

Multi-Cartridge Filter Housings 12 and 21 Round Series



Commercial/Industrial Filtration Applications



- Holds 30" or 40" lengths for optimal choice of flow rates
- Heavy-duty 304L or 316L stainless steel construction for maximum durability and corrosion resistance
- V-band clamp or swing bolt closures for quick and easy cartridge change-outs and secure sealing
- Top spring seals allow for variable length cartridges
- Universal seal cups and compression plates accept DOE and 222/FLAT or FIN cartridges – standard on all filter housings
- 1/4" gauge port on body

PRODUCT SPECIFICATIONS



Max Operating Pressure

150 psig (10.3 bar)*
@ 300°F (149°C)*



Materials of Construction

Head/Shell/Connections: 304L or 316L Stainless Steel
Closure: Clamp – 304L Stainless Steel
Swing Bolts: Zinc Plated Steel
Vent & Drain Plugs: 304L or 316L Stainless Steel
Gaskets: Standard - Buna N (FDA grade)
Optional - EPR, silicone, Teflon encapsulated silicone, Viton
Finish: Glass bead on exterior, exterior surfaces



Connections

Inlet/Outlet: 3" (12 round) & 4" (21 round) RF Flanges
Optional: RF flanges, sanitary ferrules, MNPT, FNPT, BSP or grooved fittings
Drain Ports: 1/2" FNPT
Vent Ports: 1/4" FNPT (12 round), 1/2" FNPT (21 round)

*Temperature ratings vary and depend on pressure and time under load

Cartridge Type

DOE style cartridges (maximum 2-3/4" diameter for 12 round and 2-5/8" diameter for 21 round series).
OR 222/FLAT or FIN cartridges – standard on all filter housings 21 round series holds 21 cartridges, order as 21 round housing.

Custom Options

Available in ASME "U" Code specifications, or built to ASME code with no stamp, for commercial and industrial filtration.

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APPLICATIONS

- Chemicals
- Cooling Tower Filtration
- Desalination Prefiltration
- Electronics
- Food and Beverage
- Oil/Gas
- Paints/Inks/Coatings
- Paper and Pulp
- Power
- Water

Multi-Cartridge Filter Housings

12 and 21 Round Series



PRODUCT

Model	CARTRIDGE LENGTH +	FLOW RATE CAPACITY*	INLET/OUTLET (PIPE SIZE)	MAX DIAMETER CARTRIDGE
BCM12X2/SBM12X2	12 (20")	168 gpm (636 lpm)	3"	2-3/4"
BCM12X3/SBM12X3	12 (30")	252 gpm (954 lpm)	3"	2-3/4"
BCM12X4/SBM12X4	12 (40")	330 gpm (1272 lpm)	3"	2-3/4"
BCM21X3/SBM21X3**	21 (30")	462 gpm (1749 lpm)	4"	2-5/8" **
BCM21X4/SBM21X4**	21 (40")	616 gpm (2332 lpm)	4"	2-5/8" **

+ Housings will accept cartridge lengths: 10" = (9-3/4" or 10"), 20" = (19-1/2" or 20"), 30" = (29-1/4" or 30") and 40" = (39" or 40")
 * Based upon 7 gpm per 10" length with a 25 micron wound cartridge at 2 PSID clean and viscosity of 1 cps. Flow rates are for guidelines only. Actual flow rates are based on fluid, viscosity, cartridge type, micron ratings and other factors.

ORDERING GUIDE (Example: BCM12X3-316L-226-2FC-PG-E)

BCM12X 3 - 316L - 226 - 2 FC - PG - E

MODEL	CARTRIDGE LENGTH	MATERIAL /FINISH	CARTRIDGE CONFIGURATION	INLET/ OUTLET	CONNECTION TYPE	OPTIONS	GASKET
BCM12X 12 cartridges	1= 10" 9-7/8" 9-3/4"	Blank 304L(Standard)	Blank DOE(Standard)	3 3" (Standard)	FL Flange (Standard)	Blank Mounting Legs, Gauge Ports (Standard)	Blank Buna N (Standard)
BCM21X 21 cartridges (V-Band Clamp Closure)	2= 20" 19-1/2"	316L 316L	226 226 Fin/Flat	4 4"	MT MNPT Male Thread	PG Pressure Gauges (2)	E EPR
SBM12X 12 cartridges	3= 30" 20-1/4"	304LC 304L Coated		6 6"	FT FNPT	P Passivate	S Silicone
SBM21X 21 cartridges (Swing Bolt Closure)	4= 40"	316LC 316L Coated		8 8"	TC Ferrules	U ASME Code "U" Stamp	V Viton
		304LEP 304L Electropolished			GF Grooved Fittings	NS Built to ASME Code/no Stamp	T Teflon Encapsulated Silicone
		316LEP 316L Electropolished				HP High Pressure (up to 250psi)	
		304LGB 304L Glass Bead					

QUESTIONS?

Ask our Service Representatives at:
 888.859.1188 Mon. - Fri. 8a - 8p, Sat 8:30a - 4:30p EST.

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