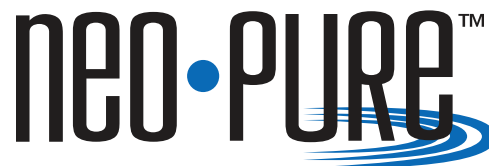


Multi-Cartridge Filter Housings

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

- 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

Glass bead on exterior, exterior surfaces

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 |
|---------------|-----------------------------------|-------------------------------|---------------------------|----------------------------|
| BCM7X1/SBM7X1 | 7 (10") | 49 (185.5) | 2" | 2-3/4" |
| BCM7X2/SBM7X2 | 7 (20") | 98 (371.10) | 2" | 2-3/4" |
| BCM7X3/SBM7X3 | 7 (30") | 157 (594.3) | 2" | 2-3/4" |
| BCM7X4/SBM7X4 | 7 (40") | 196 (741.9) | 2" | 2-3/4" |

+ 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: 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" | | 304LC = 304L Coated | | 226 = 226 Fin/ Flat | | | MT = Male Thread | | PG = Pressure | | E = EPR |
| | | | 316LC = 316L Coated | | | | 3 = 3" | FC = Female Couplings | | | | S = Silicone |
| | | | 304LEP = 304L Electropolished | | | | 4 = 4" | BT = BSP Tapered | | P = Passivate | | V = Viton |
| SBM7X = 7 cartridges (Swing Bolt Closure) | 3 = 30", 20-1/4" | | 316LEP = 316L Electropolished | | | | 6 = 6" | BP = BSP Parallel | | HP = High Pressure (up to 250psi) | | T = Teflon Encapsulated |
| | 4 = 40" | | 304LGB = 304L Glass Bead | | | | 8 = 8" | FL = Flange | | U = ASME Code "U" Stamp | | Silicone |
| | | | | | | | | TC = Ferrules | | NS = Built to ASME Code/no Stamp | | |
| | | | | | | | | GF = Grooved Fittings | | High Pressure (up to 250psi) | | |



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