

V5011P, V5013P Two-Way and Three-Way BSPT Threaded Globe Valves

INSTALLATION INSTRUCTIONS

DESCRIPTION

V5011P valves are single-seated, two-way, straight-through valves that provide control of steam, glycol solutions (up to 50 percent concentration) and hot or chilled water in HVAC systems requiring tight shutoff. V5013P valves are three-way mixing valves that provide proportional control of glycol solutions (up to 50 percent concentration) and hot or chilled water in HVAC systems. V5013P valves direct the flow from one of two inlets to a common outlet (mixing).

V5011P and V5013P are suitable for actuation with pneumatic actuators such as MP953; for actuation with electric operators such as Modutrol IV Motors when used with Q5001 linkage; for electric actuation using valve direct coupled actuators such as ML6874, ML7984, ML6421, ML7421, ML6425, and ML7425. Refer to actuator specifications to determine dimensional, wiring and mounting requirements for a particular actuator. Table 1 shows available size and flow capacities for the valves. The stroke for both valves is 3/4 in. (20 mm).

Table 1. V5011P and V5013P Size and Flow Capacities.

Valve Size		V5011P, V5013P	
In inch	In mm	Cv	Kv
1	DN25	11.7	10.0
1-1/4	DN32	18.7	16.0
1-1/2	DN40	29.3	25.0
2	DN50	46.8	40.0

INSTALLATION

When Installing this Product . . .

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given on the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a train, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.

IMPORTANT

1. Do not lift the valve by holding the stem.
2. Mount the valve body with the stem upright to 90 degrees from vertical. Do not mount the valve with the stem pointed lower than horizontal.
3. Mount the valve with the flow arrow pointed in the direction of flow through the valve.
4. Mount the valve between pipes which are in line. Mounting the valve on pipes that are not aligned causes leakage at the valve to pipe connection.
5. Ensure complete engagement on pipe to valve body threads.
6. Hold the valve body with a clamp or pipe wrench on the hexagonal fitting nearest the pipe to prevent damage to the valve body while mounting on the pipe. Refer to Fig. 1.
7. Be sure to allow enough room for installation and service. Clearance for installation of the valve is dependent on the size of the actuator and the pipe size of the valve.