



ProTips

3-Way T-Port Valve

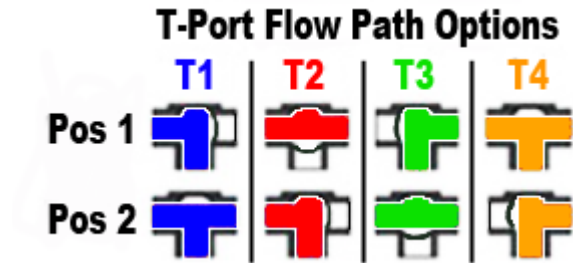
- ❖ 3-Way T-Port ball valves allow the greater flexibility of several flow paths not available with other valve series, including L-Port valves.
- ❖ Whether used as a manual valve or mechanically actuated, the flow path can be easily changed from the default position.
- ❖ The following instructions are a simple walk-through on how to change the valve flow path, and the possible options available for a different flow path.

Manual Valve Flow Changes

Metal T-Port valves allow standard 90° rotations, controlled by a handle stop pin.



Manual valve flows can be easily modified in the field to four distinct flow path options:



Moving the handle stop pin to one of the four outermost holes on the valve mounting pad allows selection of four possible flow path options (columns marked **T1**, **T2**, **T3**, or **T4**.) Each flow path option has two positions, as shown by **Pos 1** and **Pos 2**.

Flow path choices allow the option of selecting, mixing, diverting or even straight through media flow in the exact direction your piping design requires. (The stop pin may also be removed to allow for free rotation across 360°.)

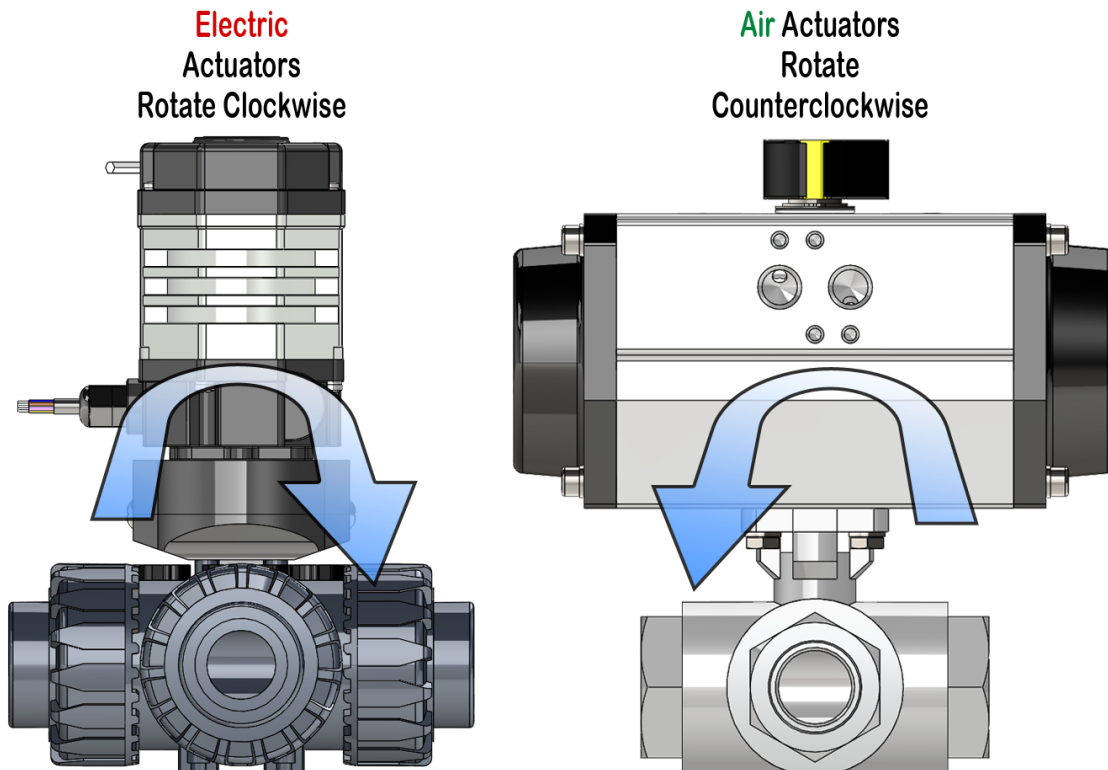
Note: Valve and handle ship in flow path **T2**, **Position 1** as a standard.

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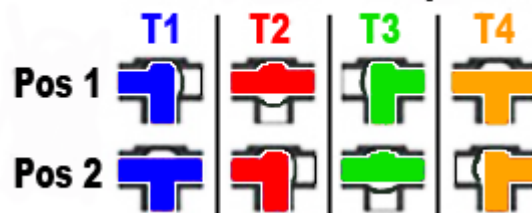
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Actuated Valve Flow Changes

**All T-Port valve flow paths can also be easily changed in the field.
Note: Air and Electric actuators rotate in opposite directions.**



T-Port Flow Path Options

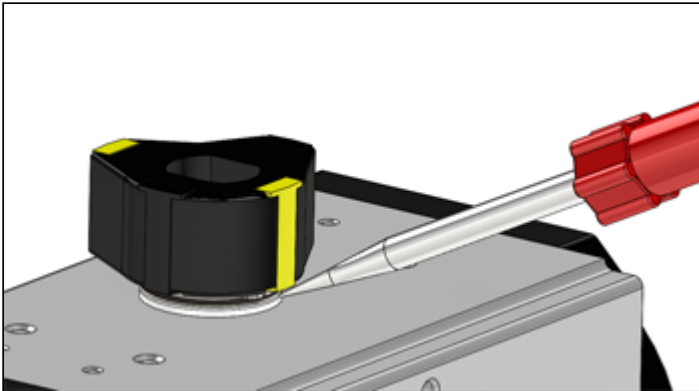


Actuated valves are assembled with either 4 bolts (METAL valves) or a 2-piece plastic kit (PVC valves). Remove the bolts that hold the valve onto an actuator to access the valve stem and rotate it to select the four possible 90° flow paths options from the columns marked **T1**, **T2**, **T3** or **T4**.

The illustration above represents flow as color, tracing the path through the valve, and any blocked off ports that prevent flow.

❖ **Electric** actuators require the valve be set up in one of the four **Position 2** options shown with the actuator de-energized (indicator OPEN). When energized, the actuator will rotate valve flow 90° to Position 1 (indicator CLOSED).

❖ **Pneumatic** actuators require the valve be set up in one of the four **Position 1** options shown with the actuator de-energized (indicator CLOSED). When energized, the actuator will rotate valve flow 90° to Position 2 (indicator OPEN).



Yellow indicator tabs on air actuators may be changed to match the new flow path by prying each tab upward with a screwdriver as shown.

Flow path choices allow the option of selecting, mixing, diverting or even straight through media flow in the exact direction your piping design requires.

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