

# See-Through Liquid Separators

## STS Series 1" - 6"

### Overview

Inlet air with potentially harmful liquid and large particulate enters the housing and is separated by a baffle mechanism and directional air flow changes. The larger particles and liquid drop down and collect at the bottom of the separator. The float capsule within the separator screen rises with the liquid level until max capacity and limits the flow, thereby protecting the pump from damage.

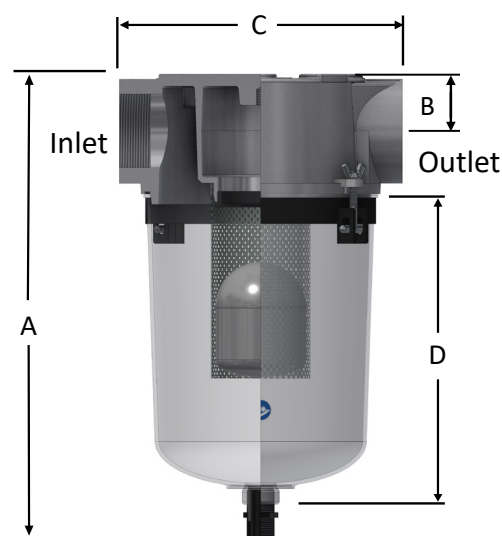
### Benefits

- Minimize the likelihood of damage to vacuum valves and pumps from liquid
- Protect installed equipment from liquid contamination by retrofitting STS separator
- Easy visual inspection with see-through housing
- Reduce piping costs with T-style configuration
- Compact design for space restricted work areas

### Technical Specifications

- Compact design for space restrictions; min. service area
- Inlet above element for extended element life & maintenance intervals
- Corrosive resistant cast aluminum top with machined connections and integrated baffle design
- Shatter-resistant polycarbonate drop down bucket
- Stainless steel float capsule for emergency shut-off
- Stainless steel perforated float tube  
(SS expanded metal on 1" to 1 1/2")
- Clamp style swing bolts on 3" & 4" standard
- Drain





Inlet / Outlet		Assembly m³/hr Rating	Assembly Part Number	Dimensions (mm)				Suggested Service Ht. (mm)	Holding Capacity (liter)
Size	Type			A	B	C	D		
3/4"	BSPP	42	STS-076C	275	25	127	174	127	0.6
1"	BSPP	42	STS-101C	404	39	178	282	254	1.6
1 1/4"	BSPP	68	STS-126C	404	39	178	282	254	1.6
1 1/2"	BSPP	102	STS-151C	404	39	178	282	254	1.6
2"	BSPP	178	STS-201C	472	51	229	332	204	3.7
2 1/2"	BSPP	195	STS-251C	472	51	238	332	204	3.7
3"	BSPP	407	STS-301C	541	69	343	375	254	5.7
4"	BSPP	424	STS-401C	520	69	343	376	254	5.7
6"	BSPP	934	STS-601C	776	99	483	563	381	15.1

## Technical Specifications

- Vacuum Rating: medium vacuum service
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)\*

\*Temperature for materials only.

## 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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