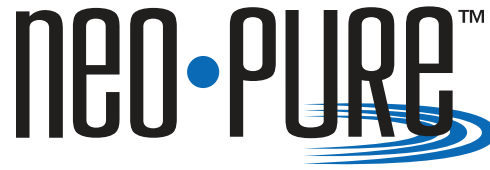


# Multi-Cartridge Filter Housings 12 and 22 Round Series



## Applications

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



## Commercial/Industrial Filtration Applications

### Standard Features

- Manufactured in the USA
- 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 – standard on all filter housings

### Product Specifications

#### Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

#### Connections

Inlet/Outlet: 3" (12 round) and 4" (22 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 (22 round)

#### Materials of Construction

Head/Shell/Connections: 304L or 316L stainless steel

Closure: Clamp – 304L stainless steel

Swing bolts – zinc plated steel

Vent and Drain Plugs: 304L or 316L stainless steel

Mounting Legs: 304L stainless steel

#### Gaskets

Standard: Buna N (FDA grade)

Optional: EPR, silicone, Teflon encapsulated silicone, Viton

#### Finish

Poly-coat on exterior surfaces

Optional: 3M™ coating, electropolish, glass bead or passivate

#### Cartridge Type

DOE style cartridges (maximum 2-3/4" diameter for 12 round and 2-5/8" diameter for 22 round series) OR

222/FLAT or FIN cartridges – standard on all filter housings

22 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

MODEL	QUANTITY (LENGTH) OF CARTRIDGES +	RATED FLOW CAPACITY* GPM (LPM)	INLET/OUTLET (PIPE SIZE)	MAXIMUM DIAMETER CARTRIDGE	CLAMP STYLE	SWING BOLT STYLE				
					A	A	B	C	D	E
BCM12X2/SBM12X2	12 (20")	168 (636)	3"	2-3/4"	39-1/2" (100.3 cm)	40-1/2" (102.9 cm)	15-3/8" (39.1 cm)	10" (25.4 cm)	16-11/16" (42.5 cm)	8" (20.3 cm)
BCM12X3/SBM12X3	12 (30")	252 (954)	3"	2-3/4"	49-1/2" (125.7 cm)	50-1/2" (128.3 cm)	15-3/8" (39.1 cm)	10" (25.4 cm)	16-11/16" (42.5 cm)	8" (20.3 cm)
BCM12X4/SBM12X4	12 (40")	330 (1272)	3"	2-3/4"	59-1/2" (151.1 cm)	60-1/2" (153.7 cm)	15-3/8" (39.1 cm)	10" (25.4 cm)	16-11/16" (42.5 cm)	8" (20.3 cm)
BCM22X3/SBM22X3**	22 (30")	462 (1749)	4"	2-5/8"	50-3/16" (127.5 cm)	50-3/16" (127.5 cm)	15-1/4" (38.7 cm)	9-1/2" (24.1 cm)	21" (53.3 cm)	12" (25.4 cm)
BCM22X4/SBM22X4**	22 (40")	616 (2332)	4"	2-5/8"	60-3/16" (152.9 cm)	50-3/16" (127.5 cm)	15-1/4" (38.7 cm)	9-1/2" (24.1 cm)	21" (53.3 cm)	12" (25.4 cm)

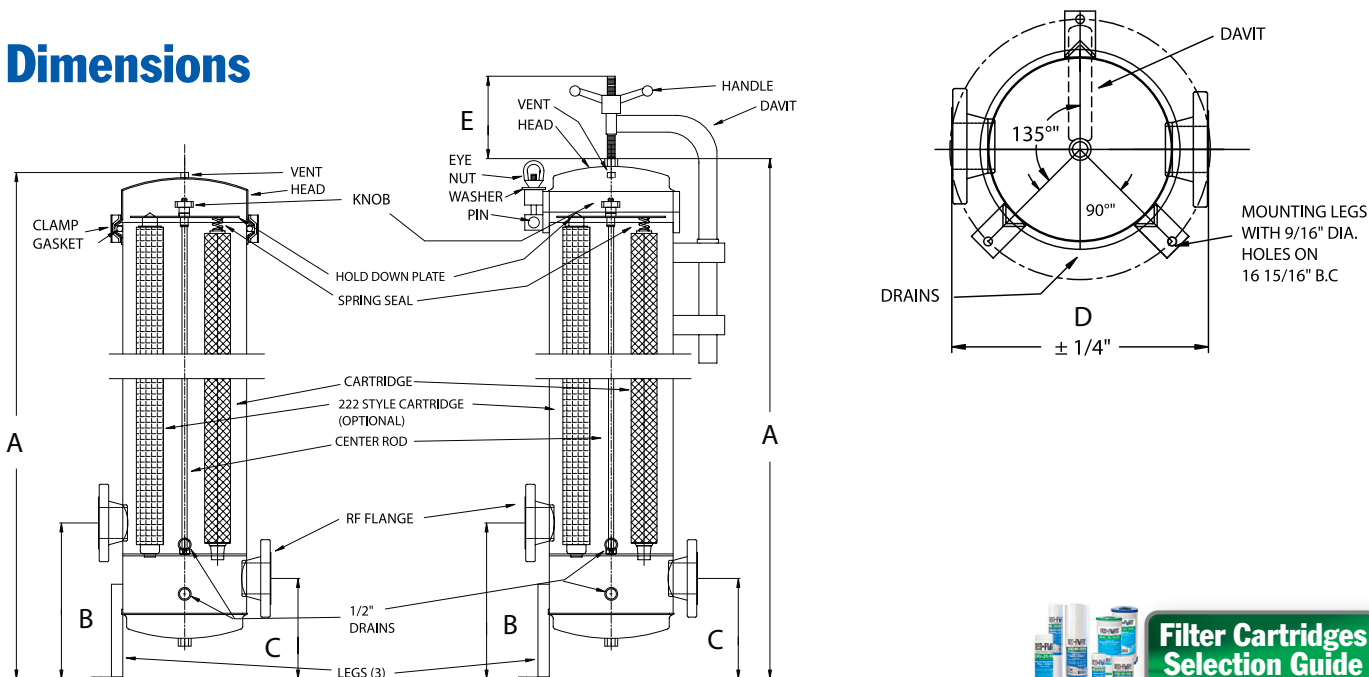
+ Housings will accept cartridge lengths: 10" = (9-3/4" or 10"), 20" = (19-1/2" or 20"), 30" = (29-1/4" or 30") and 40" = (39" or 40")

\* 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.

\*\* When using 222 or 226 connectors, you must change to a 21FOS housing (21 round) for 2-3/4" OD cartridges.

## Dimensions



**Filter Cartridges Selection Guide**  
CLICK HERE

## Ordering Guide (Example: BCM12X3-316L-226-2FC-PG-E)

MODEL	CARTRIDGE LENGTH	MATERIAL /FINISH	CARTRIDGE CONFIGURATION	INLET/OUTLET	CONNECTION TYPE	OPTIONS	GASKET
BCM12X = 12 cartridges BCM22X = 22 cartridges (V-Band Clamp Closure)	1 = 10", 9-7/8", 9-3/4"	Blank = 304L (Standard) 316L = 316L 304LC = 304L Coated 316LC = 316L Coated 304LEP = 304L Electropolished	Blank = DOE (Standard) 226 = 226 Fin/Flat	3 = 3" (Standard) 4 = 4" 6 = 6" 8 = 8"	FL = Flange (Standard) MT = MNPT Male Thread FT = FNPT TC = Ferrules GF = Grooved Fittings	Blank = Mounting Legs, Gauge Ports (Standard) PG = Pressure Gauges (2) P = Passivate U = ASME Code "U" Stamp NS = Built to ASME Code/no Stamp HP = High Pressure (up to 250psi)	Blank = Buna N (Standard) E = EPR S = Silicone V = Viton T = Teflon Encapsulated Silicone
SBM12X = 12 cartridges SBM22X = 22 cartridges (Swing Bolt Closure)	2 = 20", 19-1/2" 3 = 30", 20-1/4" 4 = 40"	316LEP = 316L Electropolished 304LGB = 304L Glass Bead					



9450 SW Gemini Dr, ECM #83358, Beaverton, OR 97008  
Tel 855.896.3525 · Fax 866.409.9622  
www.neologicsolutions.com · info@neologicsolutions.com  
STUART, FL · BEAVERTON, OR · GREENVILLE, SC · SAN DIEGO, CA

### QUESTIONS?

Ask one of our Service Representatives:  
Mon-Fri 8a-8p, Sat 8:30a-4:30p EST

We ship six days a week!

