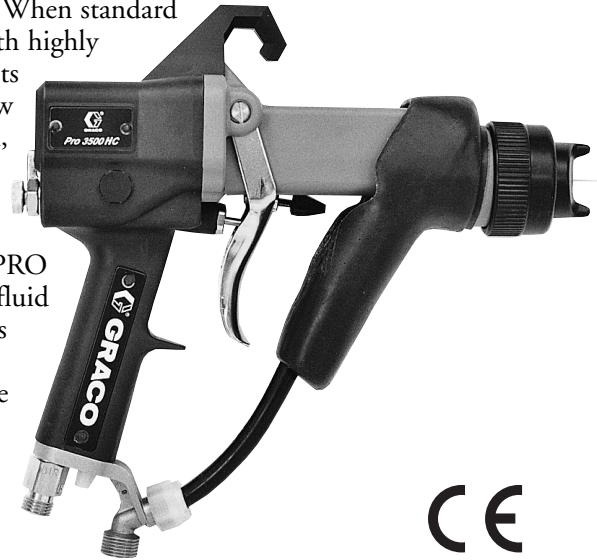




First choice when quality counts.™

PRO 3500hc™

The PRO 3500hc gun was designed to accommodate a special need. When standard electrostatic guns are used with highly conductive solventborne paints and some metallics, they allow excess current flow to ground, resulting in lower tip voltage and decreased electrostatic effect. This results in lower transfer efficiency. With the PRO 3500hc, a specially designed fluid tube solves this problem. This tube improves the fluid resistance path and retains the electrostatic charge. A plastic shroud covers the hose to protect it from impact, abrasion and contamination.



COMPONENTS

**Electrostatic
air spray
PRO gun
for highly
conductive and
metallic
materials**

The PRO 3500hc maintains fast color changes as well as flushing. It is widely used in automotive base coat application.

**Conversion Kit:
from PRO 3500sc™ to PRO 3500hc**

To enable your PRO 3500sc to electrostatically spray highly conductive coatings, a conversion kit is available. The kit includes a fluid packing/needle assembly, fluid tube and shroud and requires no special tools. Just attach the parts to your PRO 3500 and you are ready to begin spraying highly conductive materials.

Typical Fluids Handled (High Conductivity)

- metallic base coat primers
- conductive primers
- conductive epoxy and polyurethane topcoats

Typical Industry Applications

- automotive, truck and bus assembly
- automotive, truck and bus components
- metal furniture and fixtures
- fabricated metals

- **Meets the needs of highly conductive coatings**
- **Compact and lightweight for operator acceptance**
- **Simple to install - requires no electrical connections**
- **FM, CSA and CENELEC approved**

Technical Specifications

Maximum working pressure 100 psi (0.7 MPa, 7 bar)
 Fluid pressure operating range..... 0-100 psi (0-0.7 MPa, 0-7 bar)
 Air pressure operating range..... 0-100 psi (0-0.7 MPa, 0-7 bar)
 Gun weight..... 1.89 lbs. (.86 kg)
 Gun length..... 9.5 in. (240 mm)
 Paint resistivity..... 3.0 megohm • cm to infinity
 Voltage output..... 65 kV maximum
 Air inlet 1/4 npsm(m) (L.H.)
 Fluid inlet 3/8 npsm(m)
 Wetted parts SST, nylon, acetal, Teflon®,
 UHMWPE, ceramic, fluoroelastomer
 Instruction manual 308-018

Teflon® is a registered trademark of Du Pont.

Ordering Information

222-625 PRO 3500hc Electrostatic High Conductivity Air Spray Gun

223-451 Conversion Kit

To change the PRO 3500sc spray gun to the PRO 3500hc spray gun

Air Hose Available (required for use)

Length	Grey	Red
6 ft. (1.8 m)	223-068	235-068
15 ft. (4.6 m)	223-069	235-069
25 ft. (7.6 m)	223-070	235-070
36 ft. (11 m)	223-071	235-071
50 ft. (15 m)	223-072	235-072
75 ft. (23 m)	223-073	235-073
100 ft. (30.5 m)	223-074	235-074

Grey Hose:

Extra flexibility. Modified semi-conductive polyamide core, urethane cover.

Red Hose:

Conductive SST wire braid for grounding. Polyurethane tube and cover.

185-493 Air Hose Adaptor Nipple

This adaptor allows for the connection of multiple air hose as needed for the special grounded PRO air holes. 1/4 npsm (L.H.) x 1/4 npsm.

235-300 Gun Mounting Bracket

Allows gun to hang with barrel in a downward orientation to prevent material from getting into the air passages.

236-129 Air Inlet Swivel

Replaces air inlet fitting for swivel action.

Accessories

Nozzles Available

Needle Size

191-831 0.040 in. (1.0 mm)
191-832 0.047 in. (1.2 mm)
191-833 0.055 in. (1.5 mm)
191-834 0.070 in. (1.8 mm)

190-933 Electrode Needle (all nozzles)

Round Pattern Kits Consists of fluid tip, diffuser and air cap.

222-329 4-6 in. diameter (102-152 mm)

222-330 8-10 in. diameter (203-254 mm)

Paint Resistivity Meter (used together)

722-886 Meter

722-860 Probe

236-003 High Voltage Probe and Meter

Complete assembly includes high voltage probe, meter and ground wire.

Air Caps

193-033 Round End
 14-17 in. (356-432 mm) at 12 in. (305 mm).
 Fine atomization. Medium production.

177-039 Tapered End
 14-16 in. (356-406 mm) at 12 in. (305 mm).
 Medium to high production

180-739 Round End
 15-17 in. (381-432 mm) at 12 in. (305 mm).
 Good atomization. Medium to high production.

Fluid Hose, Nylon, swivel, 3/8 nps(fbe)

215-637 25 ft. (7.6 m)

215-638 50 ft. (15 m)

215-640 100 ft. (30.5 m)

218-979 Megohmmeter

Used to check gun resistance and part grounding.

224-883 Push/Pull Fan Valve

For rapid change of fan size.

223-054 Four-Finger Trigger Conversion Kit

223-451 High Conductivity Kit

Converts the PRO 3500sc gun to PRO 3500hc for use with highly conductive coatings and metallics.

223-780 High Conductive Solvent Kit

For use with very conductive materials.

112-534 Air Line Quick Disconnect & Swivel

Swiveling air quick disconnect designed to replace the standard air fitting in the gun handle.

223-976 E/S Always On Valve Kit

Replaces inlet fitting with ball valve to shut air off during flushing. Converts ES on/off lever to always On condition.

218-374 Box of 10 Covers