



MODEL 100 & 200 SPRAY GUN

OPERATING INSTRUCTIONS AND SUGGESTIONS

OPERATION:

Your Model 100 spray gun is quick and easy to use, and equally important, quick and easy to clean. It will spray a wide variety of materials including gelcoats, resins, parting films and it will sand blast with the proper spray tip. Your gun comes with one heavy duty plastic cup which will withstand acetone and keytones, and a selection of paper cups. When an inexpensive supply of paper cups is available, most fabricators prefer the time savings an expendable paper cup gives. The model 100 is supplied with a nozzle cleaning brush (G300-FN-BRUSH), MIL Gauge, cast aluminum lid (G300-010-3), and a 3/16" (4.8MM) (G300-FN6) nozzle. This is a general purpose nozzle and other sizes may be purchased (see parts diagram) for better results with your particular applications.

- 100 & 200 1. Never put oils or jellies on "o" ring seals. This will cause extreme swelling and damage to these specially formulated seals. Acetone will cause slight swelling, and will require some "o" rings to be replaced occasionally.
- 200 Only 2. Unscrew plastic jar from anodized catalyst lid (G300-017), and fill with catalyst no more than even with the upper jar band. Re Assemble to seal the internal "O" ring (G300-018A-035) and vent hole in the jar points straight up. Do not tighten the plastic jar beyond this point.
- 100 & 200 3. Fill paper (G300-01132) or plastic cup (G300-011HD) with the material to be sprayed. (The disposable 32 OZ paper cup makes an ideal liner to the plastic cup, and reduces clean up time. Also try the G300-011-BAG plastic cup liners.)
- 100 Only 4. Catalyze material to suppliers specification. (A small M.E.K. Dispenser is helpful in this step.)
- 100 & 200 5. Secure cup on to cast lid (G300-010-3) while cup is upright. Slide fluid nozzle (FN) into air nozzle (G300-004) and attach pull ring (G300-013) to the lip in the cup.
- 100 & 200 6. When material is not being sprayed, point cup up or material will drip out of your fluid nozzle.
- 100 & 200 7. Depress trigger valve (G300-001) all the way until upper "o" ring (G300-003A) seats, and open flow control (G300-014) to achieve desired spray volume. (About 2 turns is fully open)
- 200 Only 8. With material flow control shut off, depress trigger valve until the upper "O" ring (G300-003A) seats, and adjust catalyst volume until a fine spray is achieved. (This adjustment will vary according to atmospheric conditions.)
- 200 Only 9. Adjust caltalyst spray pattern to a matching spray diameter at the contact point of the resin/gelcoat spray diameter. This is achieved by loosening the cap head screw in the catalyst block, and adjusting the angle of the catalyst spray.
- 100 & 200 10. When finished spraying, release trigger and raise gun to vertical position. Refill follow instructions 2 through 6 again.

Model 100 Gun Air Requirements 60 to 100 psi (5.8cfm @ 80psi)

Model 200 Gun Air Requirements 70 to 100 psi (6.5cfm @ 80psi)

Suggestions for Other Applications

- 1. By using a 9/32" (7.1 MM) nozzle (and closing the catalyst flow control (G300-14) 200 Gun only), you can blast with a light dry sand.
- 2. With a 7/32" (5.5 MM) or 1/4" (6.2 MM) nozzle, gel coats with metal flake additive can be sprayed to achieve a similar appearance to that used on bass boats.
- 3. The 1/32" (0.8 MM) or 1/16" (1.6MM) can be used to spray light viscosity materials such as parting film. By spraying a light coat of wax over your hand buffed mold, it will increase the number of parts between hand waxing of your mold.
- 4. Many experienced sprayers purchase several different nozzle tips for changing material and atmospheric conditions. By purchasing and experimenting with several nozzle tips, the quality of your parts will greatly improve.
- 5. To remove lid, (G300-010) from empty plastic cup (G300-011HD), insert compressed air into nozzle tip.

General nozzle suggestions. Ask your material manufacturer for more detailed material information.

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| PARTING FILMS | PAINTS | RESINS | GELCOATS | GELCOATS W/FLAKE | SAND-BLASTING |
| FN-1 FN-2 | FN-3 | FN-4 | FN-5 FN-6 | FN-7 FN-8 | FN-9 |