

MicroSentry™ SCB Series

Carbon Block Filter Cartridges



- Extruded activated carbon block filter
- High adsorptive capacity – effectively reduces chlorine and organic chemicals that contribute to undesirable tastes and odors
- 5 micron filtration - high retention efficiency
- Minimal release of carbon fines
- No channeling, no fluidizing or bypass
- Competitively priced versus Granular Activated Carbon cartridges (GAC)
- Performance tested and verified by independent laboratory
- Available in standard 2 3/4" and 4 1/4" (BB Style) diameter configurations

Applications

RO Prefilters	Potable Water
Water & Wastewater	Plating Solutions
Food & Beverages	Chemicals
Chlorine Removal	Color Removal

Specifications & Operating Parameters

Pore Sizes

5 micron

Nominal Lengths

2.7" diameter - 9 3/4", 20", 30", 40"

4.25" diameter - 9 3/4", 20"

Materials of Construction

Filter Media: Powdered Activated Carbon

Outer Wrap: Melt Blown Polypropylene

End Cap/Netting: Polypropylene

End Cap Adhesive: Low Density Polyethylene

Gaskets

Santoprene (Polyethylene direct bond gaskets)

Maximum Temperature

125°F (52°C)

Recommended Flush Procedure

Filters should be flushed for 5 minutes prior to use

Maximum Operating Pressure

250 psi (17.2 bar)

Maximum Differential Pressure

100 psid (6.9 bar)

Recommended Change-out Differential Pressure

20 psid (1.4 bar)

FDA Compliance

Manufactured of FDA compliant materials with no additives or other manufacturing agents.

MODEL	O.D x LENGTH	FILTER WEIGHT	CHLORINE CAPACITY @ FLOW	µm RATING	INITIAL ΔP @ FLOW
SCB-975	2.70" X 9.75"	0.75 lb	>6,000 gal @ 1.0 GPM	5 µm	2.0 psid @ 1.0 GPM
SCB-20	2.70" x 20"	1.75 lb	>12,000 gal @ 2.0 GPM	5 µm	2.0 psid @ 2.0 GPM
SCB-975-BB	4.25" x 9.75"	2.60 lb	>12,000 gal @ 3.0 GPM	5 µm	4.0 psid @ 3.5 GPM
SCB-20-BB	4.25" x 20"	5.60 lb	>26,000 gal @ 7.0 GPM	5 µm	4.5 psid @ 7.0 GPM

Notes:

1. Projected chlorine, taste and odor reduction capacity when tested is accordance with NSF/ANSI standard 40 protocol.
2. Nominal particulate rating (5µm) is for 85% of a given size as determined from single pass particle counting results.
3. Service life of SCB cartridge is greatly extended by use of a prefiltration medium.

Ordering Guide (Example: SCB-20)

SCB	—	20
MODEL	LENGTH	DIAMETER
SCB	5 = 4 7/8" 975 = 9 3/4" 20 = 20" 30 = 30" 40 = 40"	Blank = 2.7" BB = 4.5"

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.