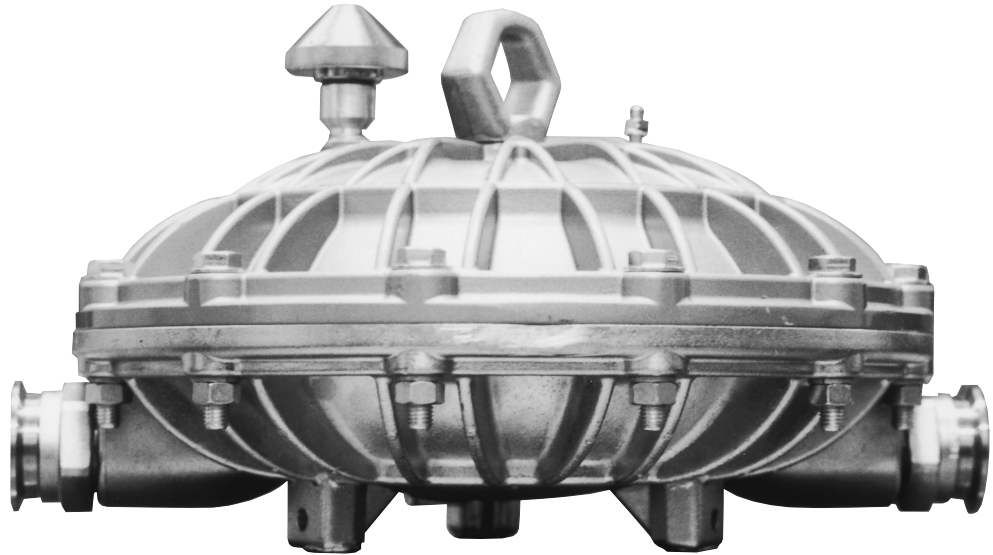




First choice when quality counts.™

Surge Tanks High-Flo® Series



COMPONENTS

New and improved SST High-Flo surge suppressors

- Improved pressure pulse control
- Ideal solution for closed-loop fluid control automation systems
- Reliable and long-lasting gas-charge method
- Improved flushability
- Fully waterborne compatible
- Eliminates high-frequency “hydraulic hammer” pulsation unlike competitive models
- Optional adapters to fit varied global needs

Graco’s new surge suppressor is designed to provide added stability in a circulation system. By controlling the pulsation of fluid, the surge suppressor keeps the pressure in the system even. This reduces wear on the system and helps to keep the paint circulation efficient. At the point of application, the flow rate will be uniform, giving the user a smooth, even film thickness. With the “flow through” design, flushing for color changes is not only faster but more complete. With improved sealing design, the surge suppressor reduces charge pressure leakage, thus eliminating the need for frequent recharging.

Typical Fluids Handled

- Waterborne paints
- Solventborne paints
- Metallic mica paints
- Commonly used solvents
- High solids paints

Typical Applications

- Circulation systems using reciprocating piston pumps
- Circulation systems with flow rates up to 20 gpm (76 lpm) and pressure up to 300 psi (2.1 MPa, 21 bar)
- Automated systems with closed-loop fluid control
- Manual application circulation systems

Technical Specifications

Max. fluid inlet pressure	300 psi (2.1 MPa, 21 bar)
Max. gas charge pressure	300 psi (2.1 MPa, 21 bar)
Wetted parts	304 & 316 stainless steel, Teflon®
Weight	60 lb (27 kg)
Max. operating temperature	120°F (50°C)
Max. flow rate*	20 gpm (76 lpm)
Instruction manual	307-707

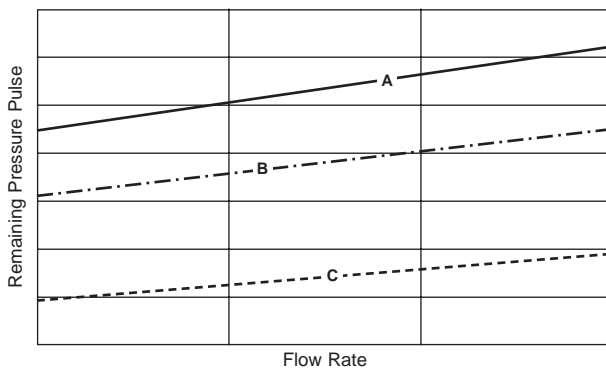
Teflon® is a registered trademark of Du Pont.

Tri-Clamp® is a registered trademark of Tri-Clover Inc.

* Maximum flow rates are recommended maximums for peak performance.

Exceeding these values reduces the surge tank's ability to dampen pulsation.

Surge Tank Performance



Key:
 A = Leading Competitor
 B = Existing Graco High-Flo Surge Tank (218-509)
 C = New Graco High-Flo Surge Tank (238-983/985)

Ordering Information

Surge Tanks: High-Flo Series

All are electropolished SST

- 238-983** Inlet/outlet: 2 npt(f).
- 238-984** Inlet/outlet: 2 in. sanitary.
Tri-Clamp® compatible.
- 238-985** Inlet/outlet: 1.5 in. sanitary.
Tri-Clamp® compatible.

Accessories

- 238-875** Diaphragm Repair Kit
- 961-874** Charging Kit (*special order only*)
Includes two wheel cart for high pressure nitrogen bottle, regulator and gauge, hose and chuck.
- 218-742** Surge Tank Stand Kit
For the high volume, High-Flo Series of pumps and all High-Flo Surge Tanks. Weight: 34 lb (15 kg).
- Fluid Supply Hose**
Max. working pressure: 500 psi (3.5 MPa, 35 bar)
Diameter: 1 in. (25.4 mm). Coupled: 1-11 1/2 npt(mbe).
 - 220-997** Length: 24 in. (610 mm)
 - 214-959** Length: 6 ft. (1.8 m)
- 222-011** Grounding Clamp and Wire
12 ga, 25 ft. (7.6 m) wire

Accessory Inlet/Outlet Fittings

Non-standard thread. Use Graco-approved fittings only.

- 107-078** Fitting O-ring.
(1 required with each inlet/outlet fitting).
- 187-091** 1 npt(f)
- 187-150** 1-1/2 npt(f)
- 191-771** 2 npt(f)
- 188-286** 1-1/2 sanitary (Tri-Clamp compatible)
- 187-004** 2 sanitary (Tri-Clamp compatible)

Adapter Fittings and Connection Components

All are Tri-Clamp® compatible

- 187-093** 1 npt(f) x 2 sanitary.
- 187-092** 1-1/2 npt(f) x 2 sanitary
- 515-463** Sanitary fastener clamp
- 515-465** Gasket for sanitary clamp

Dimension Drawing

