

SBV Series

Swingbolt Liquid Cartridge Filter Vessels

The SBV Series multi-round swingbolt vessels are economical solutions for industrial liquid filtration applications. All vessels come with welded support/mounting legs. Heavy duty self-centering swingbolts with single O-Ring seal provides secure cartridge access. Sizes are available that hold from 4 to 102 cartridges in standard 10, 20, 30 and 40 inch lengths. Flow capacities are determined by type of cartridge utilized and process conditions. Vessels are designed and fabricated in accordance with ASME vessel code (U or UM Stamp)



With all 304 or 316 stainless steel construction and various O-ring materials available, the SBV Series vessels are compatible with a wide range of fluids. The type of cartridges that can be used include: Wound, Melt Blown, Pleated, Carbon, Resin Bonded, Stainless Steel and others. In addition, universal mounting allows for installation of DOE, 222/Fin and 222/Cap cartridge configurations. Pressure Gauges and Transmitters are available with other accessories. Duplex and packaged systems are also available.

Benefits

- Fast and Easy Cartridge Change-Outs**
- Wide Fluid Compatibility**
- Withstands Harsh Environments**
- Compatible With Various Types Of Cartridges**
- Skid/Packaged Systems Available**

Applications

- Food & Beverage**
- Potable and Process Water**
- Chemical Processing**
- Energy and Power Industries**
- Various Process Manufacturing**

SBV Series

Swingbolt Liquid Cartridge Filter Vessels

Specifications

Construction Materials

Vessel Carbon Steel, 304 or 316 Stainless Steel
 Internal 316 SST Cups, Springs, Compression Plates and V-Posts
 O-Ring Buna, Silicone, or Viton
 ASME Vessel Code (U or UM Stamp)

Pressure/Temperature Rating 150 psi (10 bar) or 300 psi (20 bar) @ 300F (149C) Max

Process Connections

Side Inlet/Outlet, standard

2" Male National Pipe Thread (MNPT),
 standard on 4, 5, and 7 cartridge vessels

2" to 8" Raised Face (RF) Flange
 Tri-Clamp (T) Sanitary

Two (2) Gauge Ports: ½" fnpt

Drain Port: ½" fnpt

Vent Port: ½" fnpt

Finishing:

Polished or sand blast surface (external)
 Polished (internal)

Note: Delta Pure offers a wide range of filter cartridges for the SBV vessels. Consult factory for application assistance and cartridge selection.

Model Code/Ordering Information

VESSEL TYPE	# of Cartridges	LENGTH	INLET/OUTLET SIZE	INLET/OUTLET TYPE	MATERIAL	Pressure Rating	O-RING
SBV - Delta Pure Swingbolt Vessel	3	10 - 10"	2 = 2"	N - FNPT	3 - Carbon Steel	15 = 150	B - Buna
	6	20 - 20"	3 = 3"	T - Tri-Clamp	4 - 304 Stainless	30 = 300	V - Viton
	12*	30 - 30"	4 = 4"	F - ANSI RF Flange	6 - 316 Stainless		S - Silicone
	19*	40 - 40"	6 = 6"				
	25*		8 = 8"				
	35*						
	52*						
	85*						
102*							

EXAMPLE: P/N: SBV-12-30-2-F-4-15-V, 12 cartridge x 30", 2" 150lb ANSI Flanges, 304 SST, 150 PSI, Viton O-Rings

*Note: Only available with 30" and 40" length cartridges