



# OPERATING INSTRUCTIONS

## for the Pneumatic / Air Powered Dispensing Guns



### ALBION ENGINEERING COMPANY

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### **WARNING!**

Read instructions completely before operating the dispensing gun.  
Eye protection must be worn at all times when the applicator is in operation.  
120 PSI maximum operating pressure.  
Do not drop or let anything drop on the gun.  
Do not damage or polish the piston rod.  
Store in a clean dry environment.  
Do not point the applicator at anyone while the tool is in operation.  
Do not place any part of your body either inside or in front of the material chamber while the tool is connected to an air supply.  
Do not attempt to either repair or replace any parts on the tool without reading assembly instructions first.  
Read the material safety data sheet (MSDS) on the material being used.



### LOADING BULK:

To load a sealant or adhesive, first remove the front cap. Avoid getting caulk into the threads on the barrel by spraying them with a bond breaker like WD-40 or silicone or dip into solvent. Plunge the barrel of the gun into the material to a depth of about one inch. Move it about in a circular motion until the material is in continuous contact with the barrel or loading sleeve (p/n 33-10) to form an air seal. With one hand on the barrel, pull the piston rod back in a slow steady motion. Pause every few inches to permit the pressure on the material to equalize. In this way the barrel will fill with a minimum of air pockets. Use a spatula to cut off the strings of extra material or simply remove the loading sleeve. Replace the front cap and begin dispensing. Some self-leveling materials can be loaded directly through the nozzle.

### LOADING SAUSAGE:

To load the gun, remove the front cap assembly and retract the rod. Drop the sausage pack into the barrel. Use a knife or scissors to cut off the end of the sausage. The clip must be removed totally before dispensing to prevent a clogged nozzle. Replace the front cap and begin dispensing.

**NOTE:** *Only pistons designed for sausage applications (Hytrel, Teflon, etc) should be used with sausage packs.*

### GENERAL OPERATING INSTRUCTIONS:

When the gun is shipped from our facility it is assembled ready for operation. Connect the applicator to the regulated air supply, 120 PSI maximum. To dispense material, depress the trigger. The rate of material dispensing from the gun is determined by the air pressure used. It is recommended that a separate regulator be used for each gun so that the operator can accurately adjust the flow of material. The air connection is 1/8" NPT.

### MAINTENANCE:

The leather pistons (replacement kit p/n 47-51) in Albion 2" bulk guns are saturated in oil during assembly at the factory. To maintain suction during loading, and avoid blow-by when dispensing, periodically remove, clean and re-oil the leather pistons with standard automotive motor oil. Do not use WD-40 on the pistons. Reassemble pistons with the barrel on the gun. Also, keep the inside of the barrel clean (brass bristle brush p/n 800-G01 or 800-G02) and lightly oiled for smooth operation. Use the sealant manufacturer's recommended solvent for clean-up. Water based products require daily cleaning and oiling of the barrel & leather pistons. Synthetic pistons like Teflon® (p/n 21-20), Hytrel® (p/n 21-24), & Nitrile (p/n 21-16), will wear with use. Replace them when you experience leakage or sausage bag wrap. Replacement parts are available from your distributor or [www.albioneng.com](http://www.albioneng.com)