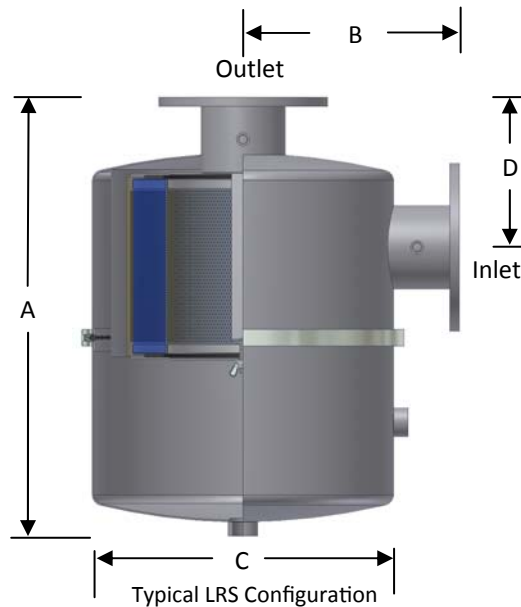


# Liquid Separator/Vacuum Filter LRS/SRS Series 3/4" - 12" FLG



## Operating Principle

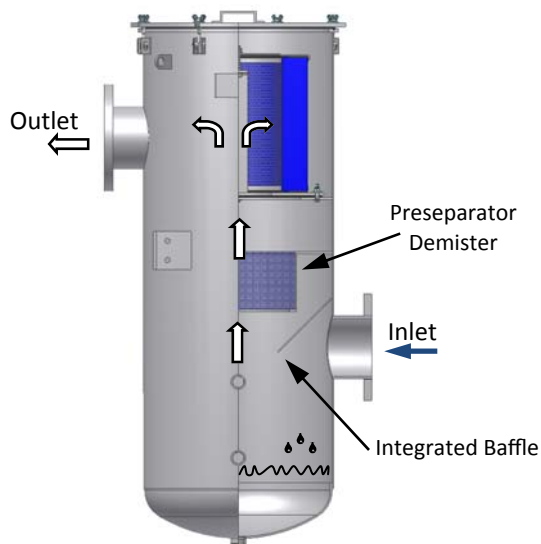
- The inlet air with potentially harmful liquids and particulate enters the highly efficient vacuum filter and is separated by a baffling system.
  - The larger particles and liquid drop down to the large capacity lower chamber.
  - The lower chamber has significant liquid/slurry holding capacity & has 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

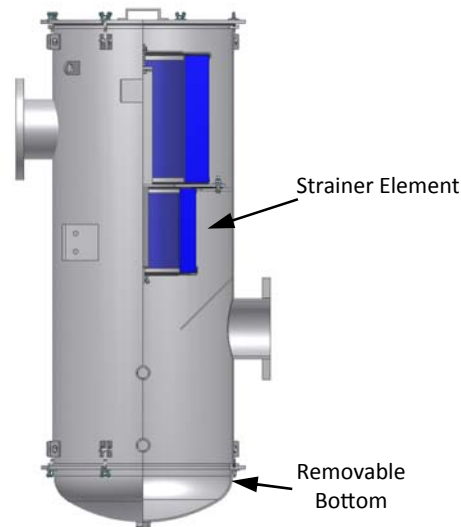
- "L" style configuration: side inlet, top outlet
- Multiple stage filtration:
  - Baffle System
  - 99+% efficient filter element
- For aerosol apps, additional knock out pot or separator is unnecessary
- Compact construction design

## 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	<b>LRS-19-075HC</b>	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
85	1"	FPT	<b>LRS-19-100HC</b>	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
85	1 1/4"	FPT	<b>LRS-19-125HC</b>	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
100	1 1/2"	FPT	<b>LRS-19-150HC</b>	17 7/8	4 5/8	7 11/16	3 1/2	1.5	19	100
135	2"	FPT	<b>LRS-237-200HC</b>	22 1/4	6 3/4	12	6 3/8	2.5	237	550
195	2 1/2"	FPT	<b>LRS-237-250C</b>	22 3/4	7 1/4	12	6 3/8	2.5	237	550
300	3"	FPT	<b>LRS-237-300C</b>	22 3/4	7 1/4	12	6 3/8	2.5	237	550
520	4"	FLG	<b>LRS-275-400F</b>	23 3/8	11 1/2	16	8	4.5	275	1100
830	6"	FLG	<b>LRS-275-600F</b>	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  $\Delta P$
- 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"	<b>SRS-377/274S-600F</b>	20	377
1800	8"	<b>SRS-385/376S-800F</b>	45	385
1800	10"	<b>SRS-385/376S-1000F</b>	45	385
3000	12"	<b>SRS-485/384S-1200F</b>	80	485

Note: Model offerings and design parameters may change without notice. See [www.solbergmfg.com](http://www.solbergmfg.com) for most current offering.