

Gun Air Shutoff Kit

310745 Rev.A

Part No. 234928

100 psi (0.7 MPa, 7 bar) Maximum Working Pressure

For use with ProMix™ II system



Read warnings and instructions.





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PROVEN QUALITY. LEADING TECHNOLOGY.

Warnings

The following warnings include general safety information for this equipment. More specific warnings are included in the text where applicable.

 WARNING	
	<p>FIRE AND EXPLOSION HAZARD</p> <p>Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> • Use and clean equipment only in well ventilated area. • Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static arc). • Keep work area free of debris, including solvent, rags and gasoline. • Do not plug or unplug power cords or turn lights on or off when flammable fumes are present. • Ground equipment, personnel, object being sprayed, and conductive objects in work area. See Grounding instructions. • Use only Graco grounded hoses. • Check gun resistance daily.* • If there is static sparking or you feel a shock, stop operation immediately. Do not use equipment until you identify and correct the problem. • Do not flush with gun electrostatics on. Do not turn on electrostatics until all solvent is removed from system.*
	<p>EQUIPMENT MISUSE HAZARD</p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> • Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals. • Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. • Check equipment daily. Repair or replace worn or damaged parts immediately. • Do not alter or modify equipment. • For professional use only. • Use equipment only for its intended purpose. Call your Graco distributor for information. • Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. • Do not use hoses to pull equipment. • Comply with all applicable safety regulations.
	<p>PERSONAL PROTECTIVE EQUIPMENT</p> <p>You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes but is not limited to:</p> <ul style="list-style-type: none"> • Protective eyewear • Clothing and respirator as recommended by the fluid and solvent manufacturer • Gloves • Hearing protection



* When using electrostatic gun.

Usage

The Gun Air Shutoff Kit is for use with the ProMix™ II electronic proportioner systems to automatically shut off the gun atomizing air when the ProMix™ II starts a purge or color change sequence. The kit is **not** for use with systems that include the gun flush box option.

Installation

⚠ WARNING

For Electrostatic Guns:

- Read warnings, page 2.
- Follow the warnings in your electrostatic gun manual.

The kit includes a solenoid, air piloted shutoff valve, and the tubing and fittings required for installation.

Location

Locate the atomizing air shutoff valve in a convenient location between the ProMix™ II Smart Fluid Panel and the spray area, but far enough away from possible application over-spray.

Install Solenoid

1. Turn off EasyKey™ Display power, and shut off power at main circuit breaker.
2. Remove Smart Fluid Panel (A) cover.
3. Remove blank plate at gun flush box solenoid (3) location, and install the solenoid valve (3).
4. Connect solenoid wires to terminals as shown in FIG. 1.
5. Remove air manifold plug from row B (marked on manifold) and install tube fitting connector (4). FIG. 2.

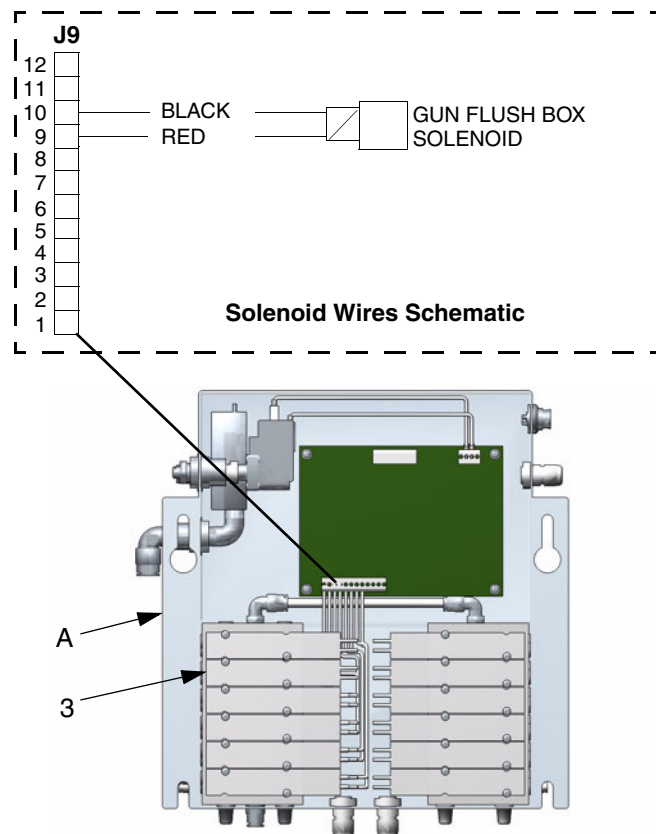


FIG. 1

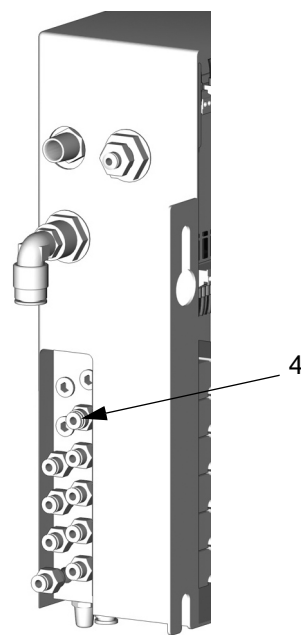
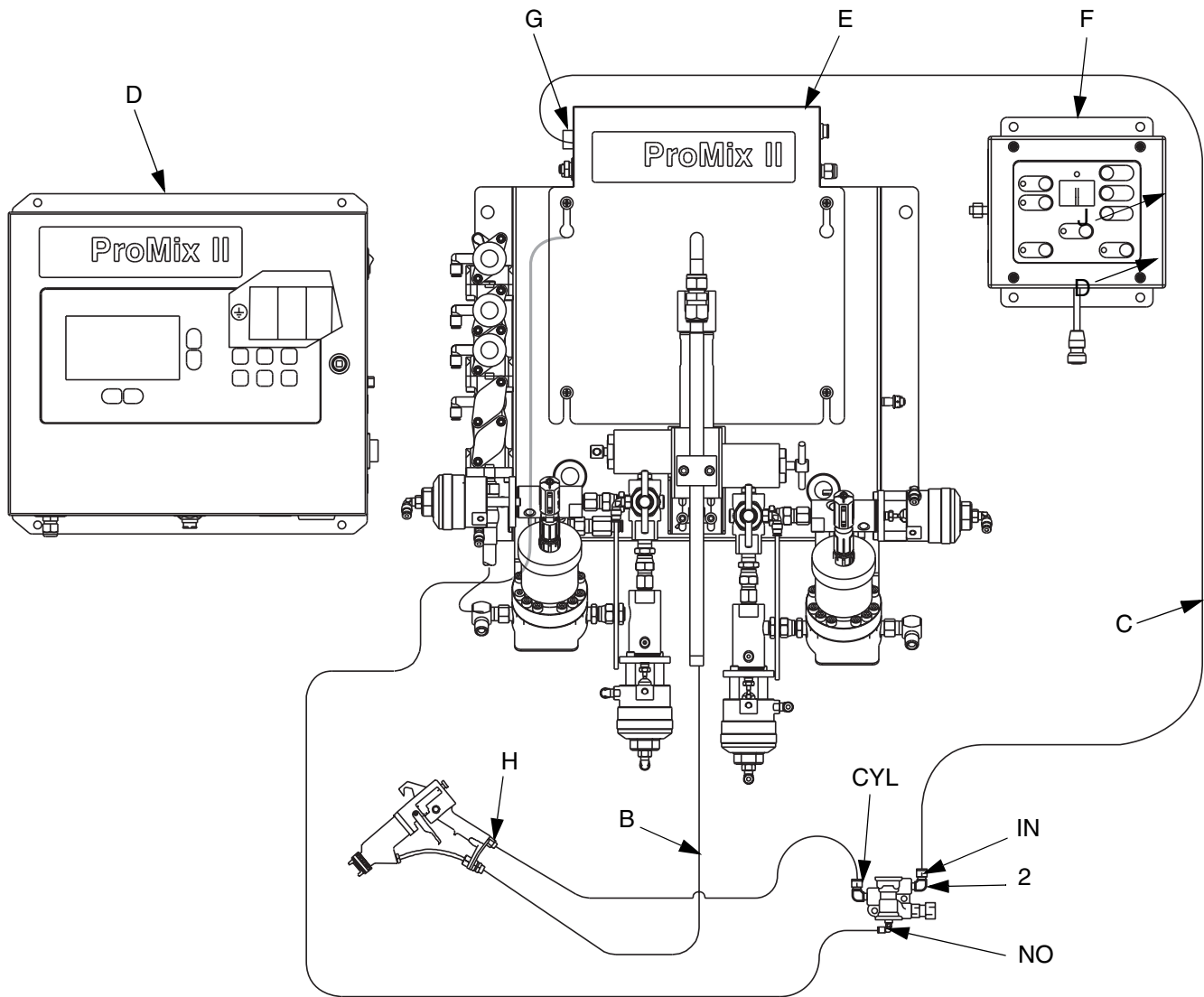


FIG. 2



Key:

- B Fluid Supply to Gun
- 2 Atomizing Air Shutoff Valve
- C Atomizing Air Supply
- D EasyKey™ Display
- E ProMix™ II Smart Fluid Panel
- F ProMix™ II Operator Station
- G ProMix™ II Air Flow Switch
- H Gun Air Inlet

- IN Shutoff Valve In Port
- CYL Shutoff Valve Out Port to Gun
- NO Shutoff Valve Port to Solenoid

FIG. 3: Typical Installation

Install Atomizing Air Shutoff Valve

1. Mount the shutoff valve (2) securely. FIG. 4.
2. Connect the gun atomizing air from the ProMix™ II air flow switch (G) to the shutoff valve in (IN) port. FIG. 3.
3. Connect an air line from the shutoff valve out (CYL) port to the gun air inlet (H).

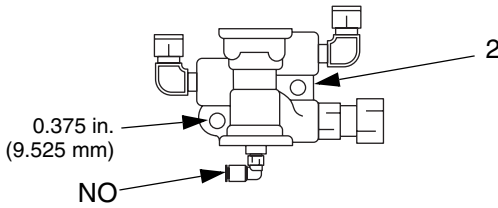


FIG. 4

Connect Pneumatic Controls Tubing

You must connect safety interlock air to prevent atomizing air from turning on during flushing.

Connect the tubing (1) from the solenoid outlet port (4 - FIG. 2) to the atomizing air shutoff valve solenoid port (NO - FIG. 3).

Use 50 ft. (15 m) 5/32" (4 mm) OD tubing included.

Operation

Follow the operating instructions in the ProMix™ II Operation manual.

Operation Sequence

During normal ProMix™ II mix and standby modes, the solenoid (4) supplies air pressure to the gun air shutoff valve and atomizing air is supplied to the gun.

When the operator starts a purge or color change sequence, the solenoid (4) shuts off, which stops the air supply to the shutoff valve solenoid port (NO).

Without air pressure, the atomizing air shutoff valve (2) closes, which shuts off the atomizing air supply to the gun.

Maintenance

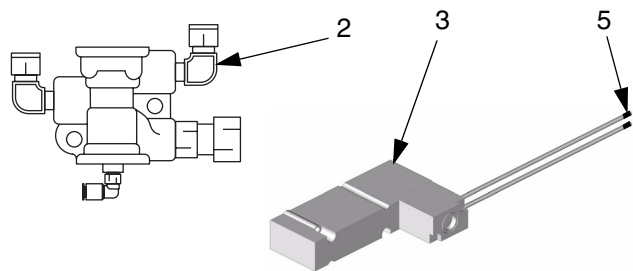
Check hoses tubes and couplings daily. Replace worn or damaged parts immediately.

Troubleshooting

Problem	Cause	Solution
Gun atomizing air is off when in standby or mix mode.	<ul style="list-style-type: none"> Air is shut off. Tubing is not installed correctly 	<ul style="list-style-type: none"> Turn on system air. Check connections, page 5.
Gun air comes on when in purge or color change mode.	<ul style="list-style-type: none"> Shutoff valve or solenoid have failed. 	<ul style="list-style-type: none"> Test and repair/replace valves.

Parts

Part No. 234928



Technical Data

Shutoff Valve Tube Fitting Sizes

Inlet.....	1/2 in. (12.7 mm) OD
Outlet	1/2 in. (12.7 mm) OD
Pilot.....	5/32 in. (4 mm) OD

Ref. No.	Part No.	Description	Qty.
1	598095	Tube, nylon, 5/32 in. OD, 50 ft. (15 m) long (not shown)	*
2	570132	Shutoff Valve	1
3	117356	Solenoid Valve, 12 VDC, IS	1
4	114263	Fitting, 1/8 npt x 5/32 tube (see FIG. 2, page 3)	1
5	112512	Wire Ferrule	2

* Order length needed.

Graco Information

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.
Phone: 612-623-6921 **or Toll Free:** 1-800-328-0211 **Fax:** 612-378-3505

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
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