

INSTRUCTIONS-PARTS LIST



307-945

Rev. D
Supersedes C

This manual contains **IMPORTANT WARNINGS AND INSTRUCTIONS**.
READ AND RETAIN FOR REFERENCE
Refer to your gun instruction manual for detailed warnings and instructions.

NOTE: These kits have not been tested by the Canadian Standards Association or Factory Mutual. Installing the kits in certified or approved electrostatic systems will void previous C.S.A. certification and/or F.M. approval.

AIR-ASSISTED AIRLESS ROUND PATTERN AIR CAP & SPRAY TIP KIT

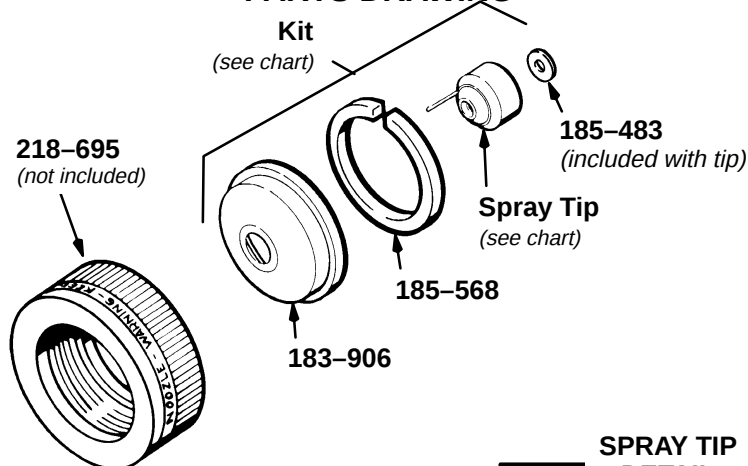
This kit is for use on the PRO AA4000™ and PRO AA5000™ Electrostatic Air-Assisted Airless Spray Guns.

Use the Selection Chart and the Performance Chart to choose the Air Cap and Spray Tip Kit best suited for your application. Spray tip and air cap can also be ordered separately.

WARNING

Before installing or removing the air cap/fluid tip assembly, **ALWAYS turn off the electrostatics to the gun and relieve all pressure** in the system by following the **Pressure Relief Procedure** for your gun (see your gun manual). This helps reduce the risk of fire, explosion, electrostatic shock, or serious bodily injury, including fluid injection and splashing fluid or solvent in the eyes or on the skin if the gun is accidentally triggered.

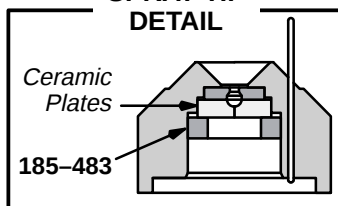
PARTS DRAWING



CAUTION

DO NOT remove ceramic plates as this may crack them or deform the spray pattern. **DO NOT** use standard PRO AA fluid tip o-rings to replace washer 185-483 as standard o-rings will eventually block fluid passages.

SPRAY TIP DETAIL



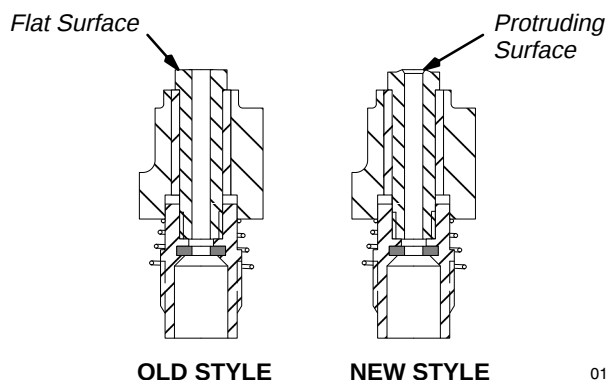
SELECTION CHART

Kit Part No.	Spray-Tip Part No.	Tip Size in. (mm)
222-603	222-151	0.017 (0.432)
222-604	222-152	0.011 (0.279)
222-605	222-153	0.013 (0.330)
222-606	222-154	0.015 (0.381)
224-045	222-159	0.009 (0.229)

NOTE: To avoid plugging the tip, clean immediately after operation by flushing thoroughly in a compatible solvent. Refer to your gun instruction manual. **DO NOT** allow material to dry inside the tip.

BALL SEAT HOUSING NOTE:

Round pattern spraying requires that you use the new-style ball seat housing, Part No. 220-613, which has a protruding, chevron-shaped sealing surface. See the figure at right. If your gun has the old-style ball seat housing, you must also order the new-style housing when ordering a round pattern kit.



OLD STYLE

NEW STYLE

01261

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

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OPERATION

Recommended Spraying Conditions/Equipment:

1. To attain the best possible atomization and pattern control, spray with the fan adjustment valve fully open at all time.
2. It is *HIGHLY* recommended that you install the 100 mesh in-line fluid filter, part number 210-500, in the fluid line, ahead of the gun. Using this filter greatly reduces the frequency of clogging the fluid tip passages. See the description below.

NOTE: ALWAYS flush the tip with solvent immediately after use to avoid clogging the tip.

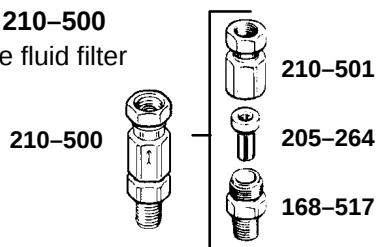
3. Round Pattern Tip Assemblies are intended for use with *low viscosity fluids*. Hard-to-spray fluids (such as high solids materials, epoxies, urethanes, etc.) may easily clog the tip and result in poor atomization.
4. Irregular pattern shapes may be caused by blockage of one of the 3 fluid passages in the tip. A clogged or partially clogged tip may be unclogged by soaking the tip in solvent for several hours and then flushing the tip with solvent.

5. *Recommended Operating Pressures*
Air: 80 psi (5.6 bar)
Fluid: 500 to 800 psi (35 to 56 bar)

ACCESSORIES

FLUID FILTER 210-500

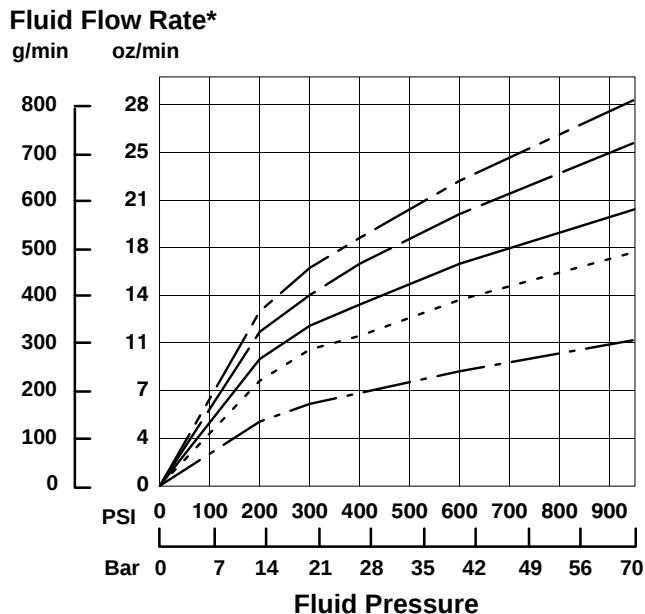
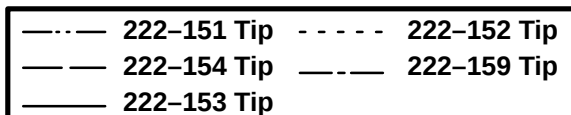
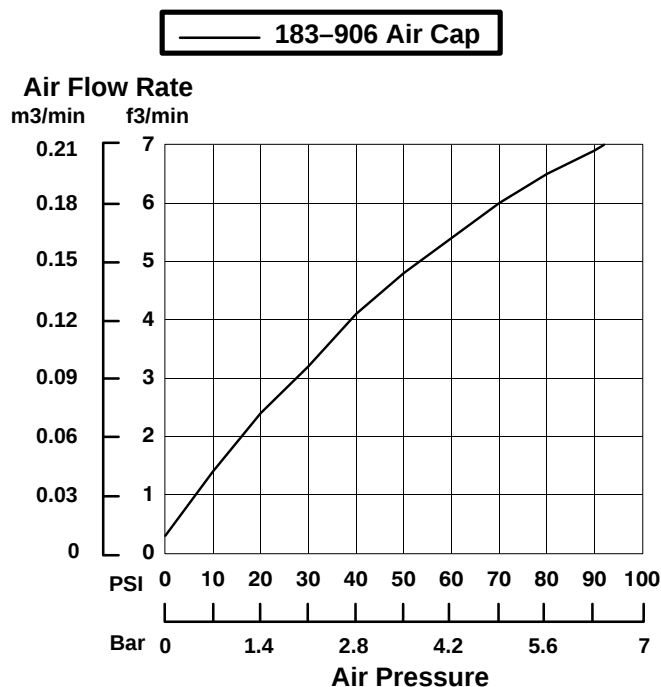
100 mesh in-line fluid filter



SERVICE INFORMATION

This manual revised to add old/new-style ball seat housing note to front cover.

PERFORMANCE CHARTS



*Fluid Viscosity:
23 sec. with #3 shell

Factory Branches: Atlanta, Chicago, Dallas, Detroit, Los Angeles, Mt. Arlington (N.J.)

Subsidiary and Affiliate Companies: Canada; England; Switzerland; France; Germany; Hong Kong; Japan; Korea

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PRINTED IN U.S.A. 307-945 10-88 Revised 5-92