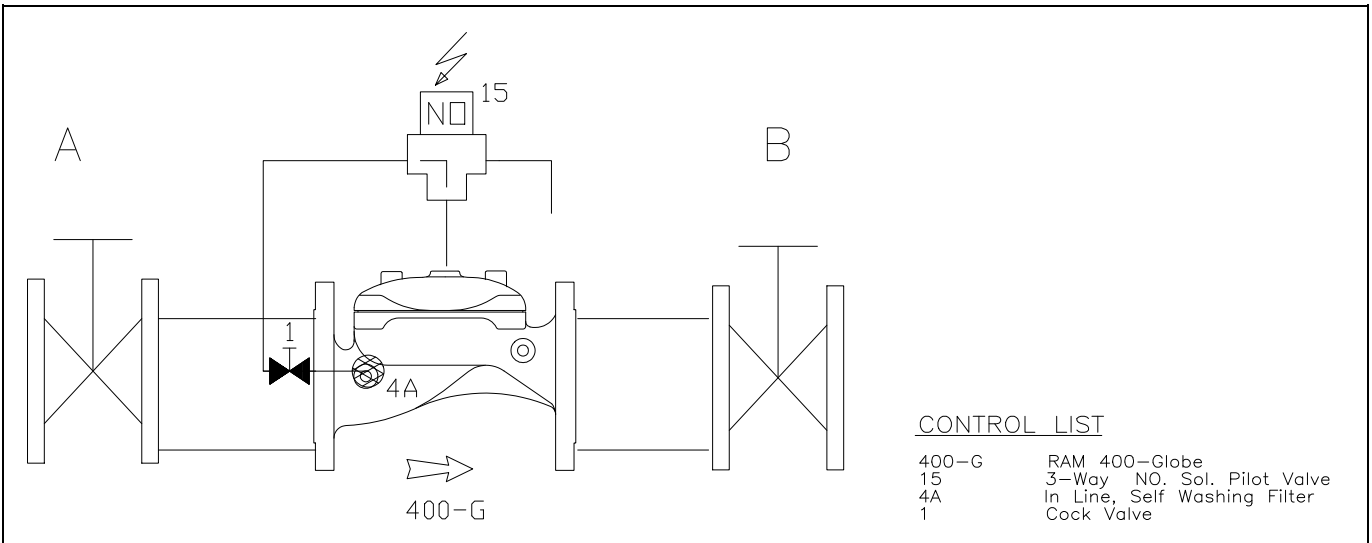


ELECTRIC REMOTE CONTROL VALVE

■ MAINTENANCE ■ OPERATION ■ INSTALLATION



DESCRIPTION

Model 410 Electrical Remote Control Valve is designed to open and close drip-tight in response to an electrical signal.

Note: The standard model is normally closed (N.C.) [energized to open]. The normally open (N.O.) model is also available on request.

INSTALLATION

1. Allow enough room around the valve assembly for any adjustments and future maintenance / disassembly work.
2. Thoroughly flush the pipeline to remove any dirt, scale, debris etc. - failure to do this may result in the valve being inoperable.
3. Isolation valves A and B should be installed upstream and downstream of the Bermad control valve to allow future maintenance operations.
4. Install the valve in the pipeline with the valve flow arrow on the body casting in the proper direction. Use the lifting eye provided on the main valve cover for raising and lowering the valve. Install the valve horizontally with the cover up. Ensure that the valve is positioned so that the diaphragm assembly can be easily removed for future maintenance.
5. After installation, carefully inspect /correct any damaged accessories, piping, tubing, or fittings.

ON LINE STATIC TEST PROCEDURES

OPEN VALVE: STATIC TEST

1. Close cock valve 1 to isolate the solenoid. This prevents dirt exposure in the control loop.
 2. Remove the cover plug on the main valve cover.
- Caution:** This will allow the valve to open fully - ensure that it does not cause system damage.
3. Check for leaks at the flange connection, fittings etc.
 4. Replace the cover plug.

CLOSE VALVE: STATIC TEST

1. Open cock valve 1, allowing the valve to close tightly.
2. Check for leaks.

START-UP OPERATION

Note: check the solenoid specification marked on the solenoid cover to prevent coil burn-out.

1. Open cock valve 1.
2. Energize the solenoid if the valve is the N.C. option or de-energize if the valve is in the N.O. option. The valve will open fully.