

Texture Flex Head and Pole Spray Applicators

U.S. Patent Pending

313895A

- For Water-Based Materials Only -

Model 24B945, Series A

Texture Flex Head Spray Applicator

Model 24B944, Series A

Pole Spray Applicator

1000 psi (6.9 MPa, 69 bar) Maximum Fluid Working Pressure

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



IMPORTANT SAFETY INSTRUCTIONS

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



Pressure Relief Procedure

To reduce the risk of serious bodily injury, including electric shock and splashing fluid in the eyes, follow this procedure whenever you stop spraying.

1. Shut off pump and sprayer.
2. Open sprayer drain valve.
3. Close applicator air valve.

Working Pressure

To reduce the risk of component rupture and serious bodily injury, never exceed 1000 psi (69 bar) FLUID WORKING PRESSURE to the applicator. Do not exceed the maximum working pressure of any other component in the system.

Fluid and Solvent Compatibility

Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in this equipment, which contains aluminum and/or zinc parts. Such use could result in a serious chemical reaction, with the possibility of explosion, which would cause death, serious bodily injury and/or substantial property damage.

Spraying

The spray pattern can be adjusted by changes to:

- Nozzle size
- Fluid and/or air flow
- Air needle position
- FineFinish disk size* (see next page)

The standard applicator adjustment is to adjust the air needle slightly behind the fluid nozzle. Fully open the air valve (3), while adjusting the needle valve (5) for the minimum air flow necessary for a good pattern.

NOTE: Installing needle (20) too far forward can force air back into fluid hose, stopping material flow.

Air bleeds from the applicator nozzle whenever the applicator air valve (3) is open. Close the valve to stop the air if desired. Otherwise, the air valve can stay open during priming.

Adjusting the spray pattern requires testing to balance the fluid flow and the air to the applicator, and requires the correct nozzle size.

Spray Techniques

1. Test the spray pattern on cardboard. Hold the applicator 18-30 in. (455-760 mm) from the surface. Use this spraying distance for most applications.
2. Adjust fluid flow until material flow is adequate.
3. Adjust the applicator air flow valve (5) to achieve a uniform round spray pattern.
4. Consider the size of aggregate in the material and the coarseness of the spray pattern. Larger nozzles allow heavier patterns.
5. Overlap each stroke 50%. A circular overlapping pattern may give the best results, and is obtained by grasping the flexhead (2) and swinging the head around as the hose flexes.

When spraying small confined areas use the valve and knob to make fine adjustments without adjusting the pump.

Material Flow Adjustments

For a lighter spray pattern, adjust the air needle (20) closer to the fluid nozzle and/or reduce the fluid flow.

For a heavier spray pattern, adjust the air needle (20) farther back from the fluid tip and/or increase the fluid flow.

NOTE: Withdrawing needle (20) too far can force air back into fluid hose, stopping material flow.

Air Flow Valve Adjustment

To decrease air flow, turn valve knob (5) clockwise.

To increase air flow, turn valve knob (5) counterclockwise.

Check material and thin as needed to maintain the proper consistency. The material may thicken as it sits and could slow down application or affect the spray pattern.

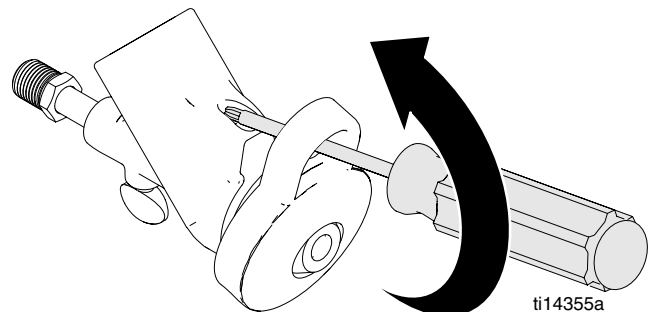
Flush and dry applicator thoroughly at the end of each use.

Installing Nozzle Retaining Cap

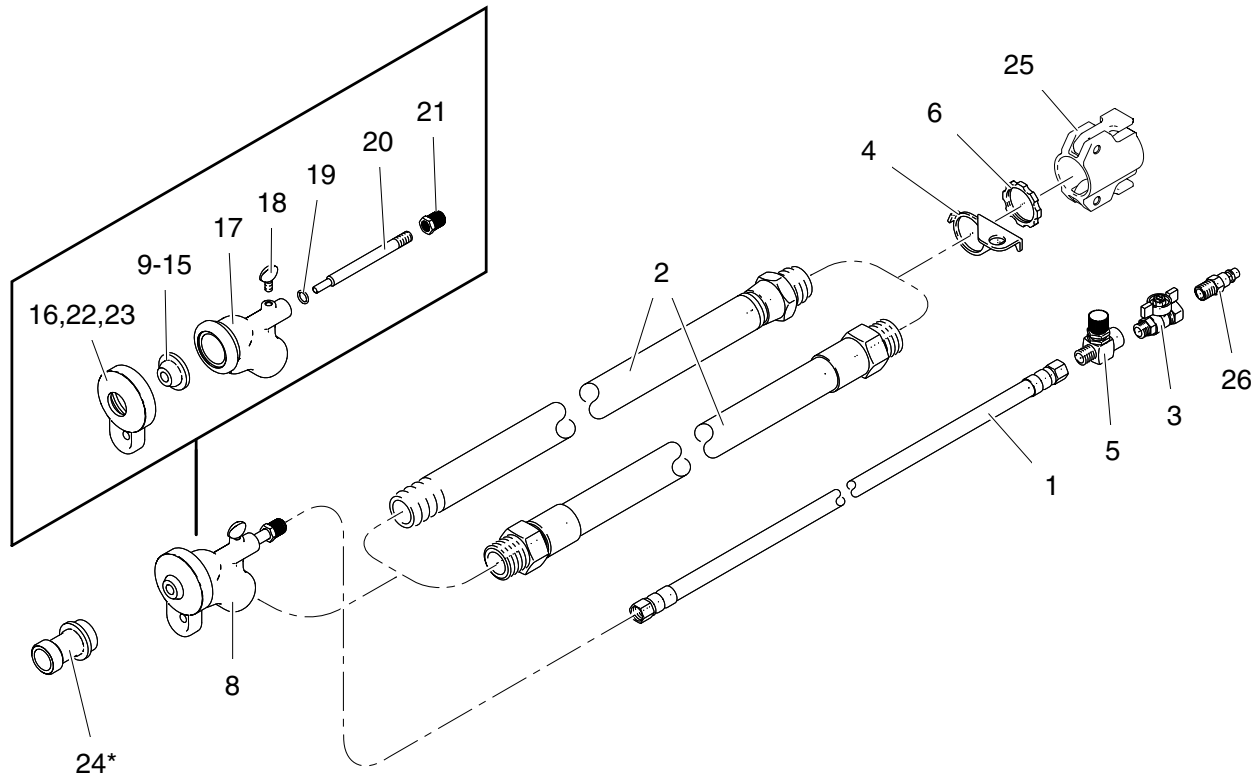
1. Place nozzle retaining cap over top lip of applicator housing.

(Optional)

2. Insert screwdriver through hole in tab of nozzle retaining cap.
3. Push screwdriver head against notch on applicator tip and pry nozzle retaining cap over lip until it snaps into place.



Parts



ti14353a

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
1		HOSE, coupled, air	1	15	16A449	NOZZLE, applicator, 9/16 in. (optional)	1
	113377	Model 24B945 (Flex)	1	16	16A405	CAP, tip retaining, medium	1
	113601	Model 24B944 (Pole)	1	17	16A247	HOUSING, spray gun	1
2		HOSE or TUBE, fluid, with swivel	1	18	100085	SCREW	1
	123247	Model 24B945 (hose)	1	19	104282	O-RING	1
	191633	Model 24B944 (tube)	1	20	190947	NEEDLE, air	1
3	15B565	VALVE, ball, air	1	21	M70895	BUSHING	1
4	190807	BRACKET, valve, air	1	22	16A420	CAP, nozzle retaining, soft (optional)	1
5	112779	VALVE, needle, air	1	23	16A421	CAP, nozzle retaining, hard (optional)	1
6	113114	LOCKNUT, 1 in. npt	1	24	16A246	ADAPTER, fine finish*	1
8	24B956	SPRAYHEAD (includes 10-14, 16-21)	1	25	289874	COUPLER, quick disconnect	1
9	16A443	NOZZLE, 3/16 in. (optional)	1	26	119394	FITTING, air	1
10	16A444	NOZZLE, 1/4 in.	1				
11	16A445	NOZZLE, 5/16 in.	1				
12	16A446	NOZZLE, 3/8 in.	1				
13	16A447	NOZZLE, applicator, 7/16 in.	1				
14	16A448	NOZZLE, applicator, 1/2 in.	1				

* FineFinish disks and caps are provided in Kit 287227 (optional) see manual 310617.

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

This manual contains English. MM 313895

Graco Headquarters: Minneapolis

International Offices: Belgium, China, Japan, Korea

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

Copyright 2009, Graco Inc. is registered to ISO 9001

www.graco.com