

Gold Label Premium Suction Line Filter-Driers

SLD Series - For Refrigeration and Air Conditioning

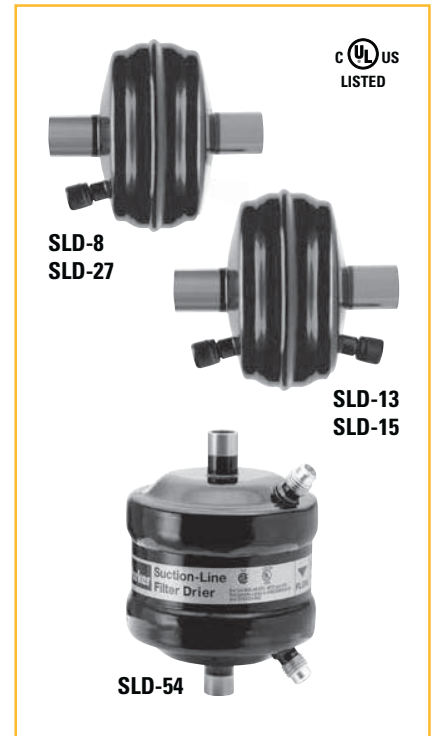
The SLD Series is a solid core clean-up filter-drier for use in the suction line for both refrigeration and air conditioning systems. The compact design incorporates a large outside diameter shell, which results in a shorter lay-in length, and a larger core, which provides a greater filtration area for maximum operating efficiency.

The core material has controlled porosity which effectively removes and holds a maximum amount of contaminants with a minimal pressure drop. In addition, the core material collects and holds acids and other harmful contaminants present after a motor burnout.

Access valves make it easy to measure pressure accurately. The SLD-8 and SLD-27 each have one access fitting. The SLD-13 and SLD-15 each have two access fittings. Occasionally, enough contaminant matter may collect in the filter core to cause a slight pressure drop.

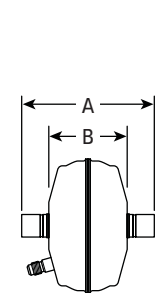
Features and Benefits

- Made in the USA
- Molded porous core
- High acid capacity
- Low pressure drop — exceptionally high flow rates
- Designed for system clean-up
- 500 hours salt spray protection
- Short system cut-out lengths allow installation in tight areas
- Access valves simplify pressure drop measurement
- ODF Solder fittings
- 355 psig (24.5 bar) MRP
- UL Listed under SMTG/SMGT7-SA1756

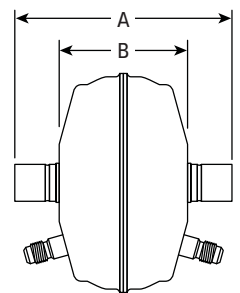


Premium Suction Line Filter-Drier Dimensions

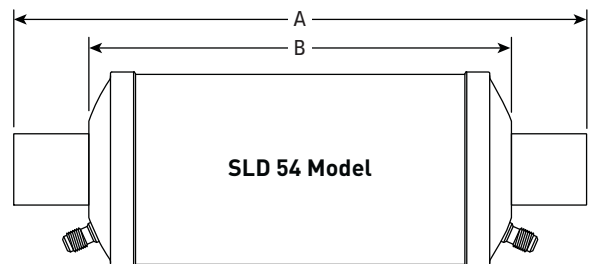
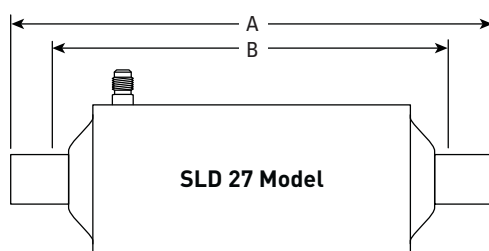
Model No.	Part Number	Overall Length "A"		System Cutout Length "B"		Shell Diameter	
		Inches	mm	Inches	mm	Inches	mm
SLD 8-3SV-HH	450044-001	5.30	135	4.42	112	2.69	68
SLD 8-4SV-HH	450039-001	5.42	138	4.42	112	2.69	68
SLD 8-5SV-HH	450020-001	5.66	144	4.42	112	2.69	68
SLD 8-6SV-HH	450027-001	5.98	152	4.60	117	2.69	68
SLD 13-5SV-HH	450040-001	4.38	111	4.00	102	4.42	112
SLD 13-6SV-HH	450023-001	4.83	123	3.45	88	4.42	112
SLD 13-7SV-HH	450022-001	4.98	126	3.48	88	4.42	112
SLD 13-9SV-HH	450053-001	4.93	125	3.11	79	4.42	112
SLD 27-7SV-HH	450042-001	9.82	249	8.32	211	3.03	77
SLD 27-9SV-HH	450041-001	9.75	248	7.93	201	3.03	77
SLD 54-11SV-HH	450026-001	12.03	306	9.17	233	4.00	102
SLD 54-13SV-HH	450074-001	12.09	307	9.17	233	4.00	102



SLD 8 and SLD 27 Models



SLD 13 and SLD 15 Models



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Water Capacity In Drops (Grams*) at 65°F (18°C)

Model No.	Fitting (Inches)	Desiccant (Cu. In.)	Filter Area (Sq. In.)
SLD 8-3SV-HH	3/8 ODF Solder	8	21
SLD 8-4SV-HH	1/2 ODF Solder	8	21
SLD 8-5SV-HH	5/8 ODF Solder	8	21
SLD 8-6SV-HH	3/4 ODF Solder	8	21
SLD 13-5SV-HH	5/8 ODF Solder	14	27
SLD 13-6SV-HH	3/4 ODF Solder	14	27
SLD 13-7SV-HH	7/8 ODF Solder	14	27
SLD 13-9SV-HH	1-1/8 ODF Solder	14	27
SLD 27-7SV-HH	7/8 ODF Solder	27	53
SLD 27-9SV-HH	1-1/8 ODF Solder	27	53
SLD 54-11SV-HH	1-3/8 ODF Solder	54	88
SLD 54-13SV-HH	1-5/8 ODF Solder	54	88

* 20 Drops = 1 Gram = 1 cc

Flow Capacity – Tons of Refrigeration

Refrigerant	R-22/407			R-134a		R-404A/507			R-410A		
	40	0	-20	40	0	20	0	-40	40	0	-20
Evaporator Temp °F	40	0	-20	40	0	20	0	-40	40	0	-20
Pressure Drop PSI	3	1.5	1	2.0	1.0	3	1.5	0.5	3.0	1.5	1.0
SLD 8-3SV-HH	2.1	0.9	0.5	1.3	0.5	1.5	0.6	0.2	2.6	1.1	0.7
SLD 8-4SV-HH	2.1	0.9	0.5	1.3	0.5	1.5	0.6	0.2	2.6	1.1	0.7
SLD 8-5SV-HH	3.0	1.2	0.7	1.8	0.7	2.1	0.8	0.3	3.8	1.6	0.9
SLD 8-6SV-HH	4.0	1.6	1.0	2.4	0.9	2.8	1.1	0.4	5.0	2.1	1.2
SLD 13-5SV-HH	3.6	1.5	0.9	2.2	0.8	2.5	1.0	0.3	4.5	1.9	1.1
SLD 13-6SV-HH	4.9	2.0	1.2	2.9	1.1	3.4	1.4	0.5	6.2	2.5	1.5
SLD 13-7SV-HH	5.4	2.2	1.3	3.2	1.2	3.8	1.5	0.5	6.8	2.8	1.7
SLD 13-9SV-HH	7.1	2.9	1.8	4.3	1.6	5.0	2.0	0.7	8.9	3.7	2.2
SLD 27-7SV-HH	5.3	2.2	1.3	3.2	1.2	3.7	1.5	0.5	6.7	2.7	1.6
SLD 27-9SV-HH	5.9	2.4	1.5	3.5	1.3	4.1	1.6	0.6	7.4	3.1	1.8
SLD 54-11SV-HH	11.1	4.6	2.7	6.7	2.4	7.8	3.1	1.1	14.0	5.7	3.4
SLD 54-13SV-HH	12.2	5.0	3.0	7.3	2.7	8.5	3.4	1.2	15.4	6.3	3.8

Flow Capacity – kW of Refrigeration

Refrigerant	R-22/407			R-134a		R-404A/507			R-410A		
	4	-18	-29	4	-18	-6	-18	-40	4	-18	-29
Evaporator Temp °C	4	-18	-29	4	-18	-6	-18	-40	4	-18	-29
Pressure Drop Bar	0.21	0.11	0.07	0.14	0.07	0.21	0.11	0.04	0.21	0.11	0.07
SLD 8-3SV-HH	7.4	3.0	1.8	4.4	1.6	5.1	2.0	0.7	9.3	3.8	2.3
SLD 8-4SV-HH	7.4	3.0	1.8	4.4	1.6	5.1	2.0	0.7	9.3	3.8	2.3
SLD 8-5SV-HH	10.5	4.3	2.6	6.3	2.3	7.4	2.9	1.0	13.2	5.4	3.3
SLD 8-6SV-HH	14.0	5.7	3.5	8.4	3.1	9.8	3.9	1.4	17.6	7.3	4.3
SLD 13-5SV-HH	12.6	5.2	3.1	7.6	2.8	8.8	3.5	1.2	15.9	6.5	3.9
SLD 13-6SV-HH	17.2	7.0	4.2	10.3	3.8	12.0	4.8	1.7	21.6	8.9	5.3
SLD 13-7SV-HH	18.9	7.7	4.7	11.3	4.2	13.2	5.2	1.8	23.8	9.8	5.9
SLD 13-9SV-HH	24.9	10.2	6.1	14.9	5.5	17.4	6.9	2.4	31.3	12.9	7.7
SLD 27-7SV-HH	18.6	7.6	4.6	11.1	4.1	13.0	5.1	1.8	23.4	9.6	5.8
SLD 27-9SV-HH	20.7	8.5	5.1	12.4	4.5	14.5	5.7	2.0	26.0	10.7	6.4
SLD 54-11SV-HH	38.9	15.9	9.6	23.3	8.5	27.2	10.8	3.8	49.0	20.1	12.0
SLD 54-13SV-HH	42.7	17.5	10.5	25.6	9.4	29.9	11.8	4.1	53.8	22.1	13.2