

SC™ Single-Cartridge Filter Series



SCR Ring Closure Housing



SCB Bolt Closure Housing

Single Cartridge Filter Housings

The SC Series of single cartridge metal filter housings are available in 304L or 316L stainless steel with either bolt or ring seal closure to service a wide range of general purpose filter applications. The SCR Ring Closure Series provide superior design features to serve higher pressure applications, allow full sump drainage and utilize a wider range of cartridge configurations. The SCB Bolt Closure Series is an economical design for double open ended cartridges.

General Features

- Single shell construction for quick spill-free cartridge replacement
- In-line pipe connections for easy installation in 1/2, 3/4 and 1 inch pipe sizes
- Drains built in
- Rated for flow rates to 7 GPM (26.5 lpm) per 10 inch filter cartridge length
- Mounting brackets are available
- Housing pressure drop is 0.6 psid at 7gpm (.04 bar @ 26.5 lpm)

Housing Types and Features

SCR–Single Cartridge Housing with Ring Seal Closure

- Superior design accommodates most cartridges, higher pressure and complete housing drainage
- High pressure seal design supports pressures to 300 psi (20.7 bar) @ 200°F (93°C)
- Center rod is eliminated to permit the use of double open end or single open end cartridges
- Tapered housing bottom permits complete drainage
- Model available for 222 and 226 O-ring style cartridge in all 316L stainless steel

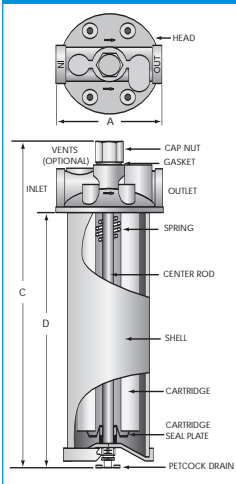
SCB–Single Cartridge Housing with Bolt Closure

- Economical design accommodates DOE cartridges
- Optional T-handle available for sump removal
- Temperature rated to 250°F (121°C) and 250 psi (17.23 bar) maximum pressure

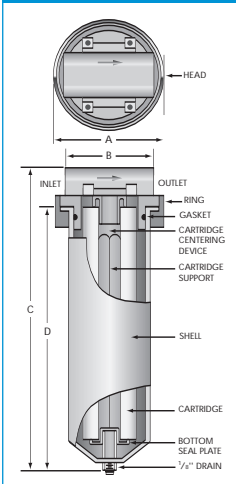
Applications

- Process water
- Potable liquids
- Petro chemicals
- Coolants
- Hydraulic oils
- Solvents

SCB Bolt Closure



SCR Ring Closure



Selection and Ordering Guide for SC Series Housings (Select one from each column)

Model	Cartridge Length	Material of Construction	Inlet/Outlet Size (inches)	Connector	Gasket	Legend
SCB	04 - 4 7/8"	BSS	050 - 0.50"	DOE	B- Buna-N	SCB - Single Cartridge - Bolt Closure
SCR	09 - 9 3/4"	304L*	075 - 0.75"	222**	E- EPR	SCR - Single Cartridge - Ring Closure
	10 - 10"	316L	100 - 1.00"	226**	S- Silicone	304L - 304L Sump, 316L Head
	20 - 20"				T- Teflon	316L - 316L Sump & Head
	30 - 30"				V- Viton	BSS - Brass Head, 304L Sump

Example of a Typical SC Filter Housing Selection

SCR	- 10	- BSS	- 075	- DOE	- E	
-----	------	-------	-------	-------	-----	--

* Not available in SCR
** Available as 316L only

SC Series Housing Dimensions Inches (cm)

Model	A	B	C	D
SCB-04	4 (10.2)	-	8 7/8 (22.6)	6 (15.2)
SCB-09	4 (10.2)	-	13 3/4 (34.9)	11 (27.9)
SCB-10	4 (10.2)	-	13 3/4 (34.9)	11 (27.9)
SCB-20	4 (10.2)	-	23 7/8 (60.6)	21 (53.3)
SCB-30	4 (10.2)	-	33 7/8 (86.0)	31 (78.7)
SCR-09	4 1/2 (11.4)	3 5/16 (8.4)	13 1/8 (33.3)	11 3/8 (28.9)
SCR-10	4 1/2 (11.4)	3 7/16 (8.7)	13 1/4 (33.7)	11 1/2 (29.2)
SCR-20	4 1/2 (11.4)	3 7/16 (8.7)	23 1/4 (59.1)	21 1/2 (54.6)
SCR-30	4 1/2 (11.4)	3 7/16 (8.7)	33 1/4 (84.5)	31 1/2 (80.0)
SCR-10-222/226	4 1/2 (11.4)	3 7/16 (8.7)	18 (45.7)	16 1/4 (41.8)
SCR-20-222/226	4 1/2 (11.4)	3 7/16 (8.7)	28 (71.1)	26 1/4 (66.7)
SCR-30-222/226	4 1/2 (11.4)	3 7/16 (8.7)	38 (96.5)	36 1/4 (92.1)

SC Series Housing Specifications

Model	Cartridge Length Inches (cm)	Rated Capacity GPM (LPM)	Shipping Weight lbs (kg)	Cartridge End cap type	Maximum* Pressure PSIG (bar)	Maximum Temp., °F (°C)
SCB-04	4 7/8 (12.4)	3.5 (13.3)	4 (1.8)	DOE	250 (17.2)	250 (121.1)
SCB-09	9 3/4 (24.8)	7 (26.5)	7 (3.2)	DOE	250 (17.2)	250 (121.1)
SCB-10	10 (25.4)	7 (26.5)	7 (3.2)	DOE	250 (17.2)	250 (121.1)
SCB-20	20 (50.8)	14 (53.0)	10 (4.5)	DOE	250 (17.2)	250 (121.1)
SCB-30	30 (76.2)	21 (79.5)	12 (5.4)	DOE	250 (17.2)	250 (121.1)
SCR-09	9 3/4 (24.8)	7 (26.5)	7 (3.2)	DOE	300 (20.7)	200 (93.3)
SCR-10	10 (25.4)	7 (26.5)	7 (3.2)	DOE	300 (20.7)	200 (93.3)
SCR-20	20 (50.8)	14 (53.0)	10 (4.5)	DOE	300 (20.7)	200 (93.3)
SCR-30	30 (76.2)	21 (79.5)	12 (5.4)	DOE	300 (20.7)	200 (93.3)



(Toll Free) **877.375.1290**

7601 Stadium Drive Kalamazoo, MI 49009

www.flowtechfilters.com

DISTRIBUTED BY:

All information and recommendations appearing in this bulletin concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Graver Technologies as to the effects of such use or the results to be obtained. Graver Technologies assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. SC is a trademark of Graver Technologies, LLC.

