



Installation & Automation Requirements for DHV Ball Valves

Assembly

Includes all non DHV branded hand levers, gearboxes, actuators, and any connecting adaptor plates and/or couplings.

- Gearboxes, actuators and necessary adapters must conform to the valve's ISO pad top work design where applicable.
- It is important that adapter plates and gears should be bolted to the valve's top work plate using the correct bolt size, torque, and tightening pattern.
- Care should be taken at all times to protect the stem from any movement, stress, force or other potential damage while ensuring the stem remains centered in the valve mounting flange during installation.
- Automation mechanisms must be designed, assembled, and supported in a manner as to not exert uneven or unbalanced forces on the valve assembly that could contribute to a side load condition.

NOTE: DHV valve top works fully comply with the requirements set forth in ISO 5211 latest edition. All gears or actuators assembled to DHV valves shall comply with the requirements of ISO 5211 latest edition. Additionally, all gears or actuators shall utilize a spigot return to ensure proper ISO pad alignment on all connections and/or attachments including valve, adapter plates, gearboxes, and actuators. Exceptions may be considered based on order requirements outlined in the purchase order.

Operation

- Personnel installing the operator must ensure 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.

- Procedures must be compliant to API specifications.
- Always ensure any vents or drains opened during the testing process are securely closed upon completion of the test.

Installation

- Ball valves are best suited for operation in the horizontal position.
- Ball 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 open 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 requirements will void any warranties