

Model RSD Series – High Flow Multi-Cartridge Sanitary Filter Housings

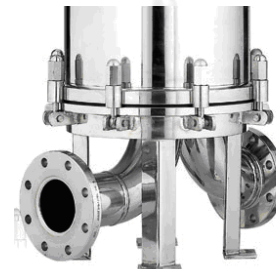
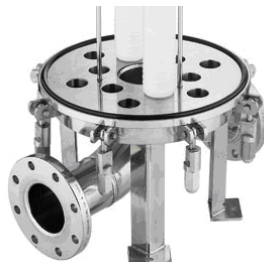


Model RSD Series High Flow Multi-Cartridge Sanitary Filter Housings

Large-volume, cost-effective sanitary filter housings suitable for pressures up to 150 psi and flow rates up to 330 gpm

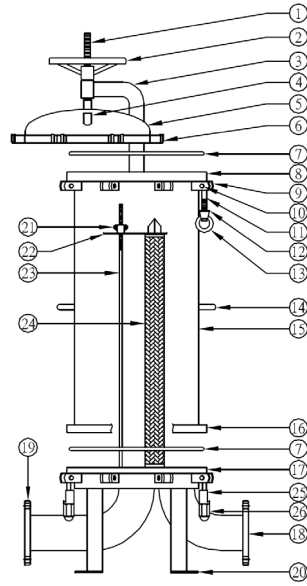
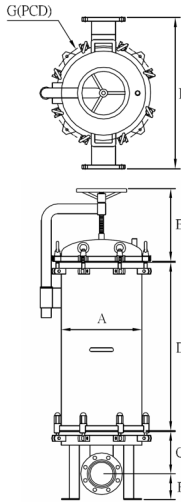
Description

Product:	Model RSD Series—High Flow Multi-Cartridge Sanitary Filter Housings
Applications:	Sanitary pharmaceutical, bioprocess, food and beverage applications
Configuration:	8-22 multiple cartridges (222, 226)
Material of Construction:	Stainless steel construction (SS316, SS316L)
Inlet Outlet Connections:	2"-4" sanitary flange (Tri-Clamp) , ANSI 150 flange
Gauge Port/Vent/Drains:	Gauge 1", vent/drains 1/2" sanitary flange (Tri-Clamp)
Flow Rate:	Up to 330 gpm
Max. Pressure:	150 psi
Temperature:	210 °F
Surface finish:	Electropolished, interior 25µin Ra (0.6µm); exterior 32µin Ra (0.8µm)
Closure Mechanism:	Davit arms, integrated hand wheels, and eyebolt fastened design
Seal type:	O-Ring (SILICONE, EPDM, VITON, PTFE encap. VITON)
Cartridge Size:	30"
Leg Support:	Stainless Steel (SS304)
Inlet outlet position:	Bottom in and bottom out
Customizations:	Other configurations are available upon request
Recommended Spare Parts:	O-Rings, Nuts for Screw Rod, Cartridge Hold-down Plates, Screw Rods



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Dimensions



NO	Description	NO	Description
1	Top Screw Rod	14	Handle
2	Wheel	15	Shell
3	Davit Arm	16	Top Cover Flange
4	Port Vent	17	Base
5	Top Cover	18	Port Outlet
6	Top Cover Flange	19	Port Inlet
7	O-Ring	20	Leg Support
8	Shell Flange	21	Nut for Screw Rod
9	Eye Bolt Socket	22	Cartridge Hold-down Plate
10	Hinge	23	Screw Rod
11	Eye Bolt	24	Filter Cartridge
12	Spacer	25	Padlock
13	Eye Nut	26	Nut

Inch
[mm]

Cartridge No	Cartridge Size	Connection Size	Flow GPM	Dimensions							Weight Lbs	Volume Gal
				A	B	C	D	E	F	G		
8	30"	2"-3"	120	13-3/4 [350]	5 [130]	8-1/2 [215]	33-1/2 [850]	14-3/4 [375]	19-1/2 [500]	17-1/2 [445]	255	24
10	30"	2"-3"	150	13-3/4 [350]	5 [130]	8-1/2 [215]	33-1/2 [850]	14-3/4 [375]	19-1/2 [500]	17-1/2 [445]	255	24
12	30"	2"-4"	180	16 [406]	5-3/4 [150]	8-1/2 [215]	33-1/2 [850]	14-3/4 [375]	23-1/2 [600]	19-1/2 [500]	330	32
16	30"	2"-4"	240	16 [406]	5-3/4 [150]	8-1/2 [215]	33-1/2 [850]	14-3/4 [375]	23-1/2 [600]	19-1/2 [500]	330	32
20	30"	2"-4"	300	19 [486]	5-3/4 [150]	8-1/2 [215]	33-1/2 [850]	15-1/2 [395]	27-1/2 [700]	22-3/4 [580]	407	45
22	30"	2"-4"	330	19 [486]	5-3/4 [150]	8-1/2 [215]	33-1/2 [850]	15-1/2 [395]	27-1/2 [700]	22-3/4 [580]	407	45

All dimensions are nominal and rounded to 1/4" in the format of inch[mm]

How to order

Product Codes	RSD-	B-	12-	30-	S-	150-	020-	180-
		Material	Cartridge No	Cartridge Size	Connect. Type	Pressure Rating	Connect. Size	Flow Rate
		B-SS316 C-SS316L	08-8 10-10 22-22	30-30"	S-Sanitary Flange	150-150psi	020-2" 030-3" 040-4"	120-120 gpm 150-150 330-330

Example: RSD-B-12-30-S-150-020-180-E-N

Product Codes (Cont'd)		Accessory Codes & Spare Parts Codes					
E -	N	RSD	S-	B-	30-	12-	CP
O-Ring	ASME Code		Spare Parts	Material	Cartr. Size	Cartr. No	Type
S-SILICONE	N-No			A-SS304	30-30"	08-8	NR-Nut for Screw Rod
E-EPDM				B-SS316		10-10	CP-Cartridge Hold-down Plate
V-VITON				C-SS316L		12-12	SR-Screw Rod
P-PTFE encap.				S-SILICONE		16-16	OR-O-Ring
VITON				E-EPDM		20-20	
				V-VITON		22-22	
				P-PTFE encap.			
				VITON			

Example: RSDS-B-30-12-CP