



Important Safety Instructions

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

Air Atomizer Kit

For use with Mark IV, Mark V and GMax 5900HDTexture Sprayers

External Miix Air Cap: 3300 psi (227.5 bar, 2.8 MPa) Maximum Working Pressure - Fluid/Texture Material

Internal Miix Air Cap: 800 psi (55 bar, 5.5 MPa) Maximum Working Pressure - Fluid/Texture Material

120 psi (8 bar, 0.8 MPa) Maximum Working Pressure - Air

Model 244223, Series A - without air hose

Model 244052, Series A - with air hose

WARNING



SKIN INJECTION HAZARD

Spray from leaks or ruptured components can inject fluid into your body and cause extremely serious injury, including the need for amputation. Fluid splashed in the eyes or on the skin can also cause serious injury.

- Fluid injected into the skin may look like just a cut, but it is a serious injury. **Get immediate surgical treatment.**
- Do not stop or deflect leaks with your hand, body, glove or rag.
- Follow the **Pressure Relief Procedure** below before cleaning, checking or servicing the equipment.
- Tighten all fluid connections before operating the equipment.
- Check the hoses, tubes, and couplings daily. Replace worn or damaged parts immediately. Do not repair high pressure couplings; you must replace the entire hose.
- Fluid hoses must have spring guards on both ends, to help protect them from rupture caused by kinks or bends near the couplings.
- Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use could result in a chemical reaction, with the possibility of explosion.

Pressure Relief Procedure

1. Lock gun safety latch.
 2. Turn ON/OFF switch to OFF and pressure control knob to minimum (zero).
 3. Unplug power supply cord or shut off engine.
 4. Unlock gun safety latch. Hold metal part of gun firmly to grounded metal pail. Trigger gun to relieve pressure.
 5. Lock gun safety latch.
 6. Open pressure drain valve. Leave pressure drain valve open until ready to spray again.
- If suspected that spray tip or hose is completely clogged, or that pressure has not been fully relieved after following steps above, VERY SLOWLY loosen tip guard retaining nut or hose end coupling to relieve pressure gradually, then loosen completely. Now clear tip or hose obstruction.*

Installation

1. Fig. 1. Remove two existing screws (F) from spray gun handle.
2. Install air atomizer assembly onto gun handle bracket with two screws (F)
3. Remove air hose (P) from fitting (R). Push in on fitting and pull out on air hose.
4. Install air atomizer head (D) to spray gun (B).
5. Push air tube (P) into 90° swivel elbows (R) and (K).

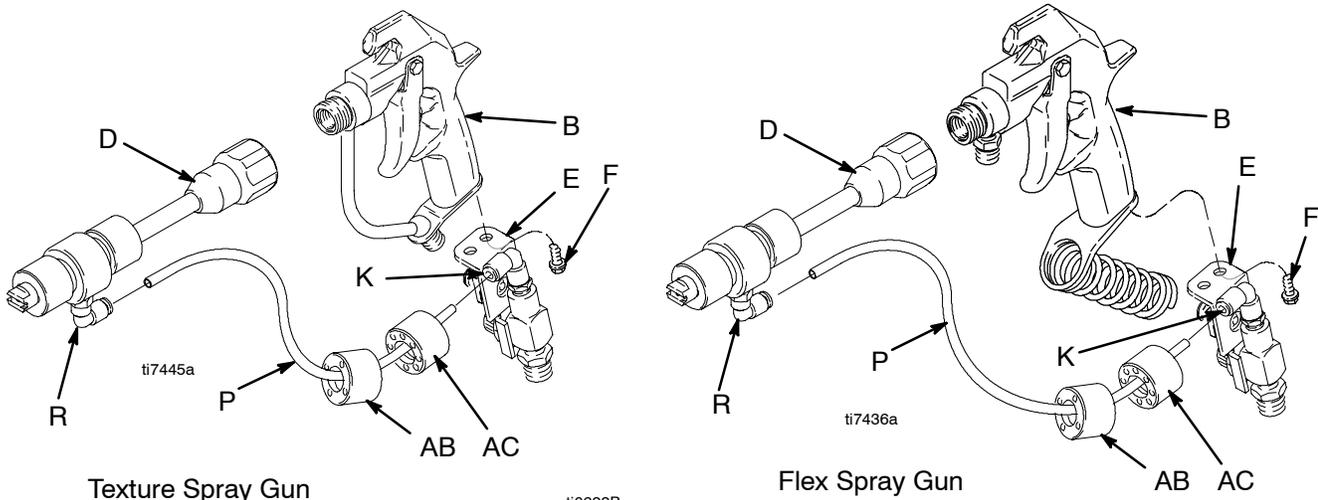


Fig. 1

Changing Material Tip and Air Cap

The air atomizer head (D) comes with the internal mix cap and spray tip (T, S, A) installed. The external mix air caps (AB) and (AC) may also be installed.

1. Replace cap (T), material tip (S) and o-ring (A) with air cap (AB) or (AC).
2. Fig. 3. Loosen locking cap (U).
3. Slide the atomizer assembly (D) to the desired position. See **Operation** and table, page 3.
4. Tighten locking cap (U).

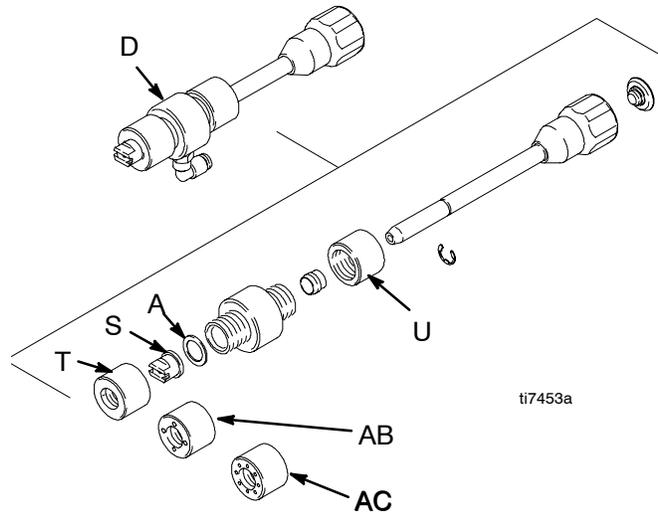
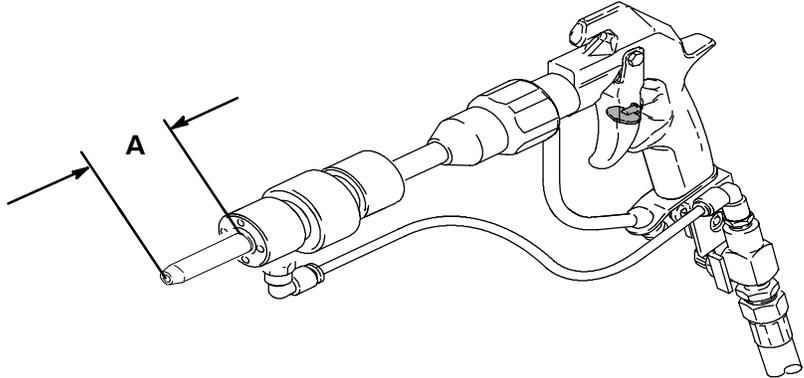
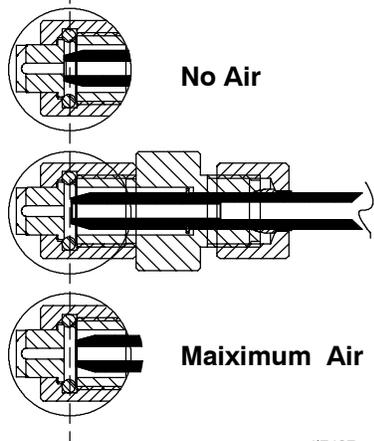
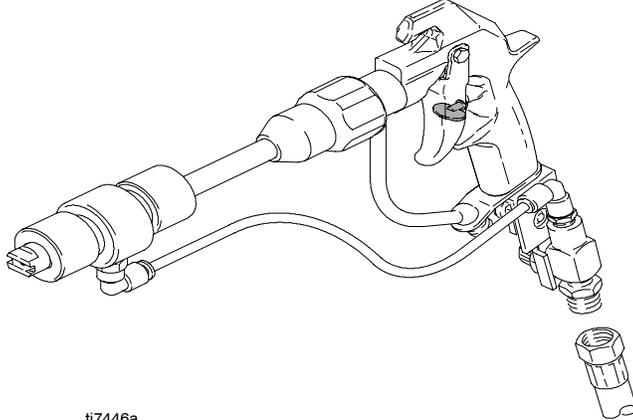


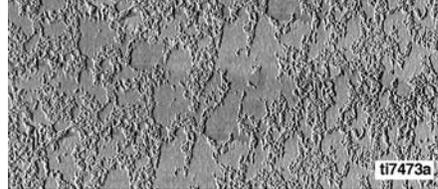
Fig. 2

Operation

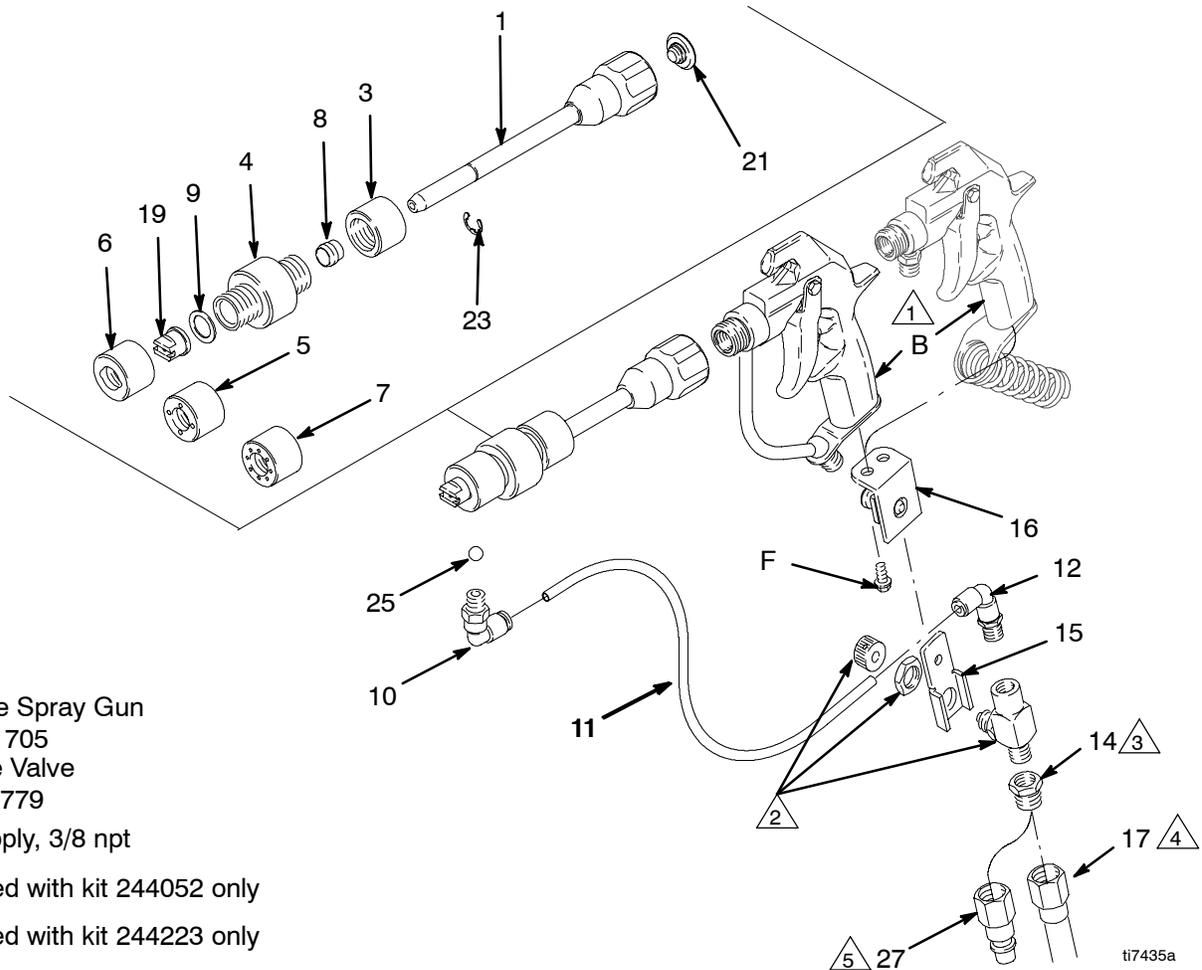
Position air atomizer head as suggested in table. Start with low air pressures and increase until the desired droplet size is attained. Choose an air compressor capable of supplying 15 cfm @ 90 psi (6.2 bar, 0.62 MPa) air pressure.

External Mix Air Cap	Droplet Size	A	A = Approximate Dimension in inches (mm) from Air Cap to End of Stem
	Large	3/4 (19)	 ti7372a
	Small	3/4 (19)	

Internal Mix Air Cap	Position Stem End in Approximate Middle of Air Atomizer Head	
	 No Air Maximum Air ti7437a	 ti7446a

Finish	Air Cap Selection	Air Setting	Appearance
Orange Peel	Internal Mix	High	 ti7473a
Splatter Coat	External Mix - 8-Hole	Medium	 ti7472a
Knock Down	External Mix - 4-Hole	Low	 ti7473a

Air Atomizer Kit



- △ 1 Texture Spray Gun
Kit 241705
- △ 2 Needle Valve
Kit 112779
- △ 3 Air supply, 3/8 npt
- △ 4 Included with kit 244052 only
- △ 5 Included with kit 244223 only

Fig. 3

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	244684	STEM, assembly	1	14	100176	BUSHING, hex	1
3	196815	CAP, locking	1	15	190456	BRACKET, valve, air	1
4	196816	BODY, air, ring	1	16	237821	BRACKET, handle, gun	1
5	196817	CAP, air, 4-hole	1	17	112775	HOSE, air, cpld, 3/8 in. x 50 ft	1
6	196818	CAP, air, tip	1	19	116190	TIP, spray	1
7	196819	CAP, air, 8-hole	1	21	176167	GASKET	1
8	116170	FERRULE	1	23	116308	RING, retaining, exT	1
9	C20179	O-RING	1	25	101956	BALL, bearing	1
10	112781	ELBOW, swivel, 90°	1	27	169967	FITTING, line, air	1
11	191191	HOSE, air	1				
12	112782	ELBOW, swivel, 90°	1				
13	112779	VALVE, needle	1				

▲ Replacement Danger and Warning labels, tags and cards are available at no cost.

Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call **1-800-690-2894 Toll Free** to identify your nearest distributor.

Graco Headquarters: Minneapolis
International Offices: Belgium, Korea, China, Japan

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

<http://www.graco.com>

PRINTED IN U.S.A. 309272 01/2001, Revised 08/2009