

# J Series

## Jumbo Filter Housings



*Residential / Commercial / Industrial  
Filtration Applications*

### Standard Features

- Accepts single jumbo cartridge for easy installation and replacement
- 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
- Available in three sizes to support flow rates up to 150 GPM
- Extensive choice of cartridge micron ratings – 0.35, 1, 5, 10, 20, 50 and 100



### Applications

- Potable Drinking Water
- Industrial Waste Water Treatment
- Process Water
- Reverse Osmosis Prefiltration
- Cooling Tower Filtration
- Desalination Prefiltration
- Food and Beverage
- Oil / Gas
- Paints / Inks / Coatings
- Paper and Pulp

### Specifications, Operating Parameters and Options

#### Maximum Operating Pressure

150 psig (10.3 bar) @ 300°F (149°C)

#### Connections

Inlet/Outlet: Standard – 2" FNPT

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

Drain Ports: 1/2" NPT

Vent Ports: 1/4" NPT

#### 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

MODEL	MAXIMUM FLOW GPM (LPM)	MAXIMUM DIAMETER CARTRIDGE
BCJ40 / SBJ40*	50 (185.5)	7-3/4"
BCJ90 / SBJ90	100 (371.10)	7-3/4"
BCJ170/SBJ170	150 (594.3)	7-3/4"

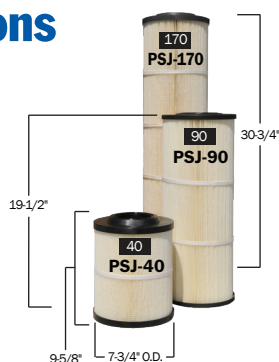
\* BCJ = V Band Clamp Housing SBJ = Swing Bolt Housing

## Ordering Guide (Example: BCJ170-316L-2MT-HD-E)

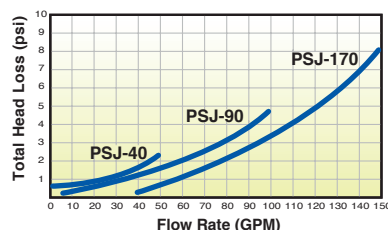
BCJ		170 – 316L – 2		MT – HD – E		
MODEL	CARTRIDGE SERIES	MATERIAL	CONNECTION SIZE	CONNECTION TYPE	OPTIONS	GASKET
BCJ = V-Band Clamp SBJ = Swing Bolt	40 = 40 Series 70 = 70 Series 170 = 170 Series	304L (standard) 316L 304LC 316LC 304LEP 316LEP	2" (standard) 1" 1.5"	FT = FNPT (standard)* BP = BSP FL = Flange GF = Grooved MT = MNPT TC = Ferrules	Blank = Legs, Gauge Ports (standard) HD = Heavy Duty Legs GPA = Gauge Ports with Gauges P = Passivate	Blank = Buna N (standard) E = EPR S = Silicone V = Viton TS = Teflon

\* MNPT fittings are available in 1.5 and 2 inches.

## Cartridge Options



## Pressure Drop



Above: Pressure drop is for filter housing and 20 micron filter cartridge in clean water.



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