



First choice when
quality counts.™

Automatic Dispense Valves

- **Automatic valves use ball needle/seat design for longer life and fast shut-off of material**
- **Available in a variety of sizes and pressure ranges to fit your application requirements**
- **Double acting valves ensure fast cycling and positive shut-off**

Graco offers you many ways of dispensing sealants and adhesives automatically using automatic dispensing valves. These all-metal, air signal actuated dispense valves complement a wide range of materials. Mounting holes are included in the valve design for attaching them to your equipment.

These models will help you select the right valve for your particular application needs. They are available as extrusion and spray valves.

**Automated
Dispensing of
sealants and
adhesives with
air-operated
fluid valves**

Typical Automated Applications

- Structural bonding
- Anti-flutter mastic
- Glass bonding
- Interior/exterior seam sealing
- Underbody/rocker spray coating

Typical Fluids

- Epoxy
- PVC
- Urethane
- Sealants
- Adhesives



918-539

SEALANT ADHESIVE EQUIPMENT

Automatic Dispense Valves

918-533 Ambient Extrusion Valve, 1/4 npt(f)

Typical Application:
extruding sealer; anti-flutter mastic

The round body design of this valve allows multiple mounting options for robotic and automated applications. This valve accepts a yoke style bracket or 3/8 in. (10 mm) diameter rod. The one-piece body ensures repeatability in nozzle positioning when removing and reinstalling the dispense valve. The nozzle and seat are all metal construction for long life dispensing low abrasive materials. The valve accepts a wide variety of threaded extrusion nozzles.

Maximum working pressure	4000 psi (27.6 MPa, 276 bar)
Material inlet	1/4 npt
Air inlet	1/8 npt
Wetted parts	stainless steel, aluminum, Viton®
Repair kit	918-534
Instruction manual	310-549

Viton® is a registered trademark of Du Pont.



918-537 Automatic Dispense Valve, 1/2 npt(f)

Typical Application:
dispense valve for automatic depressurization

The body of this fluid valve is slotted to mount to a 3/4 in. (19 mm) square bar using two 1/4 in. socket head screws. The valve's large porting design allows high flow rate of viscous materials such as PVC sealers and heat cure epoxy.

Maximum working pressure	5000 psi (34.5 MPa, 345 bar)
Material inlet	1/2 npt
Air inlet	1/4 npt
Wetted parts	stainless steel, aluminum, Viton
Repair kit	918-538
Instruction manual	310-550



918-539 Automatic Dispense Valve, 3/4 npt(f)

Typical Application:
applying urethane sealant to glass

The body of this fluid valve is slotted to mount to a 1 in. (25 mm) square bar using two 5/16 in. socket head screws. The valve's large porting design allows high flow rates of high viscosity materials such as urethane sealant.

Maximum working pressure	5000 psi (34.5 MPa, 345 bar)
Material inlet	3/4 npt
Air inlet	1/4 npt
Wetted parts	stainless steel, aluminum, Viton
Repair kit	918-540
Instruction manual	310-551



Automatic Dispense Valves

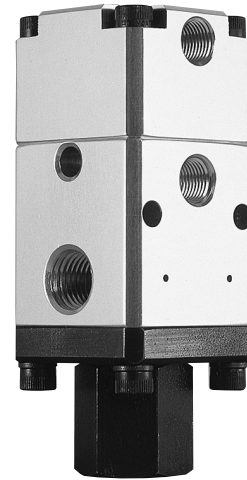
918-623

Automatic Extrusion Valve, 1/4 npt(f) outlet

Typical Application:
extruding sealer; anti-flutter mastic

The square body design of this valve allows multiple mounting options for robotic and automated applications. The one-piece body ensures repeatability in nozzle positioning when removing and reinstalling the dispense valve. The nozzle and seat are all metal construction for long life dispensing low abrasive materials. The valve accepts a wide variety of threaded extrusion nozzles.

Maximum working pressure	3700 psi (25.5 MPa, 255 bar)
Maximum air pressure	150 psi (1.03 MPa, 10.3 bar)
Maximum operating temperature	275°F (135°C)
Fluid inlet	1/4 npt(f)
Fluid outlet	1/4 npt(f)
Air inlet (2 ports)	1/8 npt(f)
Weight	0.92 lbs. (0.42 kg)
Wetted parts	aluminum, carbon steel, tungsten carbide, chrome plate, Viton rubber, thermoplastic polyester
Repair kit	918-624
Instruction manual	310-557



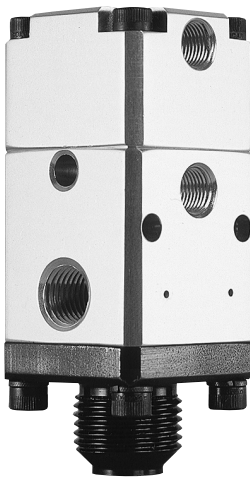
918-625

Automatic Spray Valve, 7/8-14 UNF-2A(m) outlet

Typical Application:
streaming or spraying coating materials

The square body design of this valve allows multiple mounting options for robotic and automated applications. The one-piece body ensures repeatability in nozzle positioning when removing and reinstalling the dispense valve. The nozzle and seat are all metal construction for long life dispensing low abrasive materials. The valve accepts a 7/8-14 RAC spray nozzle assembly and tip.

Maximum working pressure	3700 psi (25.5 MPa, 255 bar)
Maximum air pressure	150 psi (1.03 MPa, 10.3 bar)
Maximum operating temperature	275°F (135°C)
Fluid inlet	1/4 npt(f)
Fluid outlet	7/8-14 UNF-2A(m)
Wetted parts	aluminum, carbon steel, tungsten carbide, chrome plate, Viton rubber, thermoplastic polyester
Repair kit	918-626
Instruction manual	310-557



Additional Automatic Dispense Valves

12000 Series Base Seal Dispensing Valves

(Nozzle not included)



C27-151

- C27-151 Single, Air-Actuated Valve
- C27-146 Seal Repair Kit
- C27-340 Double, Air-Operated Valve
Material inlet: 1/2 in. (12.6 mm)
- C27-342 Seal Repair Kit

12000 Series Base Seal Dispensing Valves

(Nozzle included)



C27-142
Tip Seal® Dispense Valve

- C27-142 Single, Air-Actuated Valve
Orifice nozzle: 0.093 in.
- C27-146 Seal Repair Kit
- C27-145 Double, Air-Operated Valve
Orifice nozzle: 0.093 in.
- C27-144 Seal Repair Kit
- C27-143 Double, Air-Actuated Valve
Orifice nozzle: 0.187 in.
- C27-144 Seal Repair Kit

Automatic Dispense Valve for Non-Abrasive Material

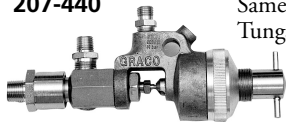
205-435



Max. working pressure: 3000 psi (21.0 MPa, 210 bar). Air controlled. 400 Series SST wetted parts. Orifice tip: 1/8 in. (3.1 mm). Other tips available from 1/16 to 1/3 in. (1.5 to 8.4 mm). Fluid inlet: 3/8 npt(m). Optional fluid inlet (plugged): 1/4 npt(f). Air inlet: 1/4 npsm(m). Fluid outlet: 3/8 npt(m). Includes 0.125 in. (3.1 mm) tip and needle. Instruction Manual: 306-715.

Automatic Dispense Valve for Abrasive Material

207-440



Same as 205-435 except with Tungsten carbide ball and valve.

Automatic Snuffer Valves

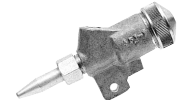
C05-225 Single, Air-Actuated Valve

Orifice nozzle: 0.125 in. Aluminum.

C05-225 Seal Repair Kit

C05-227 Same as C05-225 except with steel body.

C05-226 Seal Repair Kit



C05-225

Nozzle Mounted Gun for Automation

C27-132 Double, Air-Operated Valve

Orifice nozzle: 0.116 in. Viton seals.

C27-133 Seal Repair Kit

C27-130 Double, Air-Operated Valve

Orifice nozzle: 0.25 in. EP seals.

C27-131 Seal Repair Kit

C27-134 Same as C27-130 except with Viton seals.

C27-135 Seal Repair Kit

C27-162 Double, air-operated valve

Inlet and outlet: 3/8 in. Abrasive resistant.

C27-163 Seal Repair Kit

Automatic Dispensing Valve

205-612 Air controlled. Same as 205-435 except with 400 Series SST wetted parts. Less tip and needle.

Tips for Dispensing Valve (205-612)

Must be ordered separately.

Tip No.	Orifice Diameter
164-746	0.062 in.
164-747	0.125 in.
164-748	0.187 in.
164-749	0.250 in.
164-750	0.312 in.