

Installation Guidelines for DHV brand Gate Valves

Assembly

Includes all non DHV branded hand wheels, gearboxes, or actuators.

- DHV recommends all gate valves operators are to be assembled in the upright position.
- Gearboxes, actuators and necessary adapters must conform to the valves ISO pad top work design.
- It is important that adapter plates and gears should be bolted to the valve top work plate using the correct bolt size, torque, and tightening pattern.
- Care should be taken to protect the stem 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

Gate valves should be operated in the vertical position.

- DHV recommends any operation of the valve should take place when the valve is in the vertical position.
- Personnel installing the operator should insure there is no abnormal stem movement or run out during operation.
- It is extremely important that all “stops” and or “limits” are correctly set to prevent damage or unnecessary wear to the valve.

Testing

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

- DHV recommends all testing and operation of the valve should take place when the valve is in the vertical position.
- Appropriate procedures compliant to API specifications is highly recommended.

Installation

Gate valves are best suited for operation in the vertical position.

- DHV recommends the installation of all gate valves should be in the vertical position.
- Gate valves should 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 actuators need to be braced to support the extra weight at the top end of the valve.

Failure to follow these manufacturer prescribed guidelines will void any warranties