

Installation of C810-F

WARNING !

Failure to follow these instructions or to properly install and maintain this equipment could result in personal injury or death.

Equipment must be installed, operated and maintained in accordance with federal, state and local codes. The installation must also comply with NFPA No. 70 and ANSI K61.1, (CGA G-2.1) standards or local authority having jurisdiction.

Only personnel trained in the proper procedures, codes, standards and regulations of the Anhydrous Ammonia industry shall install and service this equipment.

The Type C810-F 12 Volt electrical release can be used for Anhydrous Ammonia applications **ONLY**. Do not use with any indoor or an enclosed NH3 application, **or any other hazardous location. DO NOT USE IN LPG/PROPANE SERVICE.**

NOTE: REFER TO THE INTERNAL VALVE INSTRUCTION MANUAL SUPPLIED IN BOX FOR ALL WARNINGS, CUSTOMER NOTIFICATIONS, SPECIFICATIONS, OPERATION, CAUTIONS, MAINTENANCE, & PARTS.

Valve Types

The C810-F works only with Fisher® 2" & 3" Internal Valves. These valves have two different hardware designs that secure the gland to the body. The Current Valves have a Stud-Type Mounting System. The older Valves have a Screw-Type Mounting System.

Installation For Stud-Type Valves

1. Safety Equipment (i.e. gloves, goggles, & clothing) must be worn before continuing with the next step.
2. **Warning ! Before Proceeding to the next step the system must be purged of all product.**

3. Remove Stud Caps, Nuts, & Washers from Gland Assembly. Leave Studs & Gland Assembly in place. Retain Stud Caps, Nuts, & Washers.



NOTE: Keep these parts for reassembly.

Tool Used: 9/16" Open End Wrench

4. Install Bracket over studs as shown. The Bracket must be parallel to Gland Assembly to slide over studs.



5. Secure the Bracket with Nuts & Washers from Step 1. Reinstall the Stud Caps.



Tool Used:
9/16" Open End Wrench

6. Install the lever onto the Stub Shaft as shown. Hold the lever toward the 7 o'clock position and slide onto Stub Shaft. Then line lever up with the Lock Hole.



Lock Hole

7. Secure the Lever to Stub Shaft with the Cotter Key that is Provided. Bend the ends of the Cotter Key so that it does not come out. Push the lever to the left just a bit to get the holes to line up.



Cotter Key

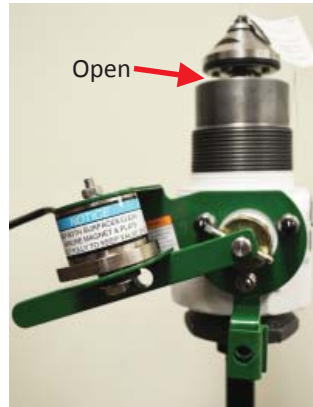
Tools Used: Pliers

Installation For Stud-Type Valves Continued

8. Connect electromagnet to the 12 V DC system and turn on voltage to the electromagnet.
9. Raise Handle up to open valve. Strike Plate should latch against Surface of Electromagnet and stay attached to the Surface of Strike Plate while voltage is applied. Valve must stay open. **Upon de-energizing the Electromagnet, the Handle and Valve must quickly "snap" closed.** The Handle and Valve must quickly rotate and close either when (a) the power source is turned off or (b) the handle is pushed closed from the latched open position.

WARNING !

**NEVER WIRE OPEN OR BYPASS
MAGNET TO HOLD VALVE OPEN.**



Power On & Valve Open.



Power Off & Valve Closed.

Installation For Screw-Type Valves

1. Safety Equipment (i.e. gloves, goggles, & clothing) must be worn before continuing with the next step.
2. **Warning ! Before Proceeding to the next step the system must be purged of all product.**
3. Remove Screws & Washers from Gland Assembly. Retain Screws & Washers.



**NOTE: Keep these parts
for reassembly.**

Tool Used: 9/16" Open End Wrench

4. Slide Bracket over Gland Assembly as shown.



5. Secure the Bracket with Screws & Washers from Step 1.



*Tool Used:
9/16" Open End Wrench*

Refer to Steps 6 - 9 of Installation For Stud-Type Valves to finish install.

Locking Option



**Valve Can Be Locked As
Shown In Above Photo.**

Padlock Not Included.