



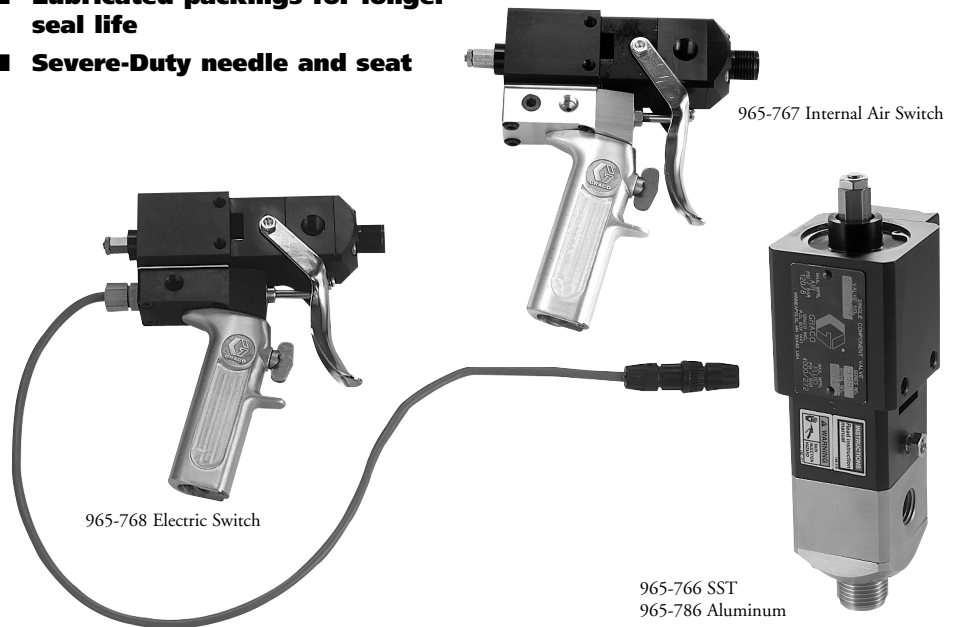
First choice when quality counts.™

1K Ultra-Lite™

Precision Dispense Valve for Quality Bead Laying

- Eliminates snake-head and material drip
- Adjustable forward travel to reduce material surge
- Manual and automatic versions available.
- Pistol grip version provides pilot on/off signal to control pump
- Replace caulking tubes and produce a quality bead with less operator fatigue.
- Lubricated packings for longer seal life
- Severe-Duty needle and seat

For dispensing a wide variety of 1K sealants and adhesives



SEALANT ADHESIVE EQUIPMENT

Graco's 1K Ultra-Lite air-operated snuff back dispense valve applies a bead of sealant and adhesive material without snake-heads and material drip. Using air, it produces a quality bead with less operator fatigue. Ideal for replacing caulking tubes in applications such as sealing railcars, marine containers, and truck trailers.

Available in both manual and automatic versions. The pistol grip gun provides a pilot on/off signal to control the pump and reduce material surge. The automatic valves are ideal for bead laying with robot or automatic XY tables for product assembly in wood, window, and door manufacturing.

The Graco 1K Ultra-Lite dispense valve is designed to be part of a total solution for the bead laying of single component materials when used in conjunction with our Check-Mate priming piston pumps.

Typical Fluids Handled

- Epoxies
- Urethanes
- Silicones
- Butyl
- Polysulfides

Typical Applications

- Railcar sealing
- Product assembly in wood, window, and door
- Automatic bead laying with robot or XY tables
- Replace caulking tubes for quality bead application with minimal operator fatigue
- Truck trailer sealing
- Marine container sealing

Technical Specifications

Max. fluid pressure 4000 psi (28 MPa, 276 bar)
Max. cylinder air pressure 120 psi (0.84 MPa, 8.4 bar)
Air inlets (open and close ports) 1/8 npt(f)
Fluid inlet 1/4 npt(f)
Fluid outlet 1/4 npt(f) and 3/4-16 unf(m)
Fluid viscosity range 20 cps to 1 million cps
Snuffer action fluid section isolation chamber
 with Zirk fittings

Divorced air cylinder dual piston cylinder, EP O-rings
Weight

Aluminum 1.43 lbs (0.65 kg)
SST 2.07 lbs (0.94 kg)
Handle kit 0.77 lbs (0.35 kg)

Wetted parts

Aluminum aluminum, 303 SST, 17-4 ph SST,
 C2 carbide, hard chrome, ethylene propylene,
 Parker Polymite™, Du Pont Teflon®
SST 303 SST, 17-4 ph SST, C2 carbide, hard chrome,
 ethylene propylene, Parker Polymite™, Du Pont Teflon®

Severe-Duty components:

shaft hard chrome over 303 SST
snuffer needle hardened 440-C SST
seat reversible, solid C2 carbide inserts
shaft seal, standard high density Parker Polymite
shaft seal, optional Teflon

Instruction manual 308-876

Teflon® is a registered trademark of Du Pont

Polymite® is a registered trademark of Parker.

Ordering Information

1K Ultra-Lite Dispense Valve

965-766 Machine Mount
 SST wetted parts
965-786 Machine Mount
 Aluminum wetted parts
965-767 Hand-held Valve with Internal Air Switch
 Aluminum wetted parts
965-768 Hand-held Valve with Electric Switch
 for Remote Operation
 Aluminum wetted parts

Accessories

Fluid Nozzles

Zinc-plated steel, 1/8 npt*.

Part No.	Orifice	Length
607-665	0.125 in. (3.17 mm)	2 in. (51 mm)
161-505	0.09 in. (2.28 mm)	2 in. (51 mm)
164-799	0.055 in. (1.39 mm)	2-1/8 in. (54 mm)

Nozzles for use with flange nut (188-253).

Part No.	Orifice	Length
C00-005	0.187 in. (4.75 mm)	1.656 in. (42 mm)
C00-007	0.093 in. (2.36 mm)	2 in. (51 mm)
C00-008	0.250 in. (2.28 mm)	2 in. (51 mm)
C00-009	0.172 in. (4.37 mm)	2 in. (51 mm)
C00-010	0.062 in. (1.57 mm)	2 in. (51 mm)
C00-011	0.375 in. (9.53 mm)	2 in. (51 mm)
C00-012	0.156 in. (3.96 mm)	2 in. (51 mm)
C00-013	0.046 in. (1.17 mm)	2 in. (51 mm)
C00-014	0.031 in. (0.79 mm)	2 in. (51 mm)

* Requires a 1/8 npt(f) bushing. Order nozzle bushing (168-683) below.

168-683 Nozzle Bushing
 Zinc-plated steel, 1/8 npt

Kits

949-631 Conversion Kit
 Pneumatic 4-way valve with housing, handle, and trigger and other parts necessary to convert 965-766 to a hand-held valve.

949-632 Conversion Kit
 Electric switch style handle kit to convert 965-766 to a hand-held valve.

570-267 Seal Kit
 Polymite main packing (standard)

570-268 Rebuild Kit
 Polymite main packing (standard)

570-299 Seal Kit
 Teflon main packing (optional)

570-300 Rebuild Kit
 Teflon main packing (optional)