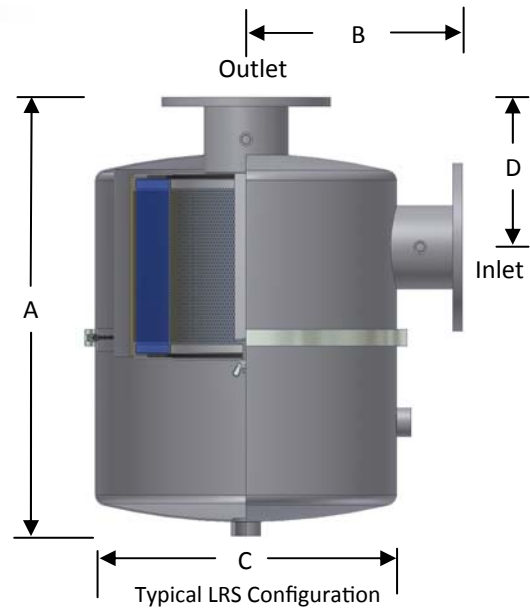


Liquid Separator/Vacuum Filter LRS/SRS Series 3/4"- 12" FLG



Operating Principle

- The inlet air with potentially harmful liquids and particulate enters the highly efficient vacuum filter and is separated by a baffling system.
- The larger particles and liquid drop down to the large capacity lower chamber.
- The lower chamber has significant liquid/slurry holding capacity & has an optional removable base for easy cleaning.
- The final stage has a replaceable filter element for fine filtration that is 99+% efficient before it reaches the vacuum pump.

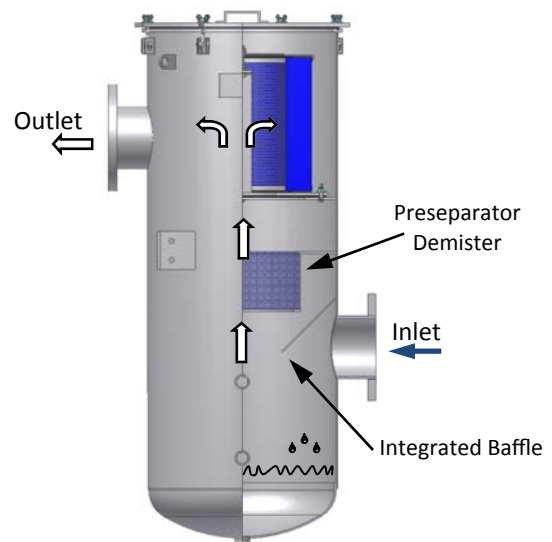
Note: A typical SRS Series design has a preseparator demister or strainer element before the filter element for additional liquid/particulate removal.

LRS Series Specifications

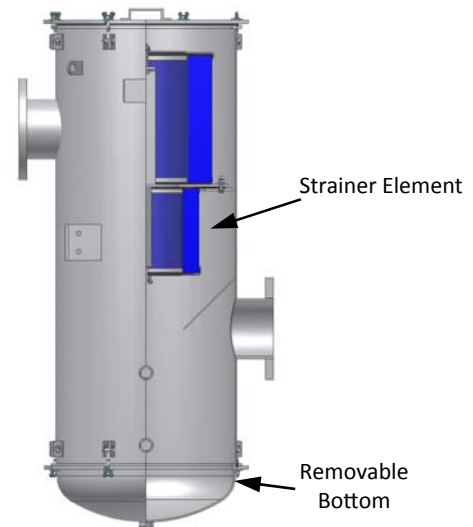
- "L" style configuration: side inlet, top outlet
- Multiple stage filtration:
 - Baffle System
 - 99+% efficient filter element
- For aerosol apps, additional knock out pot or separator is unnecessary
- Compact construction design

SRS Series Specifications

- Offset connections: lower side inlet, upper side outlet
- Multiple stage filtration
 - Integrated baffle system
 - Preseparator demister or stainless steel wire mesh strainer
 - Primary 99+% efficient filter element
- Additional knock out pot or separator unnecessary
- Significant liquid/slurry holding capacity
- Removable base option for easy access cleaning
- Brackets for support legs & nameplate
- Lifting lugs



SRS w/Demister Option



SRS w/Strainer Element Option

Benefits

- Simplified vacuum package: 2 functions in one (liquid separator & inlet air filter)
- High efficiency separation & multistage filtration
- Protects pump from harmful liquids that destroy lubricating/sealing oil
- Lower costs from unnecessary piping
- Large liquid/slurry holding capacity
- Prevents emulsification of oil in oil lubricated systems
- Reduced footprint

Features

- Durable carbon steel construction with blue epoxy coating
- Baffle system
- Significant liquid/sludge holding capacity
- 1/4" inlet/outlet taps on 3" and larger
- 1" sight port for visual inspection
- 1" drain port
- Wide range of operation flows

LRS Series

Assembly SCFM Rating	Inlet / Outlet Size	Inlet / Outlet Type	Assembly Part Number	Dimensions - inches				Approx. Holding Cap. Gal.	Replacement Element Part No.	Element SCFM Rating
				A	B	C	D			
60	3/4"	FPT	LRS-19-075HC	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
85	1"	FPT	LRS-19-100HC	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
85	1 1/4"	FPT	LRS-19-125HC	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
100	1 1/2"	FPT	LRS-19-150HC	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
135	2"	FPT	LRS-237-200HC	22 1/4	6 3/4	12	6 3/8	2.5	237	550
195	2 1/2"	FPT	LRS-237-250C	22 3/4	7 1/4	12	6 3/8	2.5	237	550
300	3"	FPT	LRS-237-300C	22 3/4	7 1/4	12	6 3/8	2.5	237	550
520	4"	FLG	LRS-275-400F	23 3/8	11 1/2	16	8	4.5	275	1100
830	6"	FLG	LRS-275-600F	40 5/8	11 1/2	16	8	4.5	275	1100

See Vacuum Filter Technical Data section for sizing guidelines.

Dimension tolerance $\pm 1/4"$

Technical Specifications

- Vacuum Rating: Medium vacuum service**
- Filter change out differential: 15-20" H2O over Initial ΔP
- 99% liquid removal efficiency
- Polyester: 99%+ removal efficiency standard to 5 micron

** See Vacuum Filter Technical Data for vacuum service data.

Options



- ASME & PED rated vessels
- Multiple configurations
- Extended bucket for additional holding capacity
- Wire mesh strainer element
- Removable bottom for full access cleaning
- Stainless steel construction
- Safety switch port for high liquid warning
- Vacuum gauge
- Support legs and lifting lugs
- ATEX certified housings
- Electronics package (customer specified)

SRS Series (Contact factory for model offerings & design parameters.)

Assembly SCFM Rating	Flange Inlet & Outlet	Reference Only Assembly Part Number	Approx Holding Cap. Gal.	Replacement Element Part No.
1275	6"	SRS-377/274S-600F	20	377
1800	8"	SRS-385/376S-800F	45	385
1800	10"	SRS-385/376S-1000F	45	385
3000	12"	SRS-485/384S-1200F	80	485

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.