



Model M

High Efficiency Pleated Paper Filter Cartridges

The PECOFacet Model M high efficiency pleated paper filter cartridges are designed to effectively remove solid contaminants such as rust, dirt, scale, granular and other types of solids from:

- Fuels · Rollings Oils · Insulating Oils · Paints · Liquid Plastics · Waxes · Lube Oils · Coolants · Industrial Water · Varnishes · Base Oils · Solvents (Stoddard Based) · Petroleum Based And Synthetic Hydraulic Fluids

The filtration of potable liquids is not recommended with the M cartridges.

These cartridges are constructed to meet the demanding requirements of the industrial filter market. Media with high efficiency throughout the life of the cartridge is available in ratings of 0.5 to 75 micron. We recommend replacing cartridges when the differential pressure reaches 15 psi.

Our pleated paper filter media is made from a variety of natural and synthetic fibers. The fibers are bonded using various resins to provide excellent filtration and solids holding characteristics.

All cartridges are 6" (152 mm) outside diameter and 3 1/2" (89 mm) inside diameter. To simplify maintenance, we offer one piece cartridges in four lengths: single-length of 14 1/2" (370 mm), double length of 28 3/4" (730 mm), triple-length of 43 1/4" (1090 mm) and quadruple-length of 57 3/4" (1465 mm).

BENEFITS

- Higher efficiency and longer service life = lower operating costs
- High efficiency cartridge provides superior solids holding capacity
- New spirally wound core reduces cartridges weight resulting in lower freight costs

STANDARD DESIGN FEATURES

- Maximum recommended operating temperature: 240°F (115°C)
- pH Range from 5 to 9
- Initial differential pressure: 2 psi (.14 kg/cm²) or less
- Design collapse pressure: 75 psi (5.25 kg/cm²)
- Flow direction: Outside to in
- Micron ratings: 0.5, 1, 2, 5, 10, 15, 25, 40 and 75
- Available in both self-centering rod mount and screw base

MATERIALS

- All metal components coated to protect against corrosion
- Gaskets are Buna-N —other materials available on request
- Perforated paper outer wrap available if required

HOUSING SELECTION

- Model 1MCM housings —non-code design for low flow rates
- SuperFlex™ housings —ASME Code design for high flow rates
- Model M housings —ASME Code design for high flow rates
- Model HF housings

MODEL LEGEND

M: Model M Filter Cartridge / P: Pleated Paper Media / 0.5: Nominal Micron Rating
L: Perforated Paper Outer Wrap (if applicable) / X2: Nominal Length / SB: Special Feature (if applicable)

MODEL	MICRON RATING	NOMINAL LENGTH	
		inches	mm
MP0.5	0.5	14 ½	370
MP0.5X2	0.5	28 ¾	730
MP0.5X3	0.5	43 ¼	1100
MO0.5X3SB	0.5	45	1140
MP0.5X4	0.5	57 ¾	1465
MP0.5X4SB	1	57	1450
MP1	1	14 ½	370
MP1X2	1	28 ¾	730
MP1X3	1	43 ¼	1100
MP1X3SB	1	45	1140
MP1X4	1	57 ¾	1465
MP1X4SB	1	57	1450
MP2	2	14 ½	370
MP2X2	2	28 ¾	730
MP2X3	2	43 ¼	1100
MP2X3SB	2	45	1140
MP2X4	2	57 ¾	1465
MP2X4SB	2	57	1450
MP5	5	14 ½	370
MP5X2	5	28 ¾	730
MP5X3	5	43 ¼	1100
MP5X3SB	5	45	1140
MP5X4	5	57 ¾	1465
MP5X4SB	5	57	1450
MP10	10	14 ½	370
MP10X2	10	28 ¾	730
MP10X3	10	43 ¼	1100
MP10X4	10	57 ¾	1465
MP15	15	14 ½	370
MP15X2	15	28 ¾	730
MP15X3	15	43 ¼	1100
MP25	25	14 ½	370
MP25X2	25	28 ¾	730
MP25X3	25	43 ¼	1100
MP40	40	14 ½	370
MP40X2	40	28 ¾	730
MP40X3	40	43 ¼	1100
MP75	75	14 ½	370
MP75X2	75	28 ¾	730
MP75X3	75	43 ¼	1100

SINGLE-LENGTH (14½") CARTRIDGE FLOW RATES AND EFFECTIVE FILTRATION SURFACE AREA:

To determine the double, triple and quadruple-length cartridge flow rates or surfaces areas, multiply the single-length result by 2, 3 or 4 respectively.

MICRON		0.5		1		2		5		10		15		25		40		75	
viscosity		flow	DP	flow	DP	flow	DP	flow	DP	flow	DP	flow	DP	flow	DP	flow	DP	flow	DP
ssu	cs	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi	gpm	psi
29	1	66	.50	66	.28	66	.28	66	.13	66	.08	66	.04	66	.03	66	.06	66	.02
32	2	66	1.0	66	.57	66	.57	66	.26	66	.18	66	.09	66	.06	66	.04	66	.02
36	3	66	1.5	66	.86	66	.86	66	.40	66	.27	66	.14	66	.09	66	.07	66	.04
43	5	52	2.0	66	1.4	66	1.4	66	.66	66	.45	66	.23	66	.15	66	.11	66	.07
52	8	32	2.0	57	2.0	57	2.0	66	1.1	66	.73	66	.37	66	.23	66	.18	66	.11
58	10	26	2.0	46	2.0	46	2.0	66	1.3	66	.89	66	.47	66	.29	66	.22	66	.13
98	20	13	2.0	23	2.0	23	2.0	50	2.0	58	1.4	66	.93	66	.58	66	.44	66	.26
140	30	8	2.0	15	2.0	15	2.0	33	2.0	50	1.7	66	1.4	66	.87	66	.66	66	.40
190	40	6	2.0	11	2.0	11	2.0	25	2.0	45	2.0	66	1.9	66	1.2	66	.88	66	.53
230	50	5	2.0	9	2.0	9	2.0	20	2.0	38	2.0	56	2.0	66	1.4	66	1.1	66	.66
342	75	3	2.0	6	2.0	6	2.0	13	2.0	25	2.0	38	2.0	60	2.0	66	1.6	66	1.0
455	100	2	2.0	4	2.0	4	2.0	10	2.0	17	2.0	28	2.0	45	2.0	60	2.0	66	1.3
910	200	1	2.0	2	2.0	2	2.0	5	2.0	8	2.0	14	2.0	22	2.0	30	2.0	50	2.0
1365	300	0.9	2.0	1	2.0	1	2.0	3	2.0	6	2.0	9	2.0	15	2.0	20	2.0	33	2.0
1818	400	0.6	2.0	1	2.0	1	2.0	2	2.0	4	2.0	7	2.0	11	2.0	15	2.0	25	2.0
2273	500	0.5	2.0	0.9	2.0	0.9	2.0	2	2.0	3	2.0	5	2.0	9	2.0	12	2.0	20	2.0
surface area*		8.6		20.2		23.1		23.1		23.1		23.1		23.1		23.1		23.1	
*square feet																			

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