Introduction
The 725-HL (#7020888) dispense gun is a rugged, industrial, hand-operated fluid dispensing valve. The valve incorporates a quick-change fluid body for fast and easy maintenance. Included with the valve are two fluid inlet fittings for 1/4” OD or 3/8” OD feed tubing and an assortment of dispensing tips.

Operation

1. Install the fluid fitting into the inlet port 1. Use the 1/4” fitting for low to medium viscosity fluids and the 3/8” fitting for high viscosity fluids.

2. Install the appropriate size feed tube on the inlet fitting and tighten the compression nut to secure. The position of the inlet fitting can be adjusted. Loosen the fluid body retaining nut 2, rotate the fluid body to the desired position, and tighten the retaining nut.

3. 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.

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

5. Pull the trigger to begin fluid flow. Release the trigger to stop flow.

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

Follow the exact sequence below to service the fluid body.

1. Loosen the retaining nut 1 and remove the fluid body.
2. Insert the maintenance rod 2 and remove the fluid body cap 3.
3. Insert the rod 4 through the push rod hole and remove the sealing head 5 with a flat screwdriver. Remove the rod 4.
4. Hold the rod 2 and remove the fluid body adapter 6 from the fluid body.
5. Insert and hold the rod 4 and remove the shaft 7 and diaphragm.
6. Clean the fluid body components and replace the sealing head and diaphragm if required.
7. Install the diaphragm in the direction shown in Figure 1. Hold the rod 4 and install the shaft; tighten to 1.69 N•m (15 in.-lb).
8. Apply a film of lubricant to fluid body shoulder “A”. Hold the rod 2 and reinstall the adapter 6. Tighten to 13.56 N•m (10 ft-lb).
9. Insert and hold the rod 4 and install the sealing head; tighten to 1.69 N•m (15 in.-lb). Install the fluid body cap 3.
10. Install the fluid body onto the handle, align the body to the desired position, and tighten the retaining nut 1.

Maintenance Tools:
- 1/8” rod (7021552)
- 1/8” NPT maintenance rod (7021079)
- 10” adjustable wrench
- Flat screwdriver (customer supplied)