

Instructions - Parts



25N836 Small Round Spray Kit (8 mm) and 25N837 Medium Round Spray Kit (12 mm)

3A6829B

EN

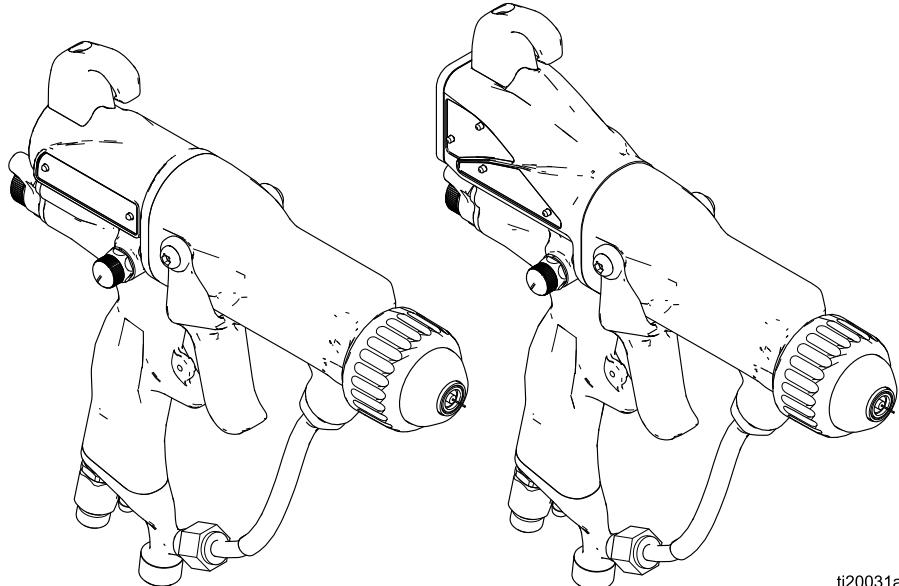
To convert a Pro Xp™
Electrostatic Air Spray Gun to a round spray pattern. For professional use only.



Important Safety Instructions

Read all warnings and instructions in this manual and in your Pro Xp™ Electrostatic Air Spray Gun manual before using the equipment.
Save these instructions.

*100 psi (0.7 MPa, 7.0 bar) Maximum
Fluid Working Pressure
100 psi (0.7 MPa, 7.0 bar) Maximum Air
Working Pressure*



ti20031a

Related Manuals

Manual No.	Description
3A2494	Pro Xp Electrostatic Air Spray Gun
3A2495	Pro Xp Electrostatic Air-Assisted Spray Gun
3A2496	WB100 Isolation System and Pro Xp 60 WB Gun
3A2497	WB3000 Isolation System and Pro Xp 60 AA WB Gun
333010	Pro Xp Auto Air Spray Gun
333011	Pro Xp Auto AA Spray Gun
333012	Pro Xp Auto Waterborne Air Spray Gun and WB100 Isolation System
333013	Pro Xp Auto Waterborne AA Spray Gun and WB3000 Isolation System

Overview

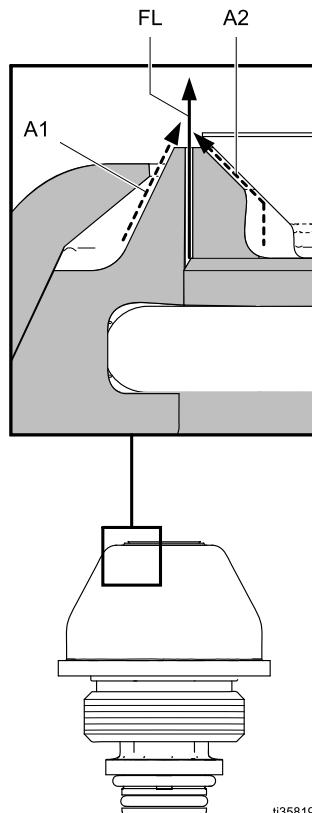
Round spray kits provide a swirling, slow, round cone pattern for excellent finish and transfer efficiency. The fan valve can be used to adjust pattern size. Round spray kits work best with low to medium production rates.

- **Part No. 25N836 small pattern (8 mm)**

Uses a dual inner and outer atomizing air design for improved atomization at low air flows. Produces smaller patterns less than 4 inches. Best for flow rates below 8 oz/min.

- **Part No. 25N837 medium pattern (12 mm)**

Uses a dual inner and outer atomizing air design for improved atomization at low air flows. Produces smaller patterns less than 6 inches. Best for flow rates up to 12 oz/min.



ti35819a

Item	Description
FL	Fluid flow
A1	Outer air flow
A2	Inner air flow

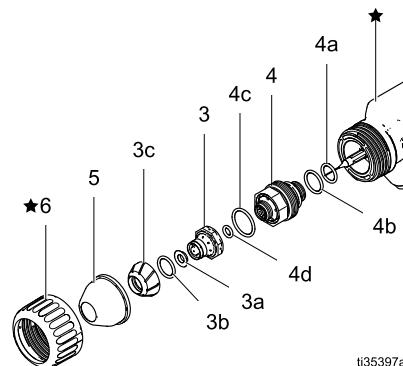
Installation



1. Flush the gun as instructed in your electrostatic gun manual.
2. Follow the Pressure Relief Procedure in your electrostatic gun manual .
3. Remove the retaining ring and air cap.
NOTE: Trigger the gun while removing the nozzle to help drain the gun and prevent any paint or solvent left in the gun from entering the air passages.
4. Trigger the gun while removing the fluid nozzle.
NOTE: Use non-silicone grease, Part No. 111265, on the small o-ring (4c). Do not over-lubricate. Do not lubricate the conductive contact ring (4b).

5. Make sure the conductive contact ring (4b) and the o-ring (4a) are in place on the round spray nozzle (4). Lightly lubricate the o-ring (4a).
6. Make sure the electrode needle is finger-tight.
7. Trigger the gun while installing the fluid nozzle (4) with the multi-tool provided with the gun. Tighten until the fluid nozzle seats in the gun barrel (1/8 to 1/4 turn past hand-tight).
8. Make sure that the o-rings (4c and 4d) are in place. Slide the inner air cap (3) over the electrode and thread it onto the nozzle.
9. Press on the round spray diffuser (3c) and install the air cap (5). Reinstall the retaining ring (6).

NOTE: Items marked with a ★ are shown for reference and are not included in the kit.



t35397a

Figure 1 Round Spray Air Cap, Diffuser, and Nozzle

10. Test the gun resistance as instructed in your gun manual.

Fluid and Air Flow Adjustment

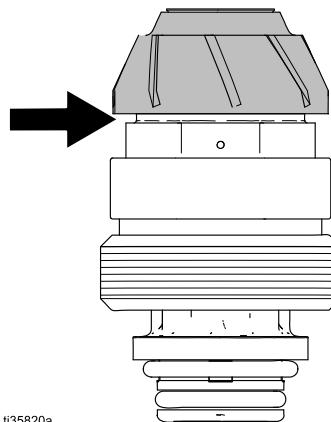
In many round spray applications, it is desirable to use a very low air cap flow to minimize pattern velocity and maximize efficiency. Follow this procedure to achieve the most efficient pattern.

1. Close the fan valve by turning the valve fully clockwise. This controls the outer air flow.
2. Close the atomizing valve fully counterclockwise and then open it one turn. This controls the inner air flow.
3. Open the ES on/off valve and then adjust the gun air inlet pressure to maintain 45 psi at the gun inlet. The LED indicator should remain green.
4. Turn off the ES on/off switch.
5. Adjust the fluid pressure to the gun to achieve the desired fluid flow rate.
6. Spray a test pattern to check the atomization level.
 - To improve the atomization, increase the inner air flow by turning the atomization valve clockwise.
 - If more air flow is needed, increase the gun inlet pressure.
7. To reduce the pattern size, add outside air and increase the air flow by opening the fan valve.
8. When you are ready to begin spraying, turn the ES on/off switch to on.

Cleaning the Air Cap

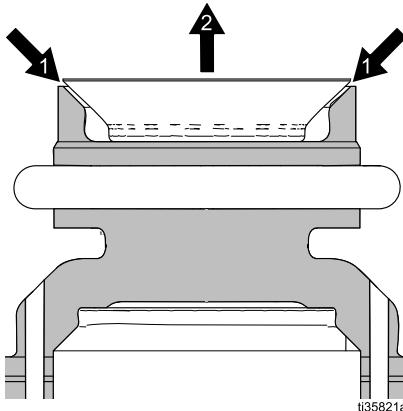
To clean the air cap, do the following:

1. Follow the Pressure Relief Procedure in your electrostatic gun manual.
2. Remove the retaining ring and outer air cap.
3. Unthread the inner air cap to remove the inner air cap and diffuser.
4. Soak the parts in a compatible solvent and blow the passages out with air.
5. If you suspect that some passages are plugged, use a screwdriver to pry off the diffuser from the inner air cap to inspect the inner fluid flow passages.



ti35820a

6. Use a thin tool to pry the deflector from the inner air cap to expose the inner air flow passages. Be very careful not to damage or distort the edges of the parts.



ti35821a

7. After cleaning, verify that all the o-rings are in place. Reassemble the air cap.

Notes

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. However, any deficiency in the barrel, handle, trigger, hook, internal power supply, and alternator (excluding turbine bearings) will be repaired or replaced for thirty-six months from the date of sale. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

The Parties acknowledge that they have required that the present document, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English. Les parties reconnaissent avoir convenu que la rédaction du présent document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés, à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

Graco Information

For the latest information about Graco products, visit www.graco.com. For patent information, see www.graco.com/patents.

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.

Graco reserves the right to make changes at any time without notice.

For patent information, see www.graco.com/patents.

Original Instructions. This manual contains English, MM 3A6829

Graco Headquarters: Minneapolis

International Offices: Belgium, China, Japan, Korea

GRACO INC. AND SUBSIDIARIES • P.O. BOX 1441 • MINNEAPOLIS, MN 55440-1441 • USA

Copyright 2019, Graco Inc. All Graco manufacturing locations are registered to ISO 9001.

www.graco.com

Revision B, 2019-03