

Multistage Liquid Knockout Tank & Filter

LRS Series 3/4" - 3", DN100 - DN150

Overview

The inlet air, with liquids and particulate that are potentially harmful to the vacuum pump, enters the highly efficient vacuum filter and is separated by an integrated baffle. The larger particles and liquid drop down to the large capacity lower chamber. The lower chamber has significant liquid/slurry holding capacity. The final stage has a replaceable filter element for particulate that is 99+% efficient before it reaches the vacuum pump.

Benefits

- Simplified vacuum package: 2 functions in 1 (liquid separator & inlet air filter)
- Multistage filtration & separation
- Protects pump from harmful liquids that break down lubricating/sealing oil
- Lower cost than individual separator and filter
- Significant liquid/slurry holding capacity
- Prevents emulsification of oil in oil lubricated systems
- Reduce footprint with compact design

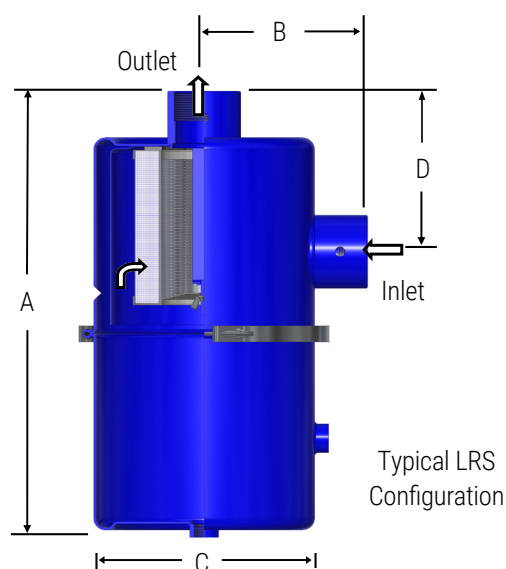
Features

- Corrosive resistant blue powder coat carbon steel
- Integrated baffle
- Expansion chamber
- 1/4" inlet/outlet taps (select models)
- 1" BSPP drain and sight port

Features

- Vacuum Rating: rough to medium vacuum service
- Filter change out differential: 37-50 mbar over initial ΔP
- Polyester: 99%+ particulate removal efficiency to 5 micron





Inlet / Outlet		Assembly m ³ /hr Rating	Assembly Part Number	Dimensions (mm)				Suggested Service Height (mm)	Holding Capacity (liter)
Size	Type			A	B	C	D		
3/4"	BSPP	105	LRS-19-076HC	451	117	230	76	127	5.7
1"	BSPP	145	LRS-19-101HC	454	117	230	76	127	5.7
1 1/4"	BSPP	145	LRS-19-126HC	455	117	230	76	127	5.7
1 1/2"	BSPP	170	LRS-19-151HC	456	118	227	90	127	5.7
2"	BSPP	230	LRS-237-201HC	564	171	346	168	229	9.5
2 1/2"	BSPP	335	LRS-237-251HC	577	185	346	182	229	9.5
3"	BSPP	510	LRS-237-301HC	585	192	346	189	229	9.5
DN100	FLG	885	LRS-275-DN100	594	292	436	203	254	17
DN150	FLG	1415	LRS-275-DN150	998	305	436	229	254	40

Options ATEX Available

- PED, ASME rated vessels
- Stainless steel construction & nonstandard finishes
- Specialty filter media
- Extended bucket for additional holding capacity
- Preseparator stainless steel demister
- Vacuum gauges
- Support legs
- For larger flows, see our Liquid Knockout Separator Series

Learn More

For more information about Solberg products and finding the right solutions for your equipment needs, visit us at **SolbergMfg.com**.

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All model offerings and design parameters are subject to change without prior notice.
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