

Marshall Excelsior

Gas Connections

Installation Instructions For: ME980-905, ME980-905-25 and ME980-905-50

!!!WARNING!!!

READ AND UNDERSTAND ALL INSTRUCTIONS INCLUDED WITH THIS INSTRUCTION MANUAL. RELIEVE ALL PRESSURE FROM SYSTEM BEFORE SERVICING VALVE

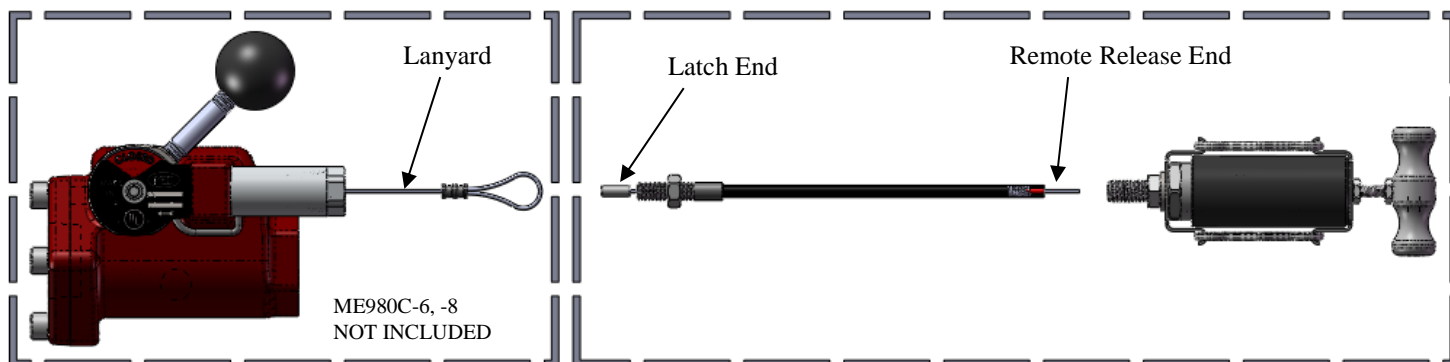
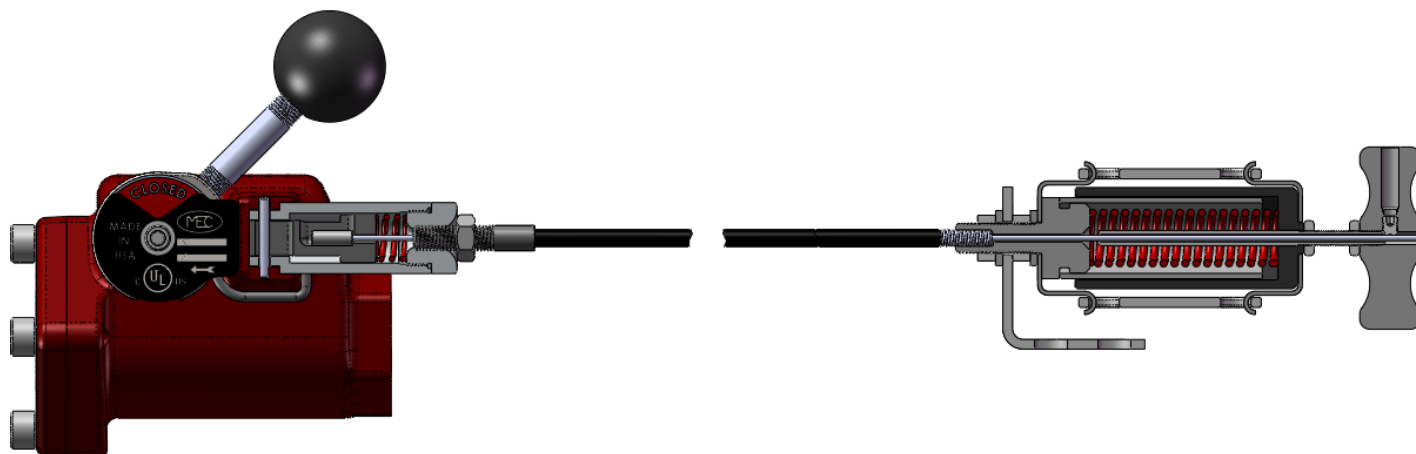


Figure 1



WARNING!

Failure to follow these instructions or to properly install and maintain this equipment could result in an explosion and/or fire causing property damage and personal injury or death.

Marshall Excelsior equipment must be installed, operated, and maintained in accordance with federal, state, and local codes and MEC instructions. The installation in most states must also comply with NFPA 58 or ANSI K61.1 standards.

Only personnel trained in the proper procedures, codes, standards, and regulations of the LP-Gas or anhydrous ammonia industries should install and service this equipment



WARNING: These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

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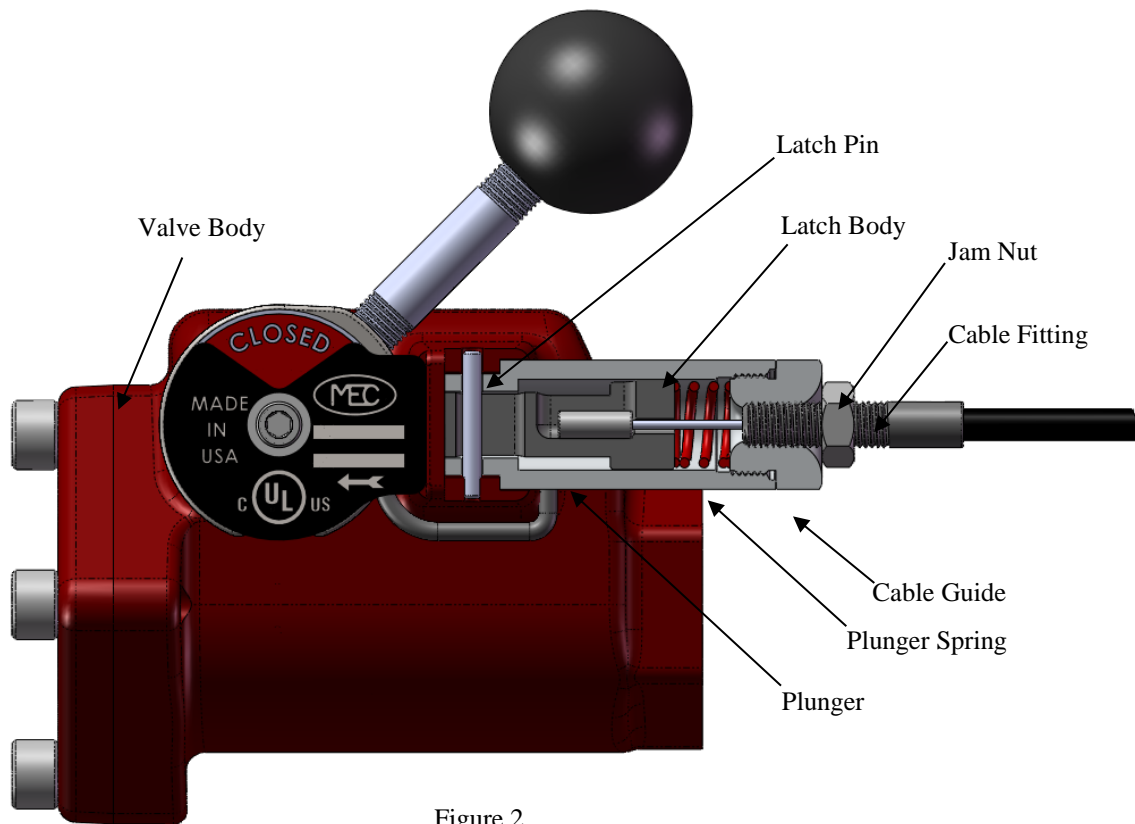


Figure 2

CABLE RELEASE CONNECTIONS

WARNING!

Remote release cables shall be installed so that they will close the ME980 valve(s) when pulled from the farthest remote location. Cable shall operate smoothly, over pulleys and/or through conduit. Do not kink cable or run cable around sharp corners. If installed in conduit, keep water out of conduit. Frozen water, dirt or dried mud in the conduit will render the remote release inoperable.

Remote releases used on ME980 valves shall not:

- (a) be made from plastic or fiber rope;
- (b) have any kind of fusible link which could melt and prevent the cable from pulling the ME980 latch.

To provide a remote release, aircraft cable can be connected to the short looped cable on the valve and run to the remote release point over pulleys or through conduit. Adjust the cable so that minimal pull is required to close the emergency valves.

ME980-906-25 or ME980-906-50

Cable Installation

To connect an ME980 remote release assembly, which is supplied with either 25' or 50' of cable:

1. Run the inner cable and housing assembly to the remote release point. Leave enough slack on each end for a smooth, flowing path, without sharp bends in the cable, between the ME980 latch and remote release handle.
2. If it is necessary to cut the cable to a shorter length, pull about one foot of inner cable from the ME980 latch cable end (end with the 3/16 by 1/2" long cylindrical cast fitting, (see Figure 1) from the housing).

At the remote release end (other end of inner cable housing assembly), cut the cable jacket and inner cable at desired length. Push the excess inner cable back through

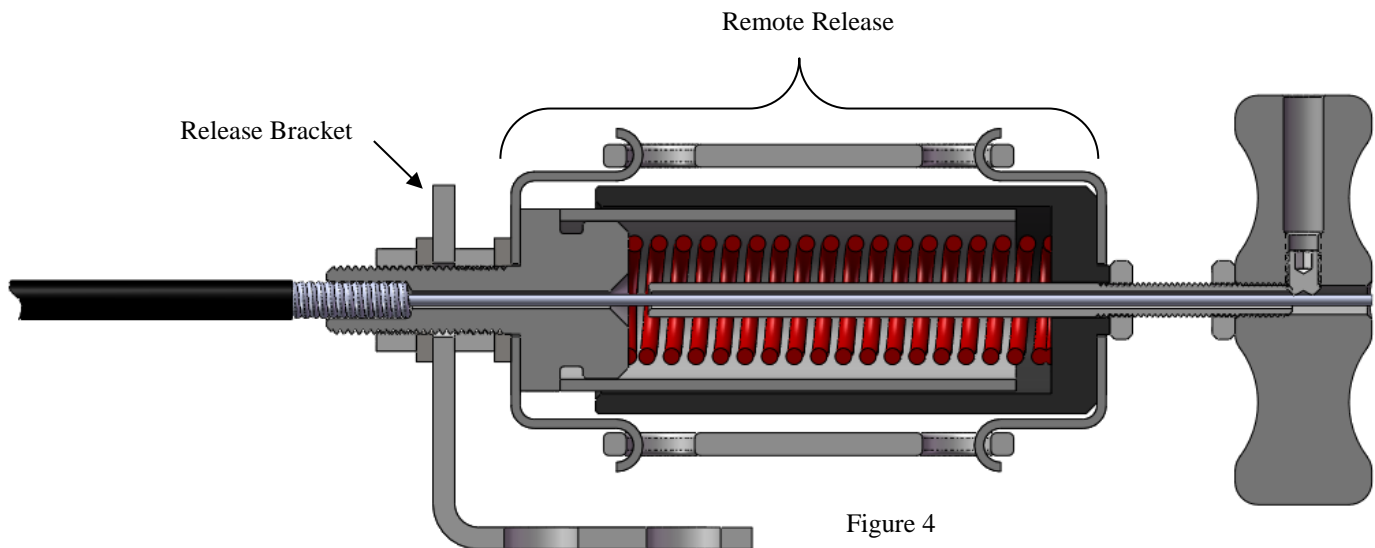


Figure 4

- the housing so that the bare cable extends from the remote release end.
3. Close the ME980 valve
4. Unscrew the cable guide from the latch body.
5. Remove the latch pin from the valve body and remove the latch body from the valve body.
6. Remove the plunger, spring and lanyard (not shown).
7. Thread the cable guide onto the latch end cable fitting and tighten the jam nut.
8. Install the spring on the cable and insert the cable end in the plunger.
9. Install the plunger, spring and guide into latch body and **TIGHTEN SECURELY**.
10. Align the slot in the plunger, insert the latch body into the valve body and pin in place with latch pin.
11. Mount the remote release bracket to a suitable stationary support and mount the remote release to the bracket.
12. At the remote release end, strip 3/4" of vinyl cover from cable jacket.
13. Insert the inner cable end completely through the remote release with pull handle pushed all the way in. Release cable should extend beyond the pull handle.
14. Pull any slack through the remote release (with the pull handle pushed all the way in) and **TIGHTEN CABLE SET SCREW SECURELY**.
15. Test the remote release and ME980 operation from the most remote location. Rotate ME980 valve handle to open valve. Valve must stay open. **HANDLE AND VALVE MUST QUICKLY "SNAP" CLOSED** when (a)

the remote release cable is pulled, and (b) ME980 valve handle is pushed closed from the open position.

16. Cut-off excess cable from pull handle.

WARNING!

All open ME980 emergency valve(s) attached to the remote release must properly close when the release cable is pulled.

Maintenance

WARNING!

Only qualified service personnel should attempt to repair these valves. Before starting any type of repair, close off the upstream valves in the system and remove all pressure from both the inlet and outlet of the ME980 Emergency Shutoff Valve.

At least once a month, inspect and check the following:

1. See that the remote release is properly connected, works freely, and is not worn. Operate the release to make certain it closes the valve. If the valve closes slowly, packing replacement may be required.
2. Make sure that the lever, latch, and release are working smoothly. The latch parts and lever are easily accessible for replacement or repair by removing the securing bolts.
3. Check for packing and joint leakage.