



Installation Requirements for DHV brand Globe Valves

Vertical orientation requirement of valves during operation, testing, and installation is prescribed to all globe valves sized 8" 150lb and above, 6" 600lb and above, and 4" 1500lb and above.

Assembly

Includes all hand wheels or gearboxes.

- All globe valve operators must be assembled with the stem in the upright position vertically above the valve's centerline.
- Gearboxes and necessary adapters must conform to the valve's ISO pad top works design.
- Adapter plates and gears must be bolted to the valve top works plate using the correct bolt size, torque, and tightening pattern.
- The stem must be protected at all times from unnecessary movement, stress, force or other potential damage while insuring the stem remains centered in the yoke tube during installation

Operation

Globe valves must be oriented with the stem in the vertical position any time the valve is operated or cycled.

- Personnel installing the operator must ensure there is no abnormal stem movement or run out during operation.
- All "stops" and or "limits" must be correctly set to prevent damage or unnecessary wear to the valve.

Testing

Applies to all methods of hydro testing and pre-commissioning testing.

- Globe valves must be oriented with the stem in the vertical position during any operation and testing processes.
- Procedures must be compliant to API 598 specifications.

Installation

- Globe valves must be installed and operated in the vertical position only.
- Manual globe valves must always be either fully open, or fully closed once installed and are not designed or intended for throttling applications.

Shipping

Valves need to be fully closed during shipment and gearboxes need to be braced to support the extra weight at the top end of the valve.

Failure to follow these manufacturer prescribed requirements will void any warranties