

See-Through Liquid Separator STS Series 2" to 4" FTP Connections



- Protect Vacuum Pump & Systems
- See Through Housing
- Vacuum Tested
- Save costs
- Easy visual inspection for simplified maintenance
- Prohibit liquid and debris from damaging vacuum valves and pumps
- Quick release clamps provide for easy disassembly (no tool needed)
- Minimize piping costs with "T" style configuration.

OPERATIONS

- Inlet air with potentially harmful liquid and large particulate enters the STS and is separated by a baffling mechanism and directional air flow changes.
- The larger particles and liquid drops down and collects at the bottom of the separator.
- The float ball within the separator screen rises with the liquid level until max capacity and cuts off the flow thereby protecting the pump from damage.

APPLICATIONS & EQUIPMENT

- Food packaging
- Soil Remediation
- Metal processing/chip processing
- Vacuum pumps & systems

FEATURES & SPECIFICATIONS

- High impact, shatter resistant see through polycarbonate bucket
- Corrosion resistant cast aluminum head with integrated knock-out baffle
- Cast Head includes tap hole guides for mounting brackets
- 50 mesh 304SS separator screen prevents large debris from entering pump
- Stainless steel float ball for emergency shut off

- 1" FPT drain
- 1/4" differential gauge ports
- Compact design for space restrictions
- Temperature Ratings:
 - Complete Assembly max: 220°F
 - See-Through bucket max: 290°F

OPTIONS

- Cast head protective coatings: Stainless steel coating, epoxy finish, Teflon finish
- Swing bolts for selected models
- Heavy duty carbon steel buckets available with 2" to 6" FPT connections
- Accessories: Vacuum gauges, valves

| Model | FPT Inlet & Outlet | DIMENSIONS - inches | | | | | Holding Capacity Gal. | Nominal SCFM Rating |
|----------|--------------------|---------------------|--------|--------|--------|----|-----------------------|---------------------|
| | | A | B | C | D | E | | |
| STS-200C | 2" | 16 1/4 | 14 1/4 | 9 | 12 1/2 | 22 | 2.15 | 290 |
| STS-250C | 2-1/2" | 16 1/4 | 14 1/4 | 9 | 12 1/2 | 22 | 2.15 | 290 |
| STS-300C | 3" | 19 3/4 | 17 | 13 1/2 | 14 | 25 | 3.5 | 570 |
| STS-400C | 4" | 19 3/4 | 17 | 13 1/2 | 14 | 25 | 3.5 | 570 |

