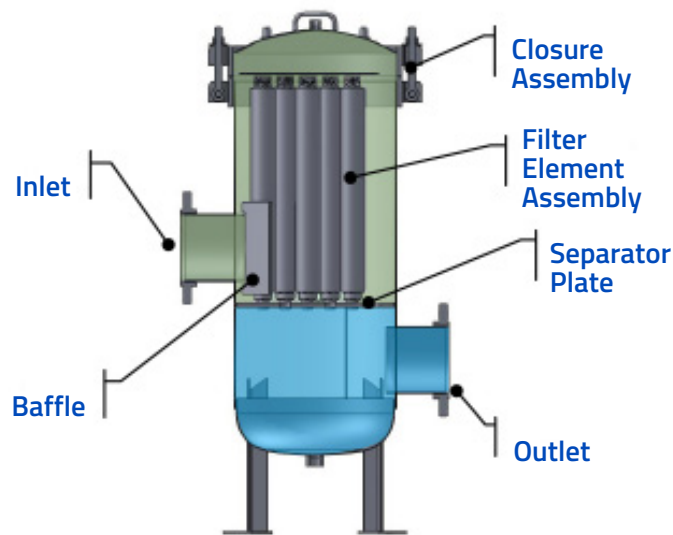
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HOUSING SPECIFICATIONS

*Indicates standard configuration

Inlet/Outlet	3" Flange - 20" Flange*
Dirty Drain	2"NPT*
Clean Drain	2"NPT*
Vent	½" NPT*
Gauges	½" NPT*
Certifications	U, UM, CE, NB, CRN



MODEL FLOW RATES

MODEL	# OF FILTERS 2.5"	FLOW RATE GPM 2.5"	MAX INLET/ OUTLET
MP12	12	240	4"
MP14	14	280	4"
MP17	17	340	4"
MP21	21	400	6"
MP29	29	580	6"
MP35	35	680	6"
MP40	40	840	8"
MP52	52	1060	8"
MP62	62	1240	8"
MP70	70	1400	10"
MP86	86	1740	10"
MP103	103	2060	10"
MP110	110	2200	12"
MP118	118	2520	12"
MP140	140	2800	14"
MP150	150	3000	14"
MP176	176	3560	14"
MP190	190	3800	16"
MP205	205	4100	16"
MP225	225	4500	16"
MP245	245	4900	18"

Flow rates based on water at 5gpm/10" (Assuming 40" Cartridges). Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

MATERIAL OF CONSTRUCTION

MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE	MAX. DESIGN TEMP
304 Stainless Steel	150 psi (10.3bar)	400°F (204.4°C)
316 Stainless Steel	150 psi (10.3bar)	400°F (204.4°C)

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HOUSING OPTIONS

*Indicates standard configuration

Configuration Options (at right)
A – Side in/side out*
B – In-Line
C – Side in/Bottom out
D – Side in/Side out, Same Side

Finish Options
(-) – Bead Blast*
(-) – Passivation*
 EP1 – Electro polish Inside/Outside
 EP2 – Inside only
 EP3 – Outside only

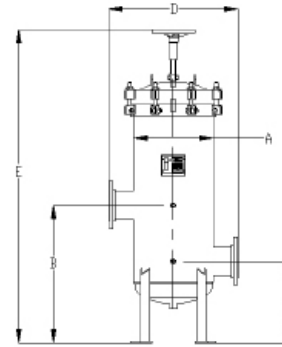
O-Ring Options
(-) – Buna-N*
 ED – EPDM
 VI – Viton
 SI – Silicone
 TEV – Teflon encapsulated Viton
 TF – Teflon

Head Lift Options
(-) – Mechanical Davit (std for GL12 and larger)*
(-) – Hydraulic Davit (std for GL40 and larger)*
 K3 – Hydraulic head lift
 *Other head lift options available

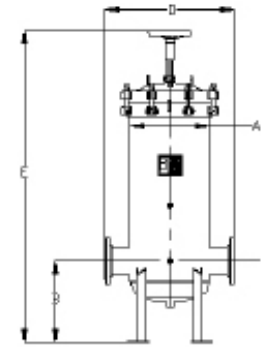
Filter Configuration
E1 – Double Open End (std)*
 E2 – DOE with Gasket Ends
 E3 – DOE with 1" Ext. Core
 E4 – SOE Flat End 222 Open End
 E5 – SOE Fin End 222 Open End
 E8 – SOE Plastic Spring Top 222
 E9 – SOE Plastic Spring Top

Accessories
 Direct Reading Gauge
 DP Gauge
 Safety Relief Valves
 Vent Valves
 Drain Valves
 Air Eliminator

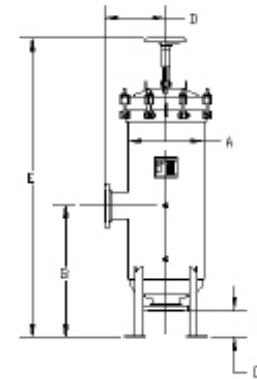
A Side in/side out*



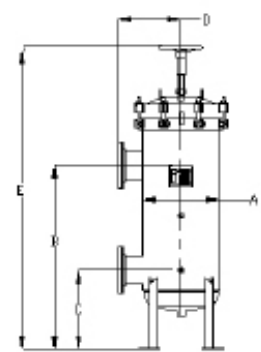
B In-Line



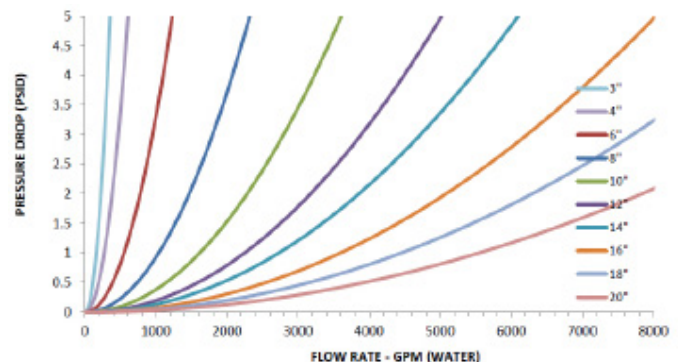
C Side in/Bottom out



D Side in/Side out, Same Side



FLOW CHART



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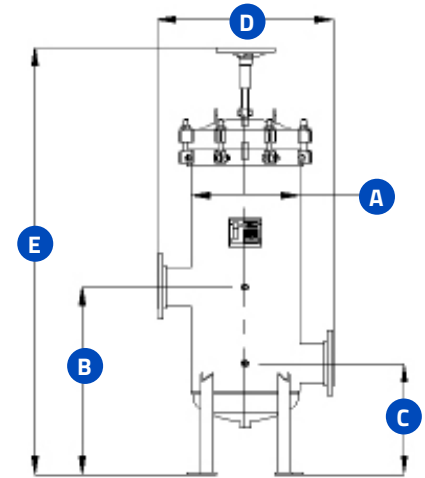


MODEL DIMENSIONAL DETAILS

MODEL	SHIPPING WEIGHT (LBS)	A	B	C	D	E
MP12-4-3F	240	12½"	26"	16"	21"	79"
MP14-4-3F	280	13⅙"	26"	16"	21"	79"
MP17-4-4F	340	14⅜"	26"	16"	23"	79"
MP21-4-6F	400	16⅜"	28"	17"	27"	81"
MP29-4-6F	580	18½"	32"	19"	30"	83"
MP35-4-6/8F	680	20½"	33"	20"	32"	86"
MP40-4-8F	840	22½"	34"	20"	33"	86"
MP52-4-8F	1060	24½"	35"	22"	35"	89"
MP62-4-8F	1240	26½"	36"	22"	36"	92"
MP70-4-8/10F	1400	28½"	36"	22"	40"	89"
MP86-4-10F	1740	30⅝"	39"	24"	43"	94"
MP103-4-10F	2060	32⅝"	40"	24"	46"	94"
MP110-4-10F	2200	34⅝"	42"	26"	48"	98"
MP118-4-12F	2520	36⅝"	46"	28"	48"	101"
MP140-4-12F	2660	38⅝"	48"	30"	50"	101"
MP150-4-12F	2800	40¾"	50"	32"	54"	102"
MP176-4-14F	3000	42¾"	54"	35"	58"	107"
MP190-4-14F	3560	44¾"	54"	35"	58"	107"
MP205-4-16F	3800	46¾"	54"	35"	58"	107"
MP225-4-16F	4100	48¾"	54"	35"	58"	107"
MP245-4-16F	4500	50¾"	56"	36"	64"	112"

CHART LEGEND

- A** OUTSIDE DIAMETER
- B** FLOOR TO INLET
- C** FLOOR TO OUTLET
- D** FACE TO FACE
- E** OVERALL HEIGHT



NOTE: Above dimensions are for Style A. For other options contact factory.

PRODUCT NOMENCLATURE

L4	MP	21	40	6F	-
MOC	MODEL	# OF FILTERS	LENGTH	CONNECTION TYPE	OPTIONS
L4 - SS304 L6 - SS316	MP ASME CODE	See Table	30 40	See Table	See Housing Options for more options



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