Introduction

The 752V-HL (#7021415) hand-operated dispense gun is a rugged, industrial, lever-actuated fluid dispensing valve. The valve incorporates a quick change fluid body for fast and easy maintenance. The fluid inlet fitting for 1/4” OD feed tubing and an assortment of dispensing tips are included.

Getting Started

1. Install the feed tube from the fluid reservoir to the inlet fitting and tighten the compression nut to secure. The location of the inlet fitting can be changed by removing the two fluid body retainer screws and fluid body. Follow the service instructions to reinstall the fluid body with the inlet fitting in the desired position.

2. Apply air pressure to the fluid reservoir. Start with a low setting of 1.4 bar (20 psi). If using a Nordson EFD fluid reservoir, refer to the operating manual for further instructions.

3. Install an appropriate size dispensing tip on the outlet tip adapter. Use large tips for high viscosity materials and small tips for low viscosity materials.

4. Press the hand lever to begin fluid flow. Release the lever to stop fluid flow.

5. To achieve the desired flow, change the size of the dispensing tip or adjust the reservoir fluid pressure.

Typical System Setup

#7002002
5-micron filter / regulator for clean, dry filtered factory air

For dispensing with cyanoacrylates, order #7016548 with coalescing filter.

#7020105
Hand-lever valve stand

#7010004
1.0 liter tank accommodates a one pound bottle

Shutoff valve
Service

⚠️ **CAUTION**

Check the reservoir pressure gauge prior to performing any maintenance to ensure that the pressure is zero (0). To confirm this on EFD tanks, slide the shutoff valve on the air hose away from the tank, then open the pressure relief valve on the tank.

Normal cleaning is accomplished by purging with appropriate solvent. Some material, however, may cause a buildup on the fluid body and diaphragm, which will require a periodic thorough cleaning by removing the fluid body.

**To remove the fluid body:**

Remove the two retainer screws. It is not always necessary to remove the fittings from the fluid body for cleaning. If the fittings must be removed, be careful — solidified material on the fitting thread could cause the fluid body thread to strip out.

**NOTE:** Avoid using sharp probes for cleaning. Any scratches or nicks on the diaphragm or the sealing side of the fluid body may cause the valve to leak and require replacement of both the diaphragm and fluid body.

**To reinstall the fluid body:**

1. Align the fluid body holes with the diaphragm and air cylinder body holes, and reinsert the retainer screws. Tighten 1/2 turn after the screws contact the fluid body. Proper torque is 0.75 N-m (7 in.-lb).

2. If the diaphragm holes do not line up with the tapped holes in the air cylinder body, follow Step #4 on the next page.

**Tools required:**

- 7/64" hex wrench
- 1/8" flat tip screwdriver
- Snap ring pliers (customer-supplied)
- 6" adjustable wrench (customer-supplied)

1. Engage the screwdriver in the piston shaft and hold.

2. To unscrew the diaphragm, turn counterclockwise.
Service (continued)

⚠️ CAUTION

Check the reservoir pressure gauge prior to performing any maintenance to ensure that the pressure is zero (0). To confirm this on EFD tanks: slide the shutoff valve on the air hose away from the tank, then open the pressure relief valve on the tank.

To change the diaphragm:

1. Remove the fluid body.

2. Place the 1/8" flat tip screwdriver (supplied) through the center hole in the air cylinder cap. See above. Engage the slot in the end of the piston shaft. While holding the screwdriver, unscrew the diaphragm counterclockwise.

3. While holding the screwdriver, carefully thread on the new diaphragm. Be careful not to strip or cross-thread the diaphragm thread. Finger-tighten with medium pressure until the diaphragm bottoms against the shoulder on the piston rod.

4. Before installing the fluid body, determine the operator’s desired position of the fluid inlet fitting. Use the screwdriver inserted through the hole in the air cylinder cap to align the holes on the diaphragm with the appropriate holes in the air cylinder body. Holding the air cylinder body, rotate the piston shaft clockwise using the screwdriver until the appropriate holes line up.

5. Reinstall the fluid body. Tighten the retainer screws 1/2 turn after they contact the fluid body. Proper torque is 0.75 N·m (7 in.-lb).