

ROTATING RIGHT

SCB SERIES EXTRUDED ACTIVATED CARBON BLOCK CARTRIDGES



SCB SERIES

Extruded Activated Carbon Block Filter

The Workhorse

- 5 µm Filtration
- High Adsorptive Capacity and Efficiency
- Efficient Sediment Filter
- No Release of Carbon Fines
- Competitively Priced vs. GAC Filters
- Performance Tested and Verified by Independent Laboratory Testing

Features

SCB filters are the most widely used carbon block devices in the world and provide previously unattainable performance at the lowest price point. SCB filters simultaneously remove chlorine taste, odor, and organic chemicals that contribute to taste and odor while providing the particulate filtration and dirt-holding capacity of an efficient 5 µm nominal sediment filter. These filters are optimized for applications where they perform the role of both a sediment and activated carbon filter.

The extrusion process allows the production of a carbon block with more carbon, but a lower pressure drop. This enables SCB filters to deliver extended life while removing sediment, chlorine taste and odor and organic contaminants from water, aqueous solutions or suspensions. The SCB is also widely used in filtering organic solvents. The SCB is ideal for use in residential and commercial water purification systems, food service, pre- and post-RO systems.

The SCB is manufactured from high purity acid-washed activated carbon. It's dirt-holding capacity and absence of carbon fines makes the SCB the filter of choice. A superior carbon block, SCB combines both high performance and integrity with an exceptional cost-to-performance value. As a result, SCB virtually renders GAC filters obsolete by comparison.

Product Specifications

Order Information

Part No.	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

Extruded Carbon = Exceptional Value

SCB filters consist of activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. SCB filters flow in a radial, outside-to-inside direction, increases dirt-holding capacity and low pressure drop. Unlike granular activated carbon (GAC) filters, SCB cartridges will not channel or bypass, due to the extreme uniformity of their extruded activated carbon core. Service life of the SCB filter is greatly extended by a layer of prefiltration medium.

- No Channeling • No Fluidizing • No Bypassing
- Eliminates Release of Carbon Fines
- Lowest extractables, pure materials of construction
- Maximum service life, resistance to fouling
- Manufactured using FDA-approved materials

Warnings

Maximum Operating Temperature:	125°
Maximum Operating Pressure:	250 psig
Maximum Differential Pressure:	100 psid
Collapse Pressure:	200 psid

SCB filters are not to be autoclaved or steam-sterilized.
Use SCB carbon filters only with microbiologically safe water.

ORDERING GUIDE

SCB - 975 - BB		
Product Code	Length	Diameter
SCB	5 = 4 7/8"	Blank = 2.7" O.D.
	975 = 9 3/4"	*BB = 4.25"
	20 = 20"	3 = 2 3/8"
	30 = 30"	4 = 2 3/4"
	40 = 40"	45 = 4 1/2"

*Note: 4.25" OD only available in 9.75" and 20" lengths.

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single element housings to our heavy-duty multi-rounds and bag housings, we have the right filter for your requirement. Shelco is the perfect choice for your problem solutions.



Single Cartridge Housings



Multi Cartridge Housings



High Flow
Multi Cartridge Housings



Bag Filters



Jumbo Cartridge Housings

Notes:

1. Performance of a given SCB extruded carbon filter varies in direct proportion to the total weight of carbon in each filter.
2. Projected chlorine taste and odor reduction capacity when tested in accordance with NSF/ANSI Standard 42 protocol.
3. Nominal particulate rating (5 µm) is for >85% of a given size as determined from single-pass particle counting results.
4. Absolute particulate rating (10 µm) is for >99.9% of particles of a given size as determined from single-pass particle counting results.
5. Actual results obtained will vary with various combinations of organic contaminants, changes in pH or other conditions encountered in actual use.
6. All information presented here is based on data believed to be reliable. It is offered for evaluation and verification, but is not to be considered a warranty of any kind.
7. SCB filters are designed to fit most standard household and commercial or industrial housings.
8. Contact Shelco to check filter housing compatibility.
9. This cartridge must be placed in an appropriate housing and flushed for a minimum of 5 minutes prior to use.



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