

249076 Auto Flush Kit

310800 Rev.C

To provide automatic flushing of ProMix Easy proportioner.

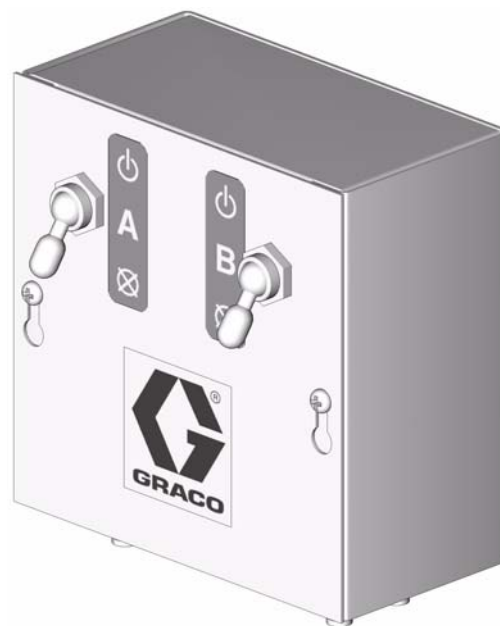
100 psi (0.7 MPa, 7 bar) Maximum Air Input Pressure



Important Safety Instructions

Read all warnings and instructions in this manual.
Save these instructions.

Read all warnings and instructions in ProMix Easy Operation manual 309908 and in Dispense Valve manual 310655



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Installation

Mount Auto Flush Control Box

1. Locate the auto flush control box near the spray area. If your installation requires more tubing (4) than supplied, ensure that it is solvent compatible.
2. Mark the wall at a convenient height for the operator, using the mounting holes on the back of the control box as a template. See FIG. 1. Ensure that the box is level.
3. Drill 1/4 in. (6 mm) diameter mounting holes. Secure with bolts of sufficient length.

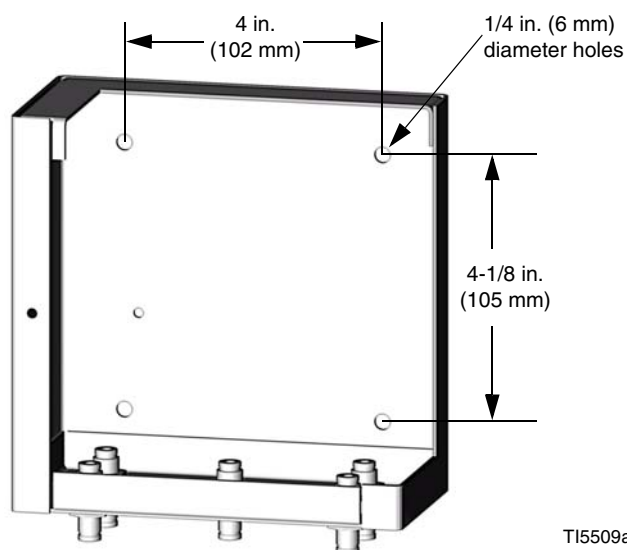


FIG. 1. Mount Control Box

Ground Control Box

1. Attach a ground wire (Y) to the ground clamp (6) on the bottom of the control box. Connect the other end of the ground wire to a true earth ground.

System Setup

1. See FIG. 2. Install air regulators (A) and bleed-type air shutoff valves (B) in the air line drops for the auto flush control box (C) and solvent pump (D).



Control box air inlet pressure must not exceed 100 psi (0.7 MPa, 7 bar).

2. Install the solvent flush pump in your solvent supply container. FIG. 2 shows a 55 gal. (200 liter) drum.

Install Dispense Valves



WARNING



To reduce the risk of fluid injection, which can result in serious injury, including amputation, relieve system pressure as instructed in the proportioner operation manual 309908 before installing kit.



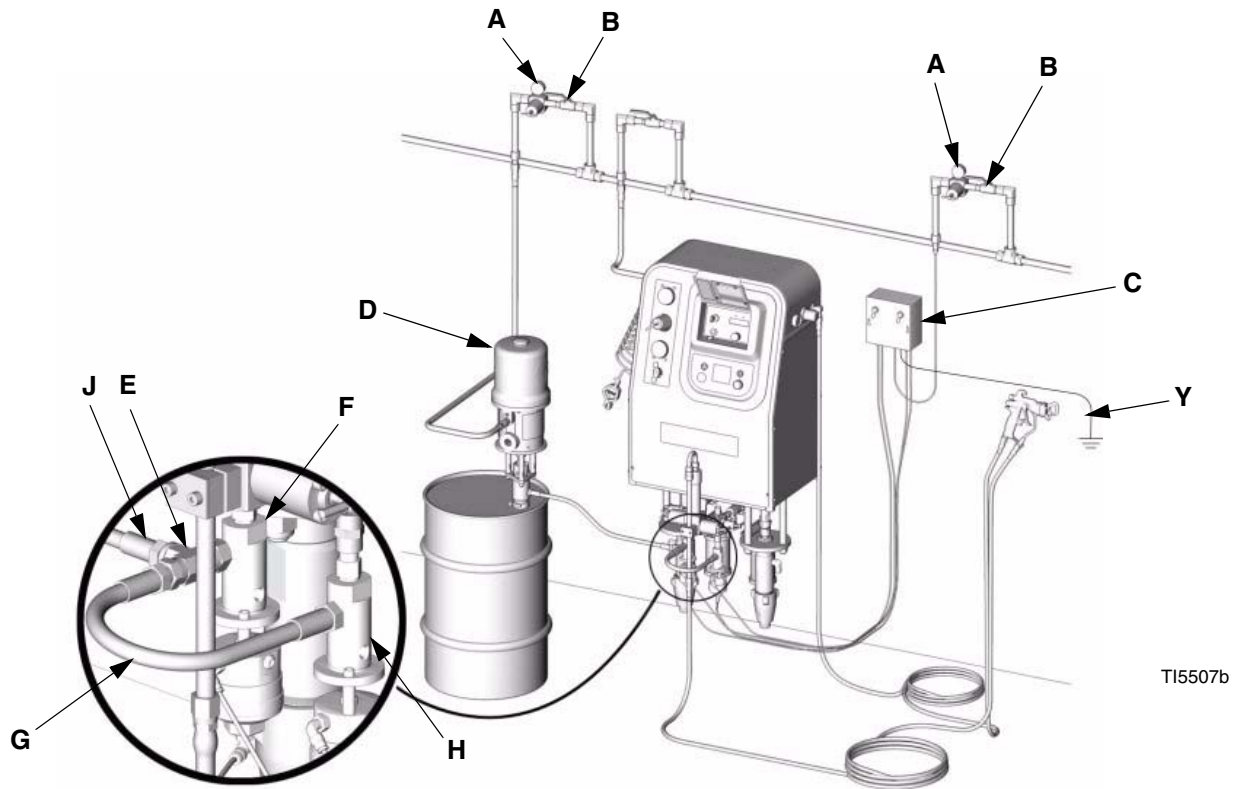
Use pipe sealant on all pipe threads. Tighten fittings fully.

1. Flush fluid system. Relieve entire system pressure (see proportioner operation manual).
2. Remove solvent purge valves from mix manifold. Install dispense valves (2) in their place. See FIG. 3.

Key:

- A Air regulator
- B Bleed-type air shutoff valve
- C Auto flush control box
- D Solvent pump (10:1 President shown)
- E Tee


- F Component A Dispense Valve
- G Short Solvent Hose
- H Component B Dispense Valve
- J Solvent Supply Line
- Y Ground Wire



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FIG. 2. System Setup

Connect Air Lines

 Kit includes 30 ft (9.15 m) of tubing (4). Cut to necessary lengths. If your installation requires more tubing than supplied, ensure that it is solvent compatible. Tubing inside box is already connected.

1. Cut one length of tubing (4) to connect control box air input to main air line. See FIG. 3.
2. Cut four lengths of tubing (4) to connect control box ON and OFF ports to dispense valve (2) ON and OFF ports. See FIG. 3.

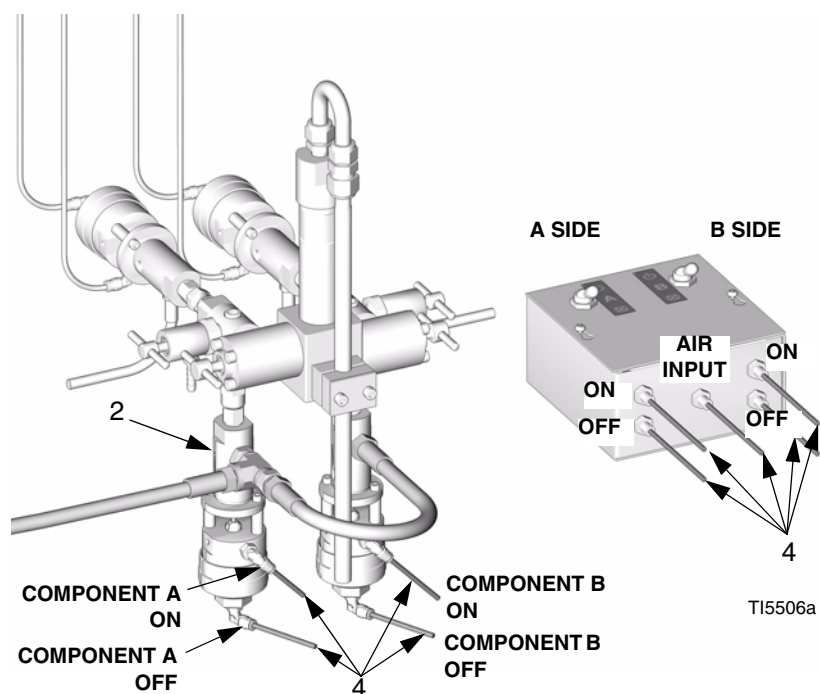


FIG. 3. Connect Air Lines

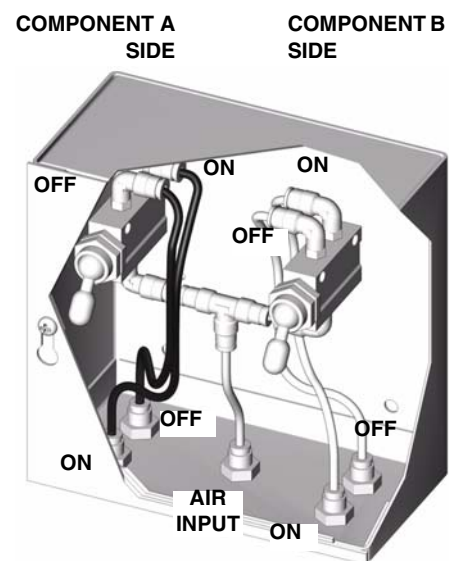
Connect Solvent Pump

WARNING



Use only solvent flush hoses rated to withstand the maximum working pressure of the solvent pump.

1. See FIG. 2. Install one end of tee (E) in fluid inlet of component A dispense valve (F). Connect a short solvent hose (G) between tee and fluid inlet of component B dispense valve (H).
2. Connect a solvent supply line (J) between solvent pump outlet and branch of tee.



Detail of Tubing Inside Control Box

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Lined area for writing or drawing, consisting of multiple horizontal lines.


Operation

WARNING



Read warnings in the ProMix Easy operation manual 309908. Flush only in a well ventilated area.

WARNING



To reduce the risk of fluid injection, which can result in serious injury, including amputation, relieve system pressure as instructed in the proportioner operation manual 309908 before flushing.

1. Press Stop button to shut off ProMix Easy.
2. Relieve pressure. Engage trigger lock. Remove spray tip.
3. Turn on solvent pump. Adjust solvent pump regulator to desired pressure; use lowest pressure possible. Do not exceed the working pressure of the component with the lowest pressure rating.

4. Turn control box component A ON/OFF switch ON.



Component A and component B sides can be flushed simultaneously, if desired.

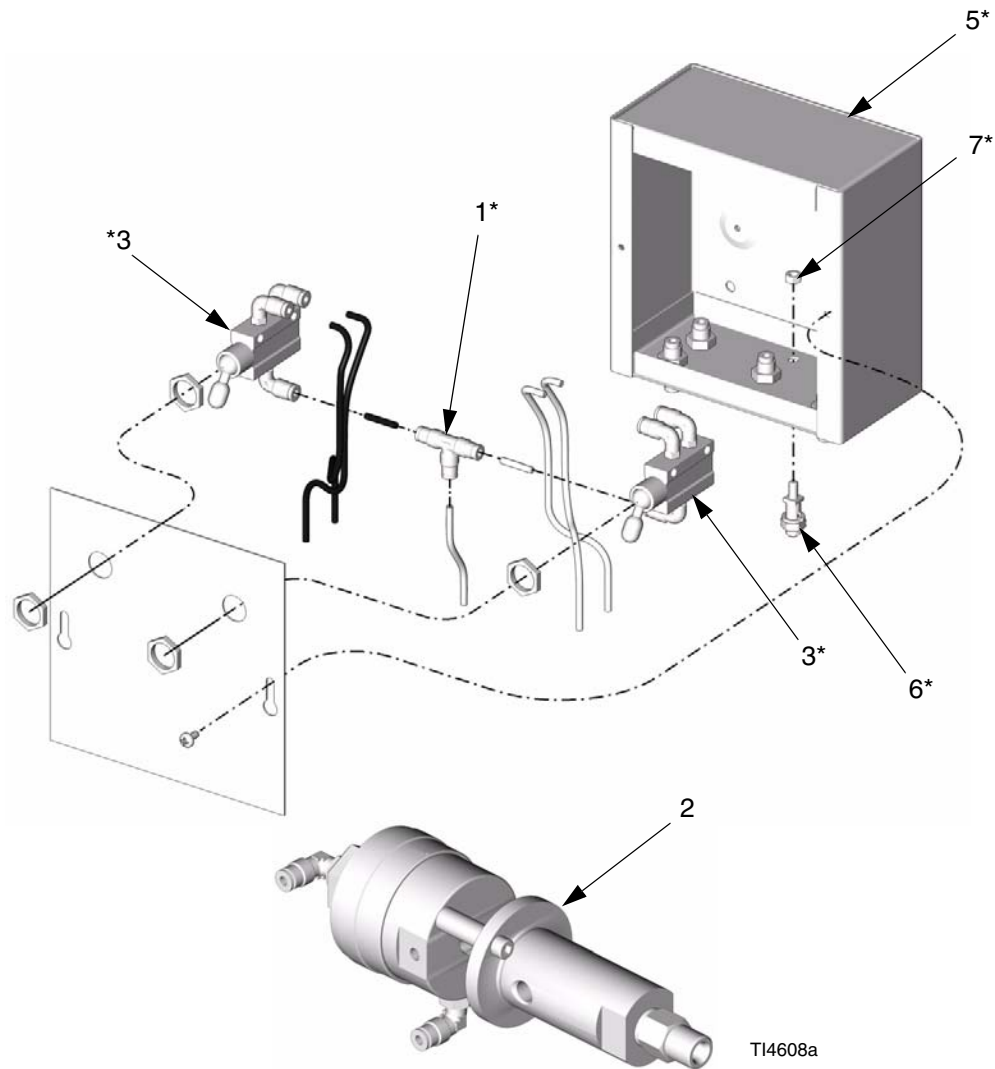
5. Disengage trigger lock and trigger gun into a grounded pail. Flush out about 1 pint (500 cc) of mixed material. Engage trigger lock. Turn control box component A ON/OFF switch OFF.
6. Turn control box component B ON/OFF switch ON.
7. Disengage trigger lock and trigger gun into a grounded pail. Flush out about 1 pint (500 cc) of mixed material. Engage trigger lock.
8. Turn control box component A ON/OFF switch ON.
9. Disengage trigger lock, and flush through gun until clean solvent flows. Engage trigger lock.



Length of flush varies by application and material.

10. Turn both control box ON/OFF switches OFF.
11. Trigger gun to relieve solvent pressure. Engage trigger lock.

Parts



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Ref. No.	Part No.	Description	Qty.
1*	15E932	TEE, tube fitting	1
2	287222	VALVE, dispense; see 310655	2
3*	15E930	VALVE, solenoid	2
4	buy locally	TUBE; nylon; 4 mm; cut to necessary lengths; not shown	30 ft
5*	15E931	CONTROL BOX, bare	1
6*	104029	CLAMP, ground	1
7*	110911	NUT, hex; ground	1

* Parts included in Control Box Kit 15E933.

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