

Epoxy Dispensing Gun

RPS Series: Reflector Placement System

Features:

- Fast and Easy to Use
- No Hand Mixing
- Durable and Accurate
- No Messy Cleanup
- Minimize Fumes



Applications

- Attaching Reflective Highway Markers
- Attaching delineator Posts on Highways
- Attaching Park Benches
- Attaching and repairing sign posts
- Attaching bumper strips in parking lots
- Attaching reflective fire hydrant markers
- Repairing or patching broken concrete, asphalt, or brick structures

Description

The RPS Series of hand-held epoxy dispensing guns are the modern alternative to the old-fashioned methods of epoxy mixing and dispensing. Two types and three sizes are available, with epoxy mixing cartridges in volume sizes to suit virtually every application. The guns are easy to use; simply slide the pre-filled disposable epoxy cartridges into the quick connect cartridge chamber, install a disposable static mixer, and you are ready to dispense mixed epoxy in the correct ratio for any application—with no mess.

The RPS-5003 is completely air operated and holds 600cc's of epoxy in its pop-in cartridge. An adjustable pressure regulator on the unit adjusts air pressure from 0–50psi. A standard quick-connect air coupling fits most air hoses. A portable 9 gallon air compressor tank with 15' of hose is available. The trigger on the applicator activates the air pressure to the cylinder, pushing plungers into the epoxy cartridge, completely sealing the back of the cartridge and pushing the separate parts of the epoxy through the mixer. The disposable static mixer blends two parts together and dispenses with pinpoint accuracy. The air activated gun will dispense as long as the trigger is depressed, allowing for a variety of applications from dots of epoxy, to lines. The epoxy goes directly onto the target area.

Operating Instructions

Following is the information regarding the operation of ROS-5003 pneumatic epoxy dispensing gun. The unit operates on a maximum of 145 psi. There is a built in air regulator on the bottom of the handle. A regulator with a gauge can be installed at the air inlet to actually give you a reading of the air pressure going on. The tool runs at 1 SCFM (approximately 0.98 CFM) at 90psi.

At the top of the handle there is a brass button. This is what operates the plunger in and air out feature. When the user is finished doing the job, and ready to remove the cartridge, push this button the direction pull the trigger, and the push rods will automatically retract. This adds greatly to the ease of changing and removing cartridges. The gun comes with an interchangeable side handle. There is a pre-drilled hole on each side of the front carriage plate. This handle gives added support for the user, from either side while dispensing the product.

Heating Instructions

Climates below 80° F sometimes cause epoxy to become high in viscosity, thus creating very slow output. To remedy this simply set the cartridges in hot water for about 5 minutes, place them in the warm sun for 10–20 minutes (providing the ambient temperature is 80° F) or place them on the floor board of vehicle with the heater on for 10–15 minutes. In addition, cut the tip of the static mixing tube back to the last tier to allow adequate flow and minimize back pressure.