

# Multistage Liquid Knockout Tank & Filter

## SLS / SRS Series

### Overview

Solberg's Knockout series is a heavy duty multistage liquid and particulate separator to protect vacuum pumps from harmful contaminants that destroy lubricating or seal oil. This turn-key solution for a majority of liquid removal applications is readily available and easily configured. Multiple separator pack options are available and adjustable legs are standard for easy installation. Sustain your vacuum levels and prevent emulsification in oil lubricated systems with the Knockout series.

### Benefits

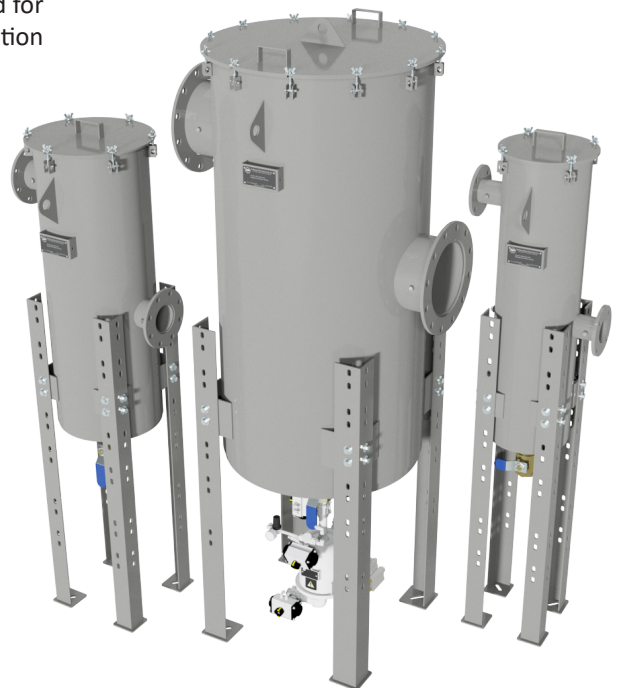
- Maximum pump protection with multi-stage filtration & separation
- Reduce costs with a singular modular design
- Housings may be used in a variety of conditions with multiple media pack options available
- Minimize frequent and costly maintenance checks with large liquid/slurry holding chamber

### Features

- (2) 1" sight glass ports with sight glasses (low/high level)
- 1" upper chamber drain port
- ¼" plugged differential ports on inlet and outlet
- ½" plugged equalization port for use with pneumatic drain system
- 6 position adjustable legs, pre drilled to accept pneumatic drain system option
- Predrilled floor anchor holes
- Nameplate
- 2" drain with brass ball valve included
- Lifting lugs on the tank body

### Technical Specifications

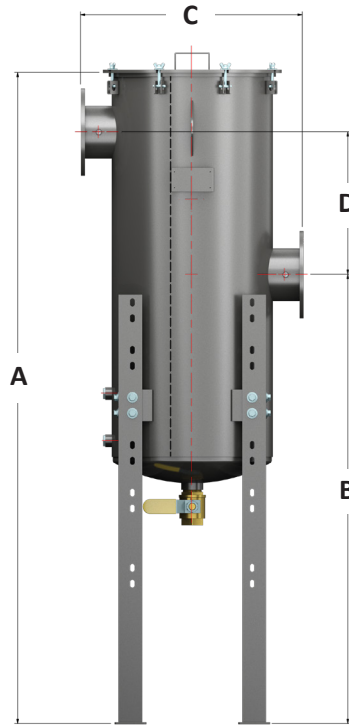
- Service range: up to 1000 mbar absolute
- Polyester element: 99%+ removal efficiency to 1 or 5 micron



### Options

- Flange adapters
- Available with either wire mesh element or demister pad
- Custom tanks denoted with SRS prefix

Rev: EU2402C2



PN10 Flange Connection	Assembly Flow Range m <sup>3</sup> /hr	Assembly Part Number	Dimensions - mm				Suggested Service ht.**		Liquid Capacity (liter)	Upper Element Part No. Polyester	Lower Element Part No. Wire Mesh/Demister Pad
			A*	B*	C	D	Upper	Lower			
DN80	300 - 510	SLSDN80	1988	1340	508	457	250	660	19	235™ / 235Z	230S / DM8
DN100	510 - 885	SLSDN100	1988	1340	597	457	250	711	34	245™ / 245Z	234S / DM12
DN150	885 - 1170	SLSDN150	2089	1441	737	419	375	838	57	375™ / 375Z	274S / DM16
DN200	1170 - 3060	SLSDN200	2089	1441	880	419	375	838	91	377™ / 377Z	276S / DM20
DN250	1870 - 4930	SLSDN250	2369	1619	1016	432	375	1016	151	385™ / 385Z	384S / DM26

\*Height can be adjusted up or down in 152 mm increments to a maximum of 304 mm in either direction.

\*\*To service the lower media pack, additional service height is required.

		Assembly Part Number		Pump Max Flow Rating (m <sup>3</sup> /hr)								
		5 micron 99+% particulate protection	1 micron 99+% particulate protection	300	510	670	885	1170	1870	3060	4930	
		DN80	Demister	SLS-M300D5-DN80	SLS-M300D1-DN80	■	■	■	■	■	■	■
	Wire mesh	SLS-M510W5-DN80	SLS-M510W1-DN80	■	■	■	■	■	■	■	■	■
DN100	Demister	SLSM670D5-DN100	SLS-M670D1-DN100	■	■	■	■	■	■	■	■	■
	Wire mesh	SLS-M885W5-DN100	SLS-M885W1-DN100	■	■	■	■	■	■	■	■	■
DN150	Demister	SLS-M1175D5-DN150	SLS-M1175D1-DN150	■	■	■	■	■	■	■	■	■
	Wire mesh	SLS-M1870W5-DN150	SLS-M1870W1-DN150	■	■	■	■	■	■	■	■	■
DN200	Demister	SLS-M1835D5-DN200	SLS-M1835D1-DN200	■	■	■	■	■	■	■	■	■
	Wire mesh	SLS-M3060W5-DN200	SLS-M3060W1-DN200	■	■	■	■	■	■	■	■	■
DN250	Demister	SLS-M3085D5-DN250	SLS-M3085D1-DN250	■	■	■	■	■	■	■	■	■
	Wire mesh	SLS-M4930W5-DN250	SLS-M4930W1-DN250	■	■	■	■	■	■	■	■	■

- Suitable for use in this flow range
- Contact Solberg for review of application
- Not recommended for use at listed flowrate

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