



Fil-Trek



LP SERIES

Multi-Bag Filter Housing
ASME Design/Non-Code



Water



Desalination



Chemicals



Electronics



Oil/Gas



Air/Gas



Inks/Paints/ Coatings



Power



Coolants



Pulp & Paper

LP SERIES Multi-Bag Filter Housings

- Economic multi-purpose ASME code and non-code designed housings.
- Accepts multiple double length bags.
- 150psig (10.3bar) @ 400°F(204.4°C) design pressure.
- Also available in LDX2101, C276, AL6XN, 2205, 2507 & Monel 400.
- LP housings allow for easy filter bag removal and do not require ladders or platforms to change the filter bags.
- Swing bolt closure allows for quick bag change out.

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MODEL FLOW RATES

Housing Specifications

Inlet/Outlet

2" Flange -18" Flange

Dirty Drain

½" NPT on all sizes (std)

Clean Drain

2" NPT on all sizes (std)

Vent

½" NPT on all sizes (std)

Gauges

½" NPT on all sizes (std)

Basket

1/8" on 3/16" perforated plate

*Other basket options available.

Headlift

Hydraulic Davit on LP40 and larger (std)

Legs

Angle Iron Legs with footpads (std)

Closure

Swing bolt closure (std)

Standard Pressure

150 PSI

Standard Temperature

400°F (204°C)

Certifications

U

UM

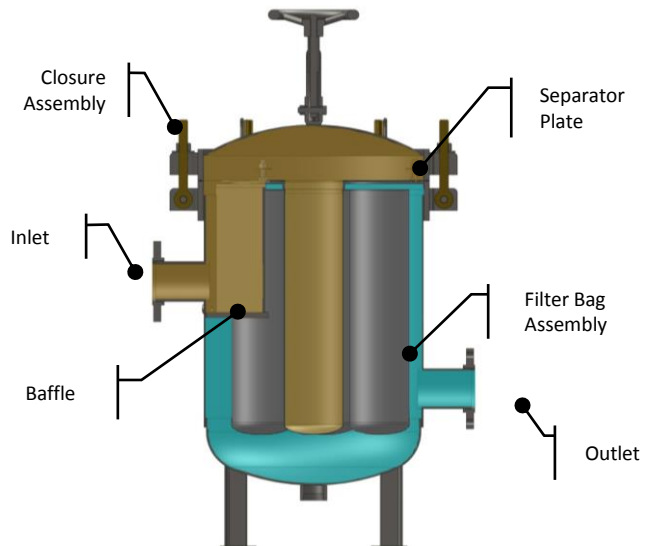
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NB

CRN

MODEL	# OF BAGS	FLOW RATE - GPM	MAX INLET/OUTLET (IN)
LP16	2	250	4"
LP18	3	375	6"
LP20	4	500	6"
LP22	5	625	6"
LP24	7	750	6"
LP26	7	875	8"
LP28	8	1,000	8"
LP30	10	1,250	8"
LP32	11/12	1,375	10"/8"
LP34	12	1,500	10"
LP36	14	1,750	10"
LP38	17	2,125	10"
LP40	18	2,250	12"
LP42	19	2,375	12"
LP44	22	2,750	12"
LP46	23	2,875	14"
LP48	26	3,125	14"
LP50	27	3,375	14"
LP52	29	3,625	16"
LP54	34	4,250	16"
LP56	35	4,375	16"
LP58	37	4,625	18"
LP60	40	5,000	18"

Flow rates above are based on water at 125gpm per filter bag, using 10 micron single layer filter bags with a clean pressure drop of 2psi. When operating using baskets only, each basket can flow up to 200gpm. Actual flow rates are dependent on fluid viscosity, bag micron rating, type of filter bag, and contaminant. Please contact Fil-Trek for assistance with sizing.



MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE (PSI @250°F)	MAX. DESIGN TEMP
CARBON STEEL	150 psi (10.3bar)	400°F (204°C)
304 STAINLESS STEEL	150 psi (10.3bar)	400°F (204°C)
316 STAINLESS STEEL	150 psi (10.3bar)	400°F (204°C)

MODEL DIMENSIONAL DETAILS

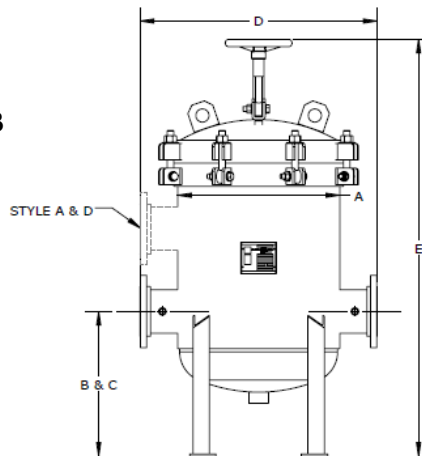
MODEL	NUMBER OF BAGS	SHIPPING WEIGHT (LBS)	A	B	C	D	E
LP16	2	330	16"	18"	18"	28"	56"
LP18	3	360	18"	20"	20"	30"	59"
LP20	4	410	20"	20"	20"	34"	60"
LP22	5	475	22"	22"	22"	36"	60"
LP24	7	560	24"	22"	22"	38"	62"
LP26	7	600	26"	24"	24"	38"	62"
LP28	8	650	28"	26"	26"	44"	63"
LP30	10	700	30"	26"	26"	46"	64"
LP32	11/12	810	32"	28"	28"	48"	66"
LP34	12	950	34"	28"	28"	52"	68"
LP36	14	1000	36"	28"	28"	54"	68"
LP38	17	1100	38"	28"	28"	58"	70"
LP40	18	1225	40"	30"	30"	60"	70"
LP42	19	1350	42"	32"	32"	62"	72"
LP44	22	1425	44"	32"	32"	66"	75"
LP46	23	1600	46"	32"	32"	68"	77"
LP48	26	1750	48"	34"	34"	70"	79"
LP50	27	1900	50"	36"	36"	74"	82"
LP52	29	2100	52"	38"	38"	76"	85"
LP54	34	2200	54"	38"	38"	78"	87"
LP56	35	2450	56"	38"	38"	80"	90"
LP58	37	2700	58"	40"	40"	84"	93"
LP60	40	2950	60"	40"	40"	86"	96"

Dimensions above are based on standard configuration 'B', side in/side out – In-line. Contact factory for weights and dimensions for all other model configurations

REFERENCE CHART LEGEND

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

STYLE B



HOUSING OPTIONS

Configuration Options

- A – Side in/side out
- (-) B – In-Line side in/side out (std)
- C – Side in/Bottom out
- D – Side in/Side out, Same Side

Basket Options

- (-) – 1/8" on 3/16" perforated basket (std)
- MB__ - Mesh lined basket (insert mesh size in open space)

Finish Options

- (-) – Paint "National Blue" (std for CS)
- (-) – Bead Blast (std for SS304 or SS316)
- EP1 – Electro polish Inside/Outside
- EP2 – Inside only
- EP3 – Outside only
- PP – Passivation

O-Ring Options

- (-) – Buna-N (std)
- ED – EPDM
- VI – Viton
- SI – Silicone
- TEV – Teflon encapsulated Viton

Accessories

- Direct Reading Gauge
- DP Gauge
- Safety Relief Valves
- Vent Valves
- Drain Valves
- Air Eliminator
- Omega Springs
- Balloon/Liquid Displacer
- Bag Magnet

PRODUCT NOMENCLATURE

S6	LP	18	3	12	4F	150	-
MATERIAL	MODEL	HOUSING DIAMETER SEE TABLE	# OF BASKETS SEE TABLE	BASKET LENGTH 12 – SIZE 2	CONNECTION TYPE SEE TABLE	DESIGN PRESSURE 150	OPTIONS
(-) – CARBON	LP – ASME CODE						SEE SIDE PANEL FOR OPTIONS
S4 – SS304	ELP – NON ASME						
S6 – SS316							

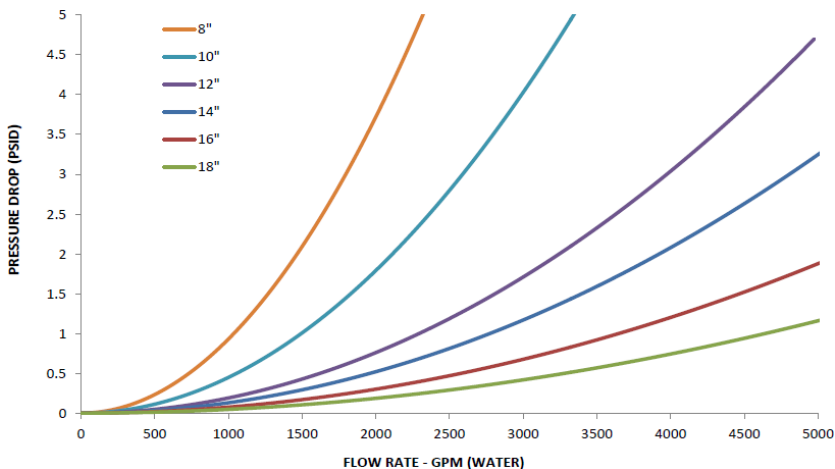
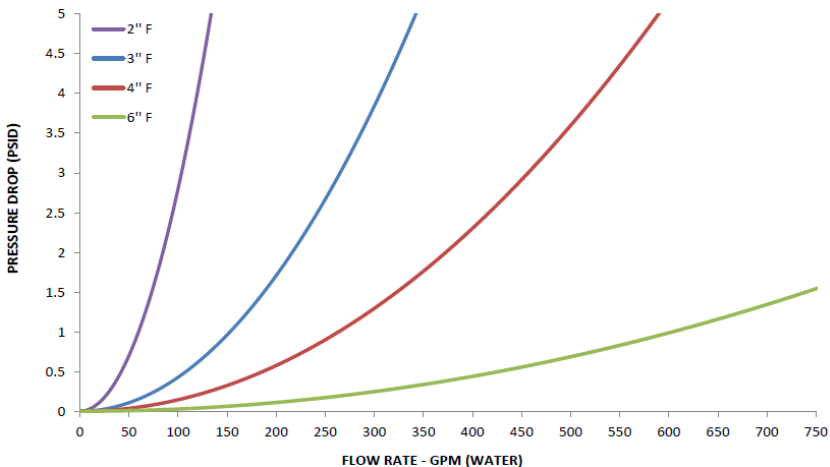
NOTE: The LP series in an ASME code stamped housing. This vessel is also available in an industrial non-code design.

For non-code, add the prefix "E" to the LP in the part number.

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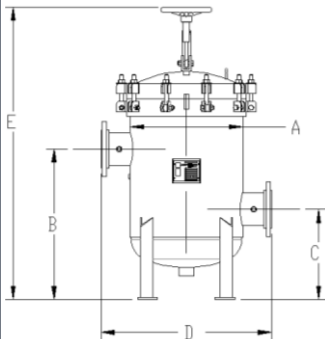
FLOW CHART



ADDITIONAL MODEL CONFIGURATIONS

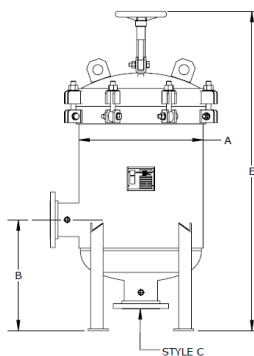
STYLE A

Side In /Side Out



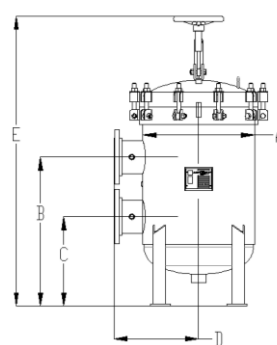
STYLE C

Side In/Bottom Out



STYLE D

Side In /Side Out Same Side



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