

# SRA Series

## Sanitary Filter Housings



## Applications

- Vent
- Electronics
- Fine Chemicals
- Ultrapure Water
- DI Water
- Pharmaceuticals
- Food and Beverage
- Beer and Wine

## Commercial / Industrial Filtration Applications

### Standard Features

- Manufactured in China
- Available with 222 or 226-style cartridge connectors
- Wetted parts are 316L stainless steel electropolished with standard 25A internal finish and 32RA external finish
- Designed for critical applications that require durability and high purity
- Inline single cartridge OR T-style housing design
  - Inline design features tri-clamp closure for easy cartridge change-outs
  - T-style housing design features tri-clamp closure for single cartridge housing. Multi-cartridge: 1 to 21 cartridges; swing bolt closures for secure sealing
- Optional sanitary twist valve for easy sampling of process fluid

### Specifications, Operating Parameters and Options

#### Maximum Operating Pressure

150 psig (10.3 bar) @ 225°F (107°C)

#### Connections

Inlet/Outlet: Tri-clamp

Drain Ports: 1/2" tri-clamp

Gauge Port with Vent: 1-1/2" tri-clamp with 1/2" tri-clamp

#### Materials of Construction

Head/Shell/Connections: 316L stainless steel

Closure: Swing bolts – 316L stainless steel

Mounting Legs: 316L stainless steel

#### Gaskets

Standard: Silicone (standard)

Optional: EPR, Teflon, Teflon encapsulated silicone, Viton, and Teflon Encapsulated Viton

#### Finish

Internal surfaces: 25RA electropolished

External surfaces: 32RA electropolished

#### Cartridge Type

222 or 226 cartridges (maximum 2-3/4" OD)

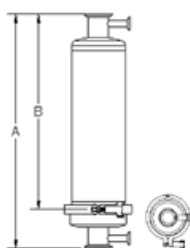
#### Custom Options

Sanitary twist valve for vent and drains

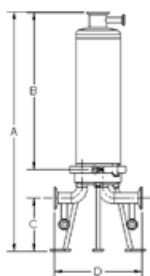
See Ordering Guide for complete listing

MODEL	QUANTITY (LENGTH) OF CARTRIDGES	INLET/ OUTLET	DRAINS	GAUGE PORTS/ VENT	MAXIMUM DIAMETER CARTRIDGE	DIMENSIONS				
						A	B	C	D	E
1SRAI5	1 (5")	1.5" TC	1/2" TC	-	2-3/4"	17-7/16" (44.3 cm)	7" (17.8 cm)	-	-	-
1SRAI1	1 (10")	1.5" TC	1/2" TC	-	2-3/4"	21-7/16" (54.5 cm)	11" (27.9 cm)	-	-	-
1SRAI2	1 (20")	1.5" TC	1/2" TC	-	2-3/4"	31-1/4" (79.4 cm)	20-7/8" (53.0 cm)	-	-	-
1SRAI3	1 (30")	1.5" TC	1/2" TC	-	2-3/4"	41-1/8" (104.5 cm)	30-3/4" (78.1 cm)	-	-	-
1SRAI4	1 (40")	1.5" TC	1/2" TC	-	2-3/4"	50-15/16" (129.4 cm)	40-9/16" (103.0 cm)	-	-	-
1SRAI5	1 (5")	1" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	17-1/2" (44.5 cm)	10-7/32" (26.0 cm)	4-3/4" (12.1 cm)	7-7/8" (20.0 cm)	8-21/32" (22.0 cm)
1SRA1	1 (10")	1" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	21-1/2" (54.6 cm)	14-7/32" (36.1 cm)	4-3/4" (12.1 cm)	7-7/8" (20.0 cm)	8-21/32" (22.0 cm)
1SRA2	1 (20")	1" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	31-1/2" (80.0 cm)	24-7/32" (61.5 cm)	4-3/4" (12.1 cm)	7-7/8" (20.0 cm)	8-21/32" (22.0 cm)
1SRA3	1 (30")	1" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	41-1/2" (105.4 cm)	34-7/32" (86.9 cm)	4-3/4" (12.1 cm)	7-7/8" (20.0 cm)	8-21/32" (22.0 cm)
1SRA4	1 (40")	1" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	51-1/2" (130.8 cm)	44-7/32" (112.3 cm)	4-3/4" (12.1 cm)	7-7/8" (20.0 cm)	8-21/32" (22.0 cm)
3SRA2	3 (20")	2" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	39-1/2" (100.3 cm)	25-5/8" (65.1 cm)	7-3/8" (18.7 cm)	13-3/8" (34.0 cm)	14-7/16" (36.6 cm)
3SRA3	3 (30")	2" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	49-3/8" (125.4 cm)	31-1/2" (80.0 cm)	7-3/8" (18.7 cm)	13-3/8" (34.0 cm)	14-7/16" (36.6 cm)
3SRA4	3 (40")	2" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	59-3/16" (150.3 cm)	41-3/8" (105.1 cm)	7-3/8" (18.7 cm)	13-3/8" (34.0 cm)	14-7/16" (36.6 cm)
5SRA3	5 (30")	2" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	50-7/16" (128.1 cm)	31-1/2" (80.0 cm)	7-7/8" (20.0 cm)	15-3/4" (40.0 cm)	16-13/16" (42.7 cm)
5SRA4	5 (40")	2" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	60-1/4" (153.0 cm)	41-5/16" (104.9 cm)	7-7/8" (20.0 cm)	15-3/4" (40.0 cm)	16-13/16" (42.7 cm)
7SRA3	7 (30")	2" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	50-3/4" (128.9 cm)	31-1/2" (80.0 cm)	7-7/8" (20.0 cm)	16-9/16" (42.1 cm)	17-3/4" (45.1 cm)
7SRA4	7 (40")	2" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	60-9/16" (153.8 cm)	41-5/16" (104.9 cm)	7-7/8" (20.0 cm)	16-9/16" (42.1 cm)	17-3/4" (45.1 cm)
12SRA3	12 (30")	3" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	49-5/16" (125.2 cm)	34-11/16" (88.1 cm)	6-1/16" (15.4 cm)	18-1/2" (47.0 cm)	19-7/16" (49.3 cm)
12SRA4	12 (40")	3" TC	1/2" TC	1.5" TC/1/2" TC	2-3/4"	59-5/16" (150.6 cm)	44-11/16" (113.5 cm)	6-1/16" (15.4 cm)	18-1/2" (47.0 cm)	19-7/16" (49.3 cm)

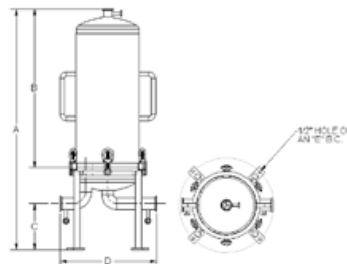
## Dimensions



SRAI In-Line



SRA T-Style Clamp



SRA T-Style Swing Bolt

## Ordering Guide (Example: 7SRA3-SB226-2TC25-11S-VK)

7SRA		3	-	SB	226	-	2TC	25	-	1	1	S	-	VK
MODEL & NO. OF COLUMNS	LENGTH OF CARTRIDGES	CLOSURE STYLE		CARTRIDGE CONNECTOR	CONNECTION	INTERNAL RA FINISH++	VENT	DRAIN		GASKET	OPTIONS			
1SRAI	5 = 5" * 1 = 10" 2 = 20" 3 = 30" 4 = 40"	C = Tri Clamp		222 = 222 Style Cartridge 226 = 226 Style Cartridge	1.5TC = 1.5" TC	25	N = None 1 = 1/2" TC ferrule with solid end caps and 1-1/2" TC gauge port	N = None 1 = 1/2" TC ferrules with solid end caps 2 = 1/2" TC ferrules with sanitary twist valves		S = Silicone (standard) E = EPR V = Viton TS = Teflon Encapsulated Silicone TV = Teflon Encapsulated Viton	VK = Valve Kit			
1SRA 3SRA 5SRA 7SRA 12SRA 21SRA	5 = 5" * 1 = 10" 2 = 20" 3 = 30" 4 = 40"	C = Tri Clamp** SB = Swing Bolt		222 = 222 Style Cartridge 226 = 226 Style Cartridge	1TC = 1" TC + 2TC = 2" TC + 3TC = 3" TC + 4TC = 4" TC +	25	2 = 1/2" TC ferrules with sanitory twist valve and 1-1/2" TC gauge port							

\* 5" length available in 1SRAI and 1SRA models. \*\* Tri-clamp closure and 1" TC connections only available on 1SRA model.

+ Standard connection sizes are: 2" TC for 3SRA, 5SRA and 7SRA models. 3" TC for 12SRA models and 4" TC for 21SRA models. ++ Contact factory for alternate finishes.



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