

# Multi-Cartridge Filter Housings

## 7 Round Series



## Applications

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



*Residential/Commercial/Industrial  
Filtration Applications*

## Standard Features

- Manufactured in the USA
- Holds seven cartridges from 10" to 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
- Adjustable top plate accepts variable length cartridges
- Universal seal cups and compression plates accept DOE & 222/FLAT or FIN cartridges – standard on all filter housings
- 1/4" gauge port on body – standard on all filter housings
- FNPT inlet and outlet connections – standard on 4, 5 and 7 round

## Product Specifications

### Maximum Operating Pressure

150 psig (10.3 bar) @ 300° F (149° C) - Standard  
250 psig (17.2 bar) @ 300° F (149° C) - Optional

### Connections

Inlet/Outlet: Standard – 2" FNPT

Optional: MNPT or BSP fittings; RF flanges,  
Sanitary ferrules or grooved fittings

Drain Ports: 1/2" FNPT

Vent Ports: 1/4" FNPT

### 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

### 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 or 222 style cartridges (maximum 2-3/4" OD) OR

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

### Custom Options

See ordering guide for complete selection of options

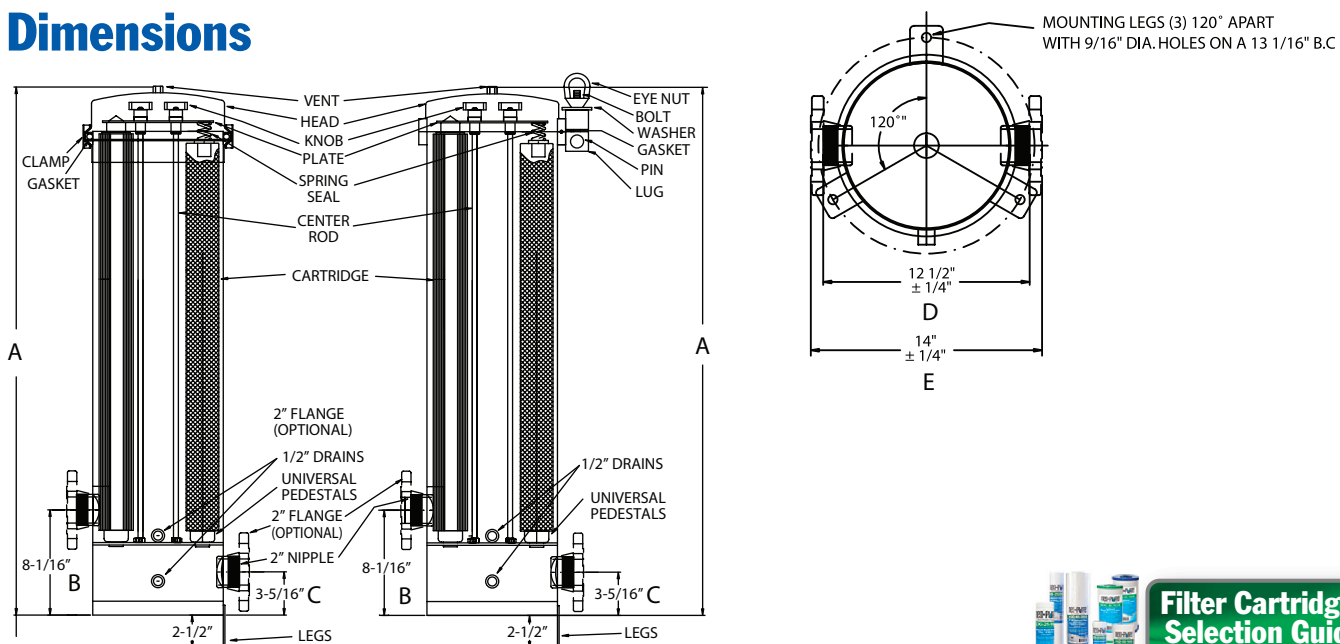
| MODEL         | QUANTITY (LENGTH) OF CARTRIDGES + | RATED FLOW CAPACITY* GPM(LPM) | INLET/OUTLET (PIPE SIZE) | MAXIMUM DIAMETER CARTRIDGE | CLAMP STYLE        | SWING BOLT STYLE   |                    |                   |                    |                |
|---------------|-----------------------------------|-------------------------------|--------------------------|----------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|----------------|
|               |                                   |                               |                          |                            | A                  | A                  | B                  | C                 | D                  | E              |
| BCM7X1/SBM7X1 | 7 (10")                           | 49 (185.5)                    | 2"                       | 2-3/4"                     | 20-1/2" (52.1 cm)  | 21" (53.3 cm)      | 8-1/16" (20.48 cm) | 3-5/16" (8.41 cm) | 12-1/2" (31.75 cm) | 14" (35.56 cm) |
| BCM7X2/SBM7X2 | 7 (20")                           | 98 (371.10)                   | 2"                       | 2-3/4"                     | 30-7/8" (78.4 cm)  | 40-1/2" (102.9 cm) | 8-1/16" (20.48 cm) | 3-5/16" (8.41 cm) | 12-1/2" (31.75 cm) | 14" (35.56 cm) |
| BCM7X3/SBM7X3 | 7 (30")                           | 157 (594.3)                   | 2"                       | 2-3/4"                     | 40-7/8" (103.8 cm) | 50-1/2" (115.4 cm) | 8-1/16" (20.48 cm) | 3-5/16" (8.41 cm) | 12-1/2" (31.75 cm) | 14" (35.56 cm) |
| BCM7X4/SBM7X4 | 7 (40")                           | 196 (741.9)                   | 2"                       | 2-3/4"                     | 50-7/8" (129.2 cm) | 60-1/2" (153.7 cm) | 8-1/16" (20.48 cm) | 3-5/16" (8.41 cm) | 12-1/2" (31.75 cm) | 14" (35.56 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.

## Dimensions



**Filter Cartridges Selection Guide**  
CLICK HERE

## Ordering Guide (Example: BCM7X3-316L-226-2FC-PG-E)

| BCM7X                                       | 3                       | - | 316L                          | - | 226                     | - | 2                               | FC                    | - | PG  | - | E                         |
|---|-------------------------|---|-------------------------------|---|-------------------------|---|---------------------------------|-----------------------|---|---|---|---------------------------|
| MODEL                                       | CARTRIDGE LENGTH        |   | MATERIAL /FINISH              |   | CARTRIDGE CONFIGURATION |   | INLET/OUTLET                    | CONNECTION TYPE       |   | OPTIONS                                       |   | GASKET                    |
| BCM7X = 7 cartridges (V-Band Clamp Closure) | 1 = 10", 9-7/8", 9-3/4" |   | Blank = 304L (Standard)       |   | Blank = DOE (Standard)  |   | 2 = 2" (Standard up to 7 round) | FT = FNPT (Standard)  |   | Blank = Mounting Legs, Gauge Ports (Standard) |   | Blank = Buna N (Standard) |
|   | 2 = 20", 19-1/2"        |   | 316L = 316L                   |   | 226 = 226 Fin/Flat      |   | 3 = 3"                          | MT = Male Thread      |   | PG = Pressure Gauges (2)                      |   | E = EPR                   |
|   |                         |   | 304LC = 304L Coated           |   |                         |   | 4 = 4"                          | FC = Female Couplings |   | P = Passivate                                 |   | S = Silicone              |
|   |                         |   | 316LC = 316L Coated           |   |                         |   | 6 = 6"                          | BT = BSP Tapered      |   | HP = High Pressure (up to 250psi)             |   | V = Viton                 |
|   |                         |   | 304LEP = 304L Electropolished |   |                         |   | 8 = 8"                          | BP = BSP Parallel     |   | U = ASME Code "U" Stamp                       |   | T = Teflon                |
| SBM7X = 7 cartridges (Swing Bolt Closure)   | 3 = 30", 20-1/4"        |   | 304LEP = 304L Electropolished |   |                         |   |                                 | FL = Flange           |   | NS = Built to ASME Code/no Stamp              |   | Encapsulated Silicone     |
|   | 4 = 40"                 |   | 316LEP = 316L Electropolished |   |                         |   |                                 | TC = Ferrules         |   |   |   |                           |
|   |                         |   | 304LGB = 304L Glass Bead      |   |                         |   |                                 | GF = Grooved Fittings |   |   |   |                           |



Get a quote on NeoLogic Filter Housings today:

**Commercial Industrial Supply**

1444 E. Main St., Rock Hill, SC 29730 USA

Tel: (866) 777-8001 Email: [info@emailcis.com](mailto:info@emailcis.com)

### QUESTIONS?

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

We ship six days a week!

