

## Bulk Loading

There are three primary techniques for loading bulk caulk. One thing they all have in common is that they require a properly maintained bulk gun. The barrel should be clean and lubricated, the leather pistons must be oiled and not excessively worn, and the rod should move freely back and forth when the recoil is depressed.

**Direct from a pail:** In addition to lubricating the inside of the barrel, spray a light lubricant such as WD-40, 3-in-1, or cooking spray on the exterior barrel threads. This bond breaker will help keep the threads clean. Some self-leveling (pourable) sealants can be loaded directly through the nozzle but most require that the barrel be open (cap & nozzle removed).

Remove the cap and nozzle assembly from the gun. Immerse the gun barrel into the material to a depth of an inch or two. Use a circular motion with the barrel to completely wet the outside surface and to ensure an air seal. Pull the piston rod back slowly, sucking the material up into the barrel. Pause every few inches to allow the pressures to equalize. As the level of material in the pail decreases, sink the barrel deeper to avoid drawing air. When the barrel is full, remove it from the material. Clean the barrel first with a spatula or bucket scraper, then wipe the threads clean with a rag. Invert the gun and tap the side to burp out any air pockets. Replace the cap and you're ready to dispense.

**With a Loading Sleeve:** To help maintain a clean barrel while loading bulk material, use an Albion Loading Sleeve. Slide the sleeve over the end of the bulk gun barrel before plunging it into the pail.

After filling your gun, remove the sleeve and replace the cap and nozzle assembly.

**With a Follow Plate:** Place the Plate directly into the caulking and press down firmly to remove air pockets. Remove the gun's front cap and advance the rod as far forward as it will go. Thread the gun into the plate and hook the recoil. While exerting pressure down, pull back on the rod. When full, unthread the gun from the plate and replace the cap and nozzle on the gun.

**ENGINEERING TID-BIT:** When the plate reaches the bottom of the pail you can break the suction and remove it easily by reattaching an empty gun and pumping air underneath the plate.

## Loading Sausage Packs

Remove front cap, depress the recoil and pull the rod as far back as it will go. Insert sausage into barrel, then cut off the sausage end completely with a knife or scissors. Replace front cap and release the recoil. If the material seems difficult to dispense, check to be sure the sausage has adequately opened and that the clip or sausage end is not stuck in the nozzle. Note that the gun will completely dispense its load before the piston rod has finished its stroke. Stop pumping at this point, remove front cap and use the balance of the stroke to eject the empty sausage skin.

Excessive pressure against the compacted skin will damage the gun piston. The inside of the barrel must be clean and lightly oiled when dispensing sausage packs. Otherwise, the skin will tend to stick to the gun barrel and wrap around the piston.

## Converting Bulk Guns to Sausage Use

The primary difference between bulk and sausage guns are the pistons inside the barrel. Changing the pistons requires just a wrench and the new piston assembly. Generally, bulk dispenses best with Leather Pistons. For sausages, you have a choice of Hytrel®, Teflon®, or Polyfinger pistons. Teflon® is unique in that it can be used for both bulk and sausage dispensing. These are best replaced as kits (includes washers, pistons & nuts).

## Converting Bulk Guns to Cartridge Use

Most Albion Bulk & Sausage Guns can be converted to dispense cartridges. Substitute a metal ejector #29-5 for the piston assemblies. Cut the cartridge spout so it will wedge into the gun nozzle. Alternately, use a cartridge conversion kit #870-2 which includes a front cap for cartridges.

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# Operating Instructions

for our

## Professional Line of Manual Drive Dispensing Guns

### Drives

- Deluxe
- Special Deluxe
- Special Deluxe Plus
- Ultra

### Models

DL-24	340
DL-32	846
DL-45	405
DL-59	139
DL-79	380
	103
	770
	440



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## Congratulations!

You have purchased the best engineered professional quality dispensing tool available anywhere! With proper care and maintenance it will provide reliable and efficient service through many pails, sausage packs or cartridges of sealant and adhesive. And, when your tool requires modification for special situations or maintenance, a full line of parts and accessories are available.

## General Operating Instructions

The key to the operation of an Albion dispenser is the action of the *gripping plates* driving the *rod* forward while the *recoil* prevents it from moving in reverse. In the normal (starting) position the *gripping plates* are in a neutral (un-cocked) position and the recoil is engaged (cocked). The slightest pressure on the *trigger* will cock the gripping plates and advance the rod. To retract the rod, release the trigger and press down or hook the recoil. **ENGINEERING TID-BIT:** If the recoil jams due to excessive pressure and becomes hard to release, take some of the load off of it by squeezing the trigger first. Then it can be depressed easily.

## Maintenance

The *adjustment screw* on the back of the gun reduces lost motion in the trigger mechanism caused by wear. It is set at the factory and requires adjustment only after long use. The *drive rod* will wear with use. This results in a gradual loss of stroke. When this occurs, remove the rod and rotate it 90 degrees to a new set of wear surfaces. The leather *pistons* in Albion 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. Reassemble pistons with the barrel on the gun. Also, keep the inside of the barrel clean and lightly oiled for smooth operation.

**Synthetic pistons** (Teflon®, Hytrel, Nitrile and Poly Plastic) will wear with use. Replace them when you experience leakage or sausage bag wrap.

