

INSTRUCTIONS-PART LIST



309198

Rev. A



This manual contains important
warnings and information.
READ AND KEEP FOR REFERENCE.

INSTRUCTIONS

*First choice when
quality counts.™*

**TO USE AN ELECTROSTATIC SPRAY GUN WITH THE
VALUEMIX PROPORTIONER**

244018 Air Interlock Kit Accessory

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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Installation

The air interlock kit provides for safe flushing of an electrostatic spray gun when used with the ValueMix Proportioner. The kit converts the ValueMix so that when the spray/flush toggle switch is set to flush, the air supply to the electrostatic gun is shut off.

WARNING

To reduce the risk of serious injury whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure** in the ValueMix manual 309106.

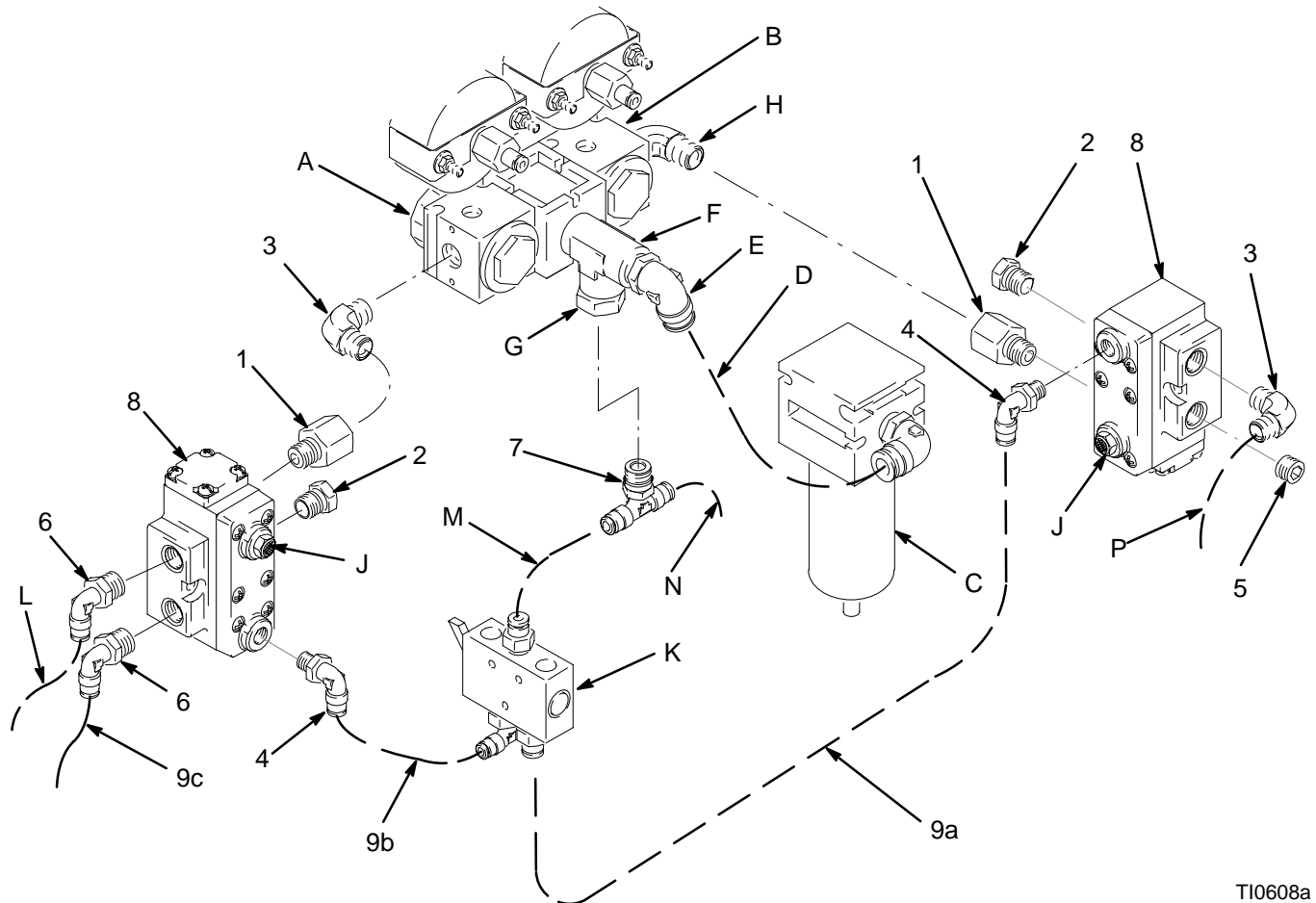
1. Relieve the pressure.
 2. Unplug the electrical power cord.
 3. Open the ValueMix cabinet. Disconnect the gun air hose (P) from the elbow (H) at the gun air regulator (B).
 4. Disconnect the air tube (N) from the elbow connected to the bushing (G) in the branch of the tee (F). Leave the other end of the tube connected to the external pilots. Remove and discard the elbow.
- NOTE:** Do not remove the other elbow (E) and main air tube (D) from the tee (F).
5. Remove the air tube (M) from the elbow at the outlet of the pump air regulator (A). Leave the tube connected to the spray/flush toggle switch (K). Remove and discard the elbow.
 6. Remove and discard the air tube connecting the spray/flush toggle switch (K) to the solvent pump.
 7. Remove the air tube (L) from the spray/flush toggle switch (K) but leave it connected to the proportioning pumps.
 8. Screw a 1/4 npt elbow (3) into the outlet port of the pump air regulator (A) so it is positioned as shown in the parts drawing.
 9. Install an adapter (1) and muffler (2) into the IN and EXH ports, respectively, of one of the solenoid valves (8). Leave the existing muffler (J) in place. Assemble a 1/8 npt elbow (4) and two 1/4 npt elbows (6) to the solenoid valve as shown in the parts drawing.
 10. Screw the adapter (1) onto the elbow (3) to attach the solenoid assembly to the pump air regulator (A).
 11. Screw the tee (7) into the bushing (G).
 12. Install an adapter (1) and muffler (2) into the IN and EXH ports, respectively, of the other solenoid valve (8). Leave the existing muffler (J) in place. Assemble a 1/8 npt elbow (4), 1/4 npt elbow (3), and pipe plug (5) to the solenoid valve as shown in the parts drawing.
 13. Screw the adapter (1) onto the elbow (H) at the outlet of the gun air regulator (B).
 14. Connect the existing tubing as follows:
 - a. Connect the free end of tube (N) from the external pilots to the tee (7).
 - b. Connect the free end of tube (M) from the spray/flush toggle switch to the tee (7).
 - c. Connect the free end of tube (L) from the proportioning pumps to the CYL A elbow (6) on the solenoid valve (8) at the pump air regulator (A).
 15. Connect new tubing as follows:
 - a. Connect tube (9a) from the elbow (4) on the gun air regulator solenoid valve (8) to the spray/flush toggle switch (K).
 - b. Connect tube (9b) from the elbow (4) on the pump air regulator solenoid valve (8) to the spray/flush toggle switch (K).
 - c. Connect tube (9c) from the CYL B elbow (6) on the pump air regulator solenoid valve (8) to the solvent pump air inlet.
 16. Connect the gun air hose (P) to the elbow (3) at the gun solenoid valve (8).
 17. Return the ValueMix to service.

Parts

Use Only Genuine Graco Parts and Accessories

Part No. 244018 Air Interlock Kit

| Ref No. | Part No. | Description | Qty | Ref No. | Part No. | Description | Qty |
|---------|----------|--|-----|---------|----------|---|--------|
| 1 | 113336 | ADAPTER, 1/4 npt (m x f) | 2 | 8 | 116126 | VALVE, solenoid, air operated | 2 |
| 2 | 112173 | MUFFLER | 2 | 9 | | TUBE, polyethylene; 5/32 in. OD; | |
| 3 | 110249 | ELBOW, 1/4 npt (mbe) | 2 | | | use for 9a, 9b, and 9c | 4.2 ft |
| 4 | 111503 | ELBOW, 90°, 1/8 npt(m) x 5/32 in. OD tube | 2 | 9a | | . TUBE, spray/flush switch to gun solenoid valve | |
| 5 | 100721 | PLUG, pipe | 1 | 9b | | . TUBE, spray/flush switch to pump solenoid valve | |
| 6 | 114469 | ELBOW, tube, 1/4 npt(m) x 5/32 in. OD tube | 2 | 9c | | . TUBE, pump solenoid valve to solvent pump | |
| 7 | 116125 | TEE, 1/4 npt(m) x 5/32 in. tube | 1 | | | | |



TI0608a

KEY TO EXISTING PARTS

The following existing parts of the ValueMix are not included in the kit.

- A Pump Air Regulator
- B Gun Air Regulator
- C Air Filter
- D Main Air Tube
- E Elbow
- F Air Manifold Tee
- G Bushing

- H Gun Air Regulator Elbow
- J 1/8 npt Muffler
- K Spray/Flush Toggle Switch
- L Air Tube to Proportioning Pumps
- M Air Tube to Spray/Flush Toggle Switch
- N Air Tube to External Pilots
- P Gun Air Hose

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