

See-Through Liquid Separators

STS Series 1" - 4"

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

Features

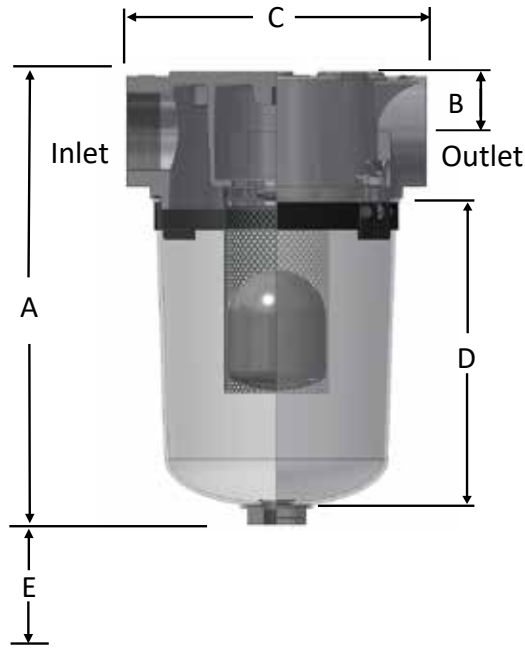
- Compact design for space restrictions; min. service area
- Inlet above element for extended element life & maintenance intervals
- Corrosive resistant cast aluminum top with machined connections and integrated baffle design
- Shatter-resistant polycarbonate drop down bucket
- Stainless steel float capsule for emergency shut-off
- Stainless steel perforated float tube (SS expanded metal on 1" to 1 ½")
- Clamp style swing bolts on 3" & 4" standard
- Drain

Technical Specifications

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



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| Inlet/Outlet | | Assembly m ³ /hr Rating | Assembly Part Number | Dimensions - mm | | | | Suggested Service ht. E | Holding Capacity (liter) |
|--------------|------|--|-------------------------|-----------------|----|-----|-----|-------------------------------|--------------------------------|
| Size | Type | | | A | B | C | D | | |
| 1" | BSPP | 42 | STS-101C | 360 | 39 | 178 | 282 | 228 | 1.6 |
| 1 ¼" | BSPP | 68 | STS-126C | 360 | 39 | 178 | 282 | 228 | 1.6 |
| 1 ½" | BSPP | 102 | STS-151C | 360 | 39 | 178 | 282 | 228 | 1.6 |
| 2" | BSPP | 178 | STS-201C | 428 | 50 | 229 | 332 | 228 | 3.7 |
| 2 ½" | BSPP | 195 | STS-251C | 428 | 50 | 229 | 332 | 228 | 3.7 |
| 3" | BSPP | 407 | STS-301C | 520 | 69 | 343 | 376 | 228 | 5.7 |
| 4" | BSPP | 424 | STS-401C | 520 | 69 | 343 | 376 | 228 | 5.7 |

Options

- Cast head protective coatings
- Heavy duty carbon steel buckets available (CTS Series)
- Clamp style swing bolts on 1" to 2 ½"
- Extended capacity (select models)
- Pressure drop gauge
- Taps for gauges and mounting brackets

*See Vacuum Filter Technical Data for vacuum service data and sizing guidelines.

**Temperature for materials only.

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