



## **Installation Requirements for DHV brand Ball Valves**

### **Assembly**

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

- Gearboxes, actuators and necessary adapters must conform to the valve's ISO pad top work design.
- 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.

### **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**