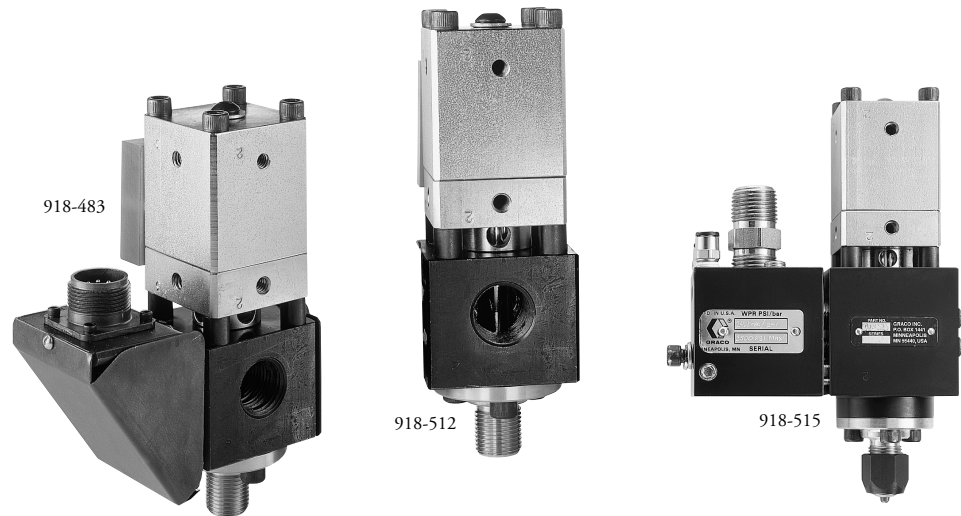




First choice when quality counts.™

Automatic Snuff Back Dispensing Valves



**Easily mounted
snuff back
dispense valves
for precise
dispensing**



- **Snuff back design pulls material back into dispense tips during shut off**
- **Reduces material stringing after closing dispense valve**
- **Fast shut off and starts for dispensing fluids**
- **Robotic, pedestal, automation or in-line applications**
- **Ideal for cohesive materials such as epoxy or silicone-based**

Graco offers the automotive industry multiple ways of dispensing adhesives using an automatic snuff-back valve. These models will help you select the right valve for your particular application needs. They are available as streaming, spray or extruding valves. These all-metal, double-acting air-operated dispense valves complement a wide range of materials. Mounting holes are included in the valve design for attaching them to your equipment.

Please refer to Data Sheet 305-562 for additional Automatic Dispense Valves.

Typical Applications

- Robot-mounted applicators
- Pedestal-mounted valves
- Automated sealing and bonding

Typical Fluids Handled

- PVC sealers
- Epoxy
- Structural adhesives
- Most industrial fluids

SEALANT ADHESIVE EQUIPMENT

Automatic Snuff Back Dispense Valves from Graco



918-512 Ambient Snuff Back Extrude/Streaming Valve

Typical Application:
streaming adhesives

This unique valve is designed for streaming most low-to-medium viscosity materials up to 350,000 cps. The square body valve is divorced design and easily mounts to a bracket for interfacing to robot wrists, pedestal mounts and automation fixtures. The cylinder is double acting and spring loaded for fail-safe closing requirements. The nozzle seal is elastomeric for easy maintenance and long life with low abrasive materials. Includes 1/8 npt(f) nozzle adapter. With the addition of a streaming tip adapter (617-585) and tip, this valve is adaptable for streaming.

969-535 Ambient Snuff Back Extrusion Valve

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.



Automatic Snuff Back Dispense Valves from Graco (cont'd)



918-637 Temperature Conditioned Snuff Back Extrude/Stream Dispense Valve

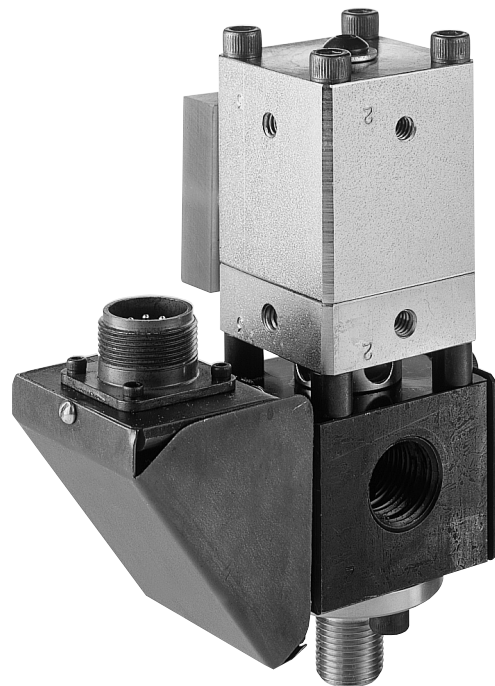
Typical Application:
streaming or extruding adhesives

This unique valve is designed for streaming or extruding most low-to-medium viscosity materials up to 350,000 cps. The square body valve is divorced design and easily mounts to a bracket for interfacing to robot wrists, pedestal mounts, and automation fixtures. The valve includes the manifold (Part No. 918-525) which is used for mounting to the automation bracket, routing the temperature conditioning tubing, and allows easy removal of the dispense valve. The cylinder is double-acting and spring-loaded for fail-safe closing requirements. The nozzle seal is elastomeric for easy maintenance and long life with low abrasive materials. Must order 1/8 npt(f) extrusion nozzle adapter (C32-089) or streaming tip adapter (617-585) and tip (270-xxx).

918-483 Heated Snuff Back Extrude/Stream Dispense Valve

Typical Application:
extruding and streaming heated adhesives

This unique valve is designed for extruding most low-to-medium viscosity hot melt materials up to 350,000 cps. The square body valve is divorced design and easily mounts to a bracket for interfacing to robot wrists, pedestal mounts and automation fixtures. The cylinder is double acting and spring loaded for fail-safe closing requirements. The nozzle seal is elastomeric for easy maintenance and long life with low abrasive materials. Includes 1/8 npt(f) nozzle adapter. With the addition of a streaming tip adapter (617-585) and tip (270-xxx), this valve is adaptable for streaming.



Technical Specifications

Part No.	918-512	969-535	918-637	918-483
Max. fluid working pressure	3000 psi (2.1 MPa, 21 bar)	4000 psi (27.5 MPa, 275 bar)	3500 psi (24.1 MPa, 241 bar)	3500 psi (24.1 MPa, 241 bar)
Max. air working pressure	150 psi (1 MPa, 10 bar)	150 psi (1 MPa, 10 bar)	150 psi (1 MPa, 10 bar)	150 psi (1 MPa, 10 bar)
Material inlet	1/2 npt(f)	1/4 npt(f)	1/2 npt(f)	1/2 npt(f)
Material outlet	1/8 npt(f) and 3/4-16 (m)	3/416 (m)	extrude nozzle or stream tip	extrude nozzle or stream tip
Air cylinder ports	(2) 1/8 npt(f)	(2) 1/8 npt(f)	(2) 1/8 npt(f)	(2) 1/8 npt(f)
Temperature conditioning inlet	NA	NA	(1) 1/4 npt(f)	NA
Temperature conditioning outlet	NA	NA	(4) 1/8 npt(f)	NA
Weight	4 lbs. (1.8 kg)	1.5 lbs. (0.68 kg)	4.4 lbs. (2 kg)	4 lbs. (1.8 kg)
Temperature	140°F (60°C)	140°F (60°C)	140°F (60°C)	400°F (205°C)
Fail-safe spring	Yes	No	Yes	Yes
Height	6.3 in. (160 mm)	5.19 in. (131.8 mm)	6.91 in. (175 mm)	6.0 in. (152 mm)
Width	1.75 in. (44 mm)	2.2 in. (55.9 mm)	2.25 in. (57.2 mm)	4.5 in. (114 mm)
Depth	2 in. (51 mm)	Round	4.62 in. (117.5 mm)	2.1 in. (53 mm)
Wetted parts	SST, Aluminum, UHMWPE, Viton, Brass, Hytrel	CS, Aluminum, Polymite, Viton	SST, Aluminum, UHMWPE, Viton, Brass, Hytrel	SST, Aluminum, Teflon, Viton, Brass
Mounting	(2) 1/4-20 holes	(3) #10-24 holes (1) 3/8 in. (9.5 mm) dia. rod	(4) 1/4-20 holes	(2) 1/4-20 holes
Sensor	NA	NA	(1) 1/8 npt(f) port	100 ohm, RTD
Heater	NA	NA	NA	150 watt, 120 volt
Instruction manual	310-541	310-549	310-539	310-538
Repair Kits and Parts	See 310-541 Stream Tip Adapter: 617-585 Stream Tips: 270-xxx Repair Kit: 918-524	Seat: 918-536 and 617-655 Nozzle Adapter: C32-089 Stream Tip Adapter: 617-585 Stream Tips: 270-xxx Repair Kit: 918-536	Valve: 918-523 Needle: 918-514 Manifold: 918-524 Repair Kit: 918-524	Needle: 918-520 and 918-471 Heater: C31-034 Sensor: C32-255 Repair Kit: 918-520

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