



High Pressure Gas Meter Valves

Plug Style Instructions

NOTE: These valves are designed for use with natural, manufactured or LP gas only.

All A.Y. McDonald plug style gas valves are factory set. DO NOT TAMPER WITH BOTTOM NUT.

1. Read instructions before valve installation or maintenance.
2. Inspect valves for foreign material. Remove any foreign material, being careful not to disturb grease on the plug face.
3. Always apply a quality grade pipe thread sealant to the pipe before installation - do not use teflon tape. Excess pipe sealant contacting the plug surface may cause the valve to leak.
4. Always use wrenching flats nearest to connection point. Never insert a tool into the port area of the valve to thread it onto the pipe. Incorrect tightening or overtightening of the valve on installation can cause valve failure.
5. Installation torques should be reduced when using pipe heavier than schedule 40.

CAUTION: Soaps, solvents or fluids containing Glycol that are used for testing or cleaning the valve are NOT to have any contact with the internal plug sealing surface.

Never try to disassemble an A.Y. McDonald valve. If the valve is damaged or otherwise not functional, immediately remove the valve and replace it with a new one.

CAUTION: Do not use valve for purging service line.

Valves with Insulated or Non-Insulated Union Ends

A.Y. McDonald's O-ring design insulated end assures positive sealing and long lasting service.

The **insulated end** is properly assembled to the valve by tightening the union nut hand tight plus 1/4 to 1/2 turns.

CAUTION - Excessive tightening could cause leakage.

The **non-insulating end** piece is properly assembled to the valve by tightening the union nut hand tight plus 1/4 to 1/2 turns.

If the O-ring is removed from the end piece, it can easily be replaced as follows:

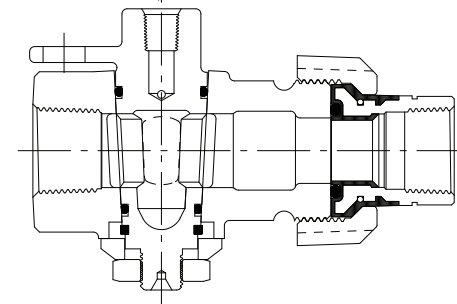
1. Lay the O-ring in the groove - don't force it with your fingers. Caution - O-ring and groove must be free of foreign material. A coat of petroleum jelly should be applied to the O-ring after assembly.
2. Hand tighten the union nut onto the valve to uniformly press the O-ring into the groove.
3. This uniform pressure of the meeting of the valve and the end piece will properly seat the O-ring.



Relubrication Instructions

For 175 PSIG Relube Valves

1/8" Relube Plug



NOTE: These valves are designed for use with natural, manufactured or LP gas only.

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1. A.Y. McDonald 175 PSIG gas valves may be re-lubricated in the full open or the full closed position when the valve is pressurized or unpressurized.
2. Remove the 1/8" NPT Allen Head pipe relube plug from the re-lubrication port in the head of the valve plug.
3. Fill the lube port with A.Y. McDonald approved lubricant and re-tighten the 1/8" pipe relube plug to move grease into the lubrication channels of the valve. Repeat as required to allow the valve to turn freely.

NOTE: Replacing the 1/8" relube plug with a standard 1/8" grease zerk will also allow easy re-lubrication of these valves. In either event, care should be taken to prevent over-lubrication.

4. After re-lubrication, the 1/8" Allen Head pipe relube plug should be securely replaced in the relube port in the head of the valve plug.

A small amount of gas leakage may be observed during this procedure, depending on the amount of lubrication already in the valve body.

NOTE: Other commercially available relube tools may be used. Check with A.Y. McDonald before using.

100 PSIG gas valves do not have lube ports and cannot be relubricated.