



## Flow-Max® Filters

Top quality stainless steel filter housings and a full range of pleated cartridges for liquid filtration applications.

# Flow-Max<sup>®</sup> Filter Housings & Cartridges

## Provide High Performance and Reduce Filtration Costs

**Check out these many features and benefits:**

- 100% stainless steel for durability.
- All stainless steel construction.
- Convenient band clamp lid closure is standard for easy cartridge replacement.
- Pipe fittings are readily accessible for easy installation.
- Adjustable top plate accepts variable length cartridges for more options.
- Two drains provided for clean and dirty fluids.
- Legs and mounting tabs are available.



- Knife edge seals are provided at both ends of all DOE cartridges for superior performance.
- Rated for temperatures to 250° F. (No plastic holding rods.)
- Pressure rating to 150 psi.
- Housings for pressures to 300 psi are available.
- Optional sanitary connections.
- Models to accept DOE, 222 and cartridges with 226 end caps.
- Protective poly-coat over stainless steel standard finish.
- Electro-polishing is available.
- Standard, Premium Series and Jumbo models are in stock for immediate shipment.

## Specifications

<b>Material:</b>	Multi-cartridge and Jumbo filter housings are constructed using stainless steel.
<b>Pressure rating:</b>	Housings are rated for pressures to 150 psi (10 bar). 300 psi pressure rating is available.
<b>Temperature:</b>	Filters are rated for temperatures to 250° F (121° C). Please consider cartridges to be used.
<b>Gaskets &amp; seals:</b>	Buna-N is standard. Viton, EDPM and Teflon are available.
<b>Finish:</b>	Protective poly-coat over stainless is standard finish. Electro-polishing available.
<b>Pressure drop:</b>	Initial pressure drop is <1 psi at designed flow rates for housings only.
<b>Cartridge types:</b>	Housings are designed to accept DOE cartridges. Adapters for 222 & 226 cartridges available.

## Models



4 & 5 round models



7 round



12 round



22 round



Premium Series



## Standard multi-cartridge filter housings

Heavy-duty housings in stainless steel, rated for pressures to 150 psi and temperatures to 250°F. Filters accept DOE cartridges, with optional adapters for 222 and 226 elements available. Bolt-on tabs for 4 & 5 round housings available for skid mounting.

Model	Max. Flow	Std. Cartridge	Pipe Size	Drain Size
FM4X1-1	30 GPM	9-3/4" or 10"	1" NPT	1/2" NPT
FM5X1	30 GPM	9-3/4" or 10"	2" NPT	1/2" NPT
FM4X2	60 GPM	20"	2" NPT	1/2" NPT
FM4X3	90 GPM	29-1/4" or 30"	2" NPT	1/2" NPT
FM4X4	120 GPM	40" (or two 20" per rod)	2" NPT	1/2" NPT
FM5X4	150 GPM	40" (or two 20" per rod)	2" NPT	1/2" NPT
FM12X3	250 GPM	29-1/4" or 30"	3" flange	1/2" NPT
FM12X4	300 GPM	40" (or two 20" per rod)	3" flange	1/2" NPT
FM22X3	500 GPM	29-1/4" or 30"	4" flange	1/2" NPT
FM22X4	600 GPM	40" (or two 20" per rod)	4" flange	1/2" NPT

## Premium Series

Heavy-duty housings in stainless steel with mounting legs and pressure gauges pre-installed on inlet and outlet fittings. Rated for pressures to 150 psi and temperatures to 250°F.

Model	Max. Flow	Std. Cartridge	Pipe Size	Drain Size
FMPS4X2	60 GPM	20"	2" NPT	1/2" NPT
FMPS5X3	120 GPM	29-1/4" or 30"	2" NPT	1/2" NPT
FMPS5X4	150 GPM	40" (or two 20" per rod)	2" NPT	1/2" NPT
FMPS7X4	200 GPM	40" (or two 20" per rod)	2" NPT	1/2" NPT



Legs and pressure gauges are standard.



## Single cartridge housing (Rated for 250°F and 250 psi)

Models with nickel plated brass heads & 304 sumps; all 304; and all 316 housings for cartridges with o-ring style end caps.

Model	Cartridge	Pipe	Head	Sump
FM10-BN-304-34T*	10" (9-3/4" rigid)	3/4"	BN	304
FM20-BN-304-34T*	20"	3/4"	BN	304
FM30-BN-304-34T*	30"	3/4"	BN	304
FM10-304-34	10" (9-3/4" rigid)	3/4"	304	304
FM20-304-34	20"	3/4"	304	304
FM10-316-34-222	10" with 222	3/4"	316	316
FM20-316-1-222	20" with 222	1"	316	316

\*T-handle cap nut included for sump removal.



Flow-Max Jumbo Cartridge filters



Compression cap



Jumbo cartridges

## Jumbo Cartridge Filter Housings

The ideal filter housings for convenience and savings, in all stainless steel. Single cartridge is easy to install, easy to remove and they are washable and reusable, five micron and up! Housings come with band clamp lid closure, mounting legs, pressure gauges installed on inlet and outlet fittings and compression cap for superior sealing. Housings are rated for pressures to 150 psi. Standard cartridges are rated for temperatures to 140° F.

Model	Max. Flow	Cartridge	Pipe Size
FMJCH40	50 GPM	1 "40"	2" NPT
FMJCH90	100 GPM	1 "90"	2" NPT
FMJCH170	150 GPM	1 "170"	2" NPT
FMJCH3X170	450 GPM	3 "170"	4" flange
FMJCH5X170	750 GPM	5 "170"	6" flange
FMJCH8X170	1200 GPM	8 "170"	8" flange

**Warranty:** Flow-Max housings come with a limited warranty for one year from date of installation. Optional electro-polishing available for aggressive and high TDS water.

**Note:** Seven (7) round premium series housings accept DOE and 222 cartridges without the need for special adapters.

# Flow-Max® stainless steel filters for standard and “jumbo” cartridges.



**Flow-Max pleated cartridges**

We offer a wide range of filter housings, which accept standard 2-3/4” OD cartridges, or one single “jumbo” cartridge to provide optimum convenience.

Either way, both cartridge types are pleated for more surface area, greater through-put and reduced filtration costs.

Flow-Max pleated cartridges cost less to use, regardless what they cost to buy!



**Flow-Max jumbo cartridge**



**Mounting tabs**

For 4 & 5 round models if floor mounting is required.



**Flange fittings with legs**

Standard on 12 and 22 round models.



**Cartridges adapters**

Available by special order for 222 and 226 cartridges.



**Electro-polishing**

For high purity water and increased resistance to corrosion.

## Spare parts and options for multi-cartridge filters

Description	Part Number	Description	Part Number
Gasket, Buna-N, 4 & 5	FM8017-B	Hold down plate, 4 round	FM8110-4
Gasket, Buna-N, 12	FM12021-B	Hold down plate, 5 round	FM8110-5
Gasket, Buna-N, 22	FM16021-B	Hold down plate, 12 round	FM12008
Gasket, Viton, 4 & 5	FM8017-V	Hold down plate, 22 round	FM16008
Gasket, Viton, 12	FM12021-V	Center post, one high	FM3014-12
Gasket, Viton, 22	FM16021-V	Center post, two high	FM3014-22
V-post, one high	FM8050-S	Center post, three high	FM3014-32
V-post, two high	FM8051-S	Center post, four high	FM3014-42
V-post, three high	FM8052-S	Vent plug, 1/4”	FM2013
V-post, four high	FM8053-S	Drain plug, 1/2”	FM8011
Knob, 4 round	FM8019	Drain plug, 3/4”	FMDP34
Knob, 5, 12, 22	FM8020	Electro-polishing, 4 & 5	FMEP-4/5
T-bolt, 4 & 5 round	FM8006	Electro-polishing, 12	FMEP-12
T-handle, 4 & 5 round	FM8007	Electro-polishing, 22	FMEP-22
Cover clamp, 12 round v-band	FM12011	Flange fittings, 1-1/2”	FMFF-1.5
Cover clamp, 22 round v-band	FM16011	Flange fittings, 2”	FMFF-2
Mounting tabs (4 & 5 round)	FMTABS	222 adapters (one / column)	FMA-222
FMA-222-316 Spring assembly	FMSA	226 adapters (one / column)	FMA-226

## Spare parts and options for jumbo cartridge filters

Description	Part Numbers	Description	Part Number
Gasket, Buna-N, single cartridge	FM10017-B	Drain plug, 1/2”	FM8011
Gasket, Viton, single cartridge	FM10017-V	Vent plug, 1/4”	FM2013
Cover clamp, single cartridge	FM10008	Head cover	FM10001
Compression cap	FMCC	Center post, 40	FMCP40
Knob for compression cap, 1/2”	FM8020	Center post, 90	FMCP90
Pressure gauges	PGO15L25	Center post, 170	FMCP170

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