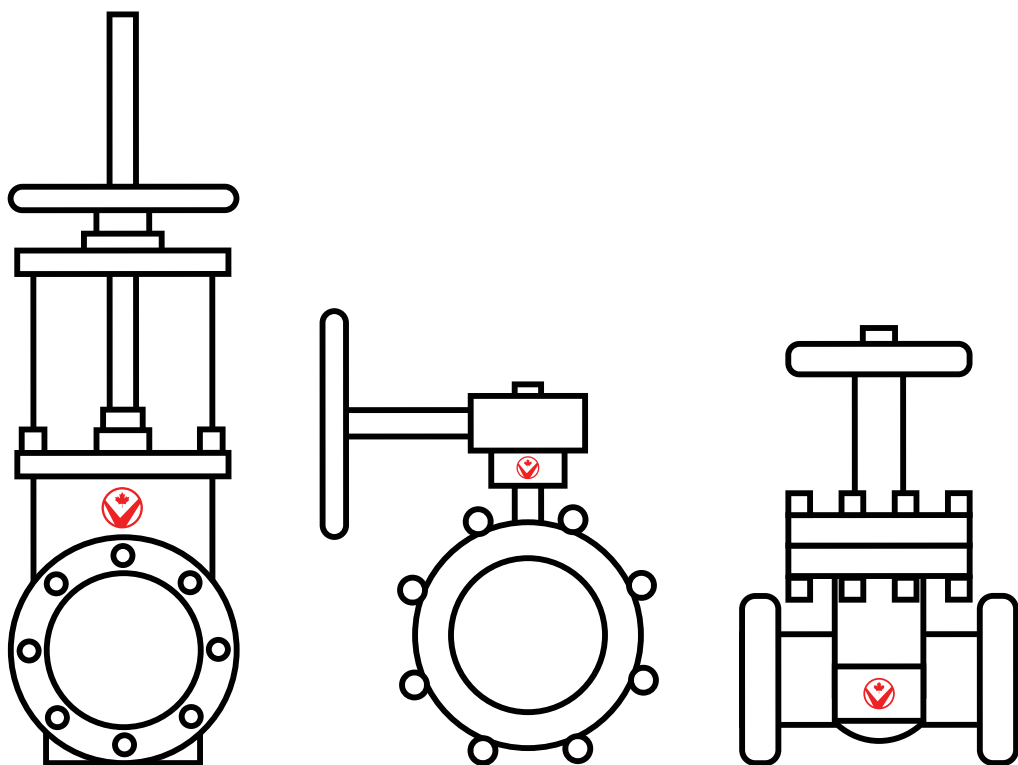




Long Term Valve Storage and Preservation

Manual

Customized valve solutions
for the toughest applications.





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Routine Inspection

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Overview

The purpose of this document is to identify proper long term storage of valves to retain product integrity during storage up to 5 years.

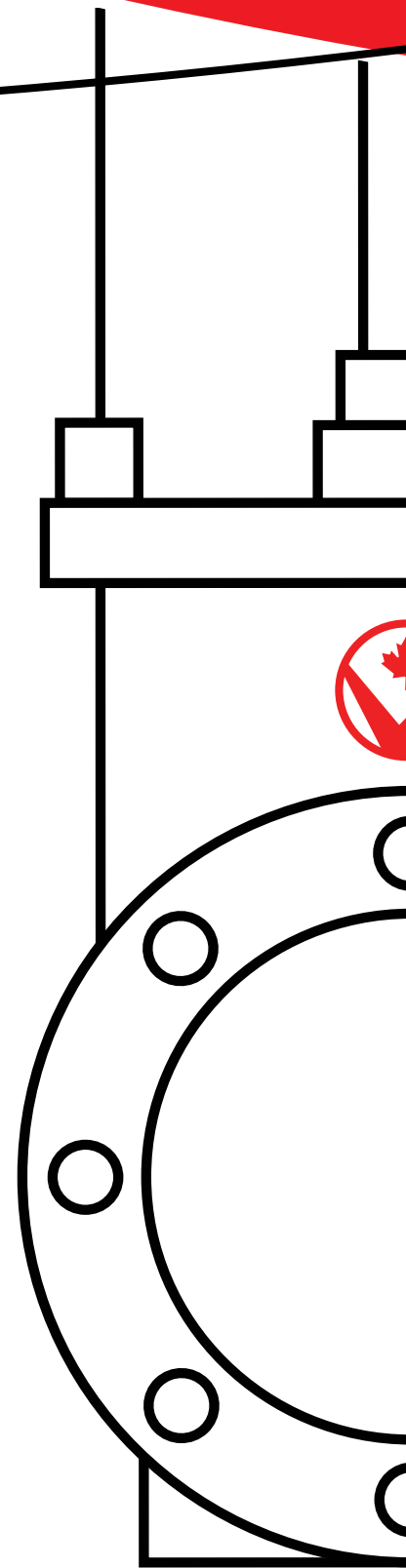
Storage Preparation

If valves are not to be installed upon receipt, then it is recommended that the valve be stored in the original factory packing in a clean dry warehouse until ready for installation. Shipment should include a drying agent packet (desiccant packs) to absorb moisture. If some valves have been removed and these packets with the valves, add more packets and seal the shipment. Ensure all valves have flange covers installed protecting serrated finishes and valve internals. For exposed steel, spray on a rust inhibitor for further protection.

Storage Location and Environment

The shipment should be stored in a clean, dry and protected warehouse. If valves are to be stored outside, the valves are to be kept clean and dry and in the original enclosed shipping crate.

Maintain a stable temperature and humidity level within the storage area. Ideally, keep the temperature between 20°C to 25°C (68°F to 77°F) and relative humidity between 40% to 50%. Ensure proper ventilation to prevent the buildup of moisture and reduce the risk of corrosion. Avoid storing valves in direct sunlight or under harsh lighting, as this may degrade certain valve materials and coatings. Protect the valves from dust, dirt, and other contaminants by storing them in sealed containers or covered racks.



Storage and Preservation Manual

Orientation

Valves can be stored in a vertical or horizontal orientation. Soft seated valves should be partially open and in an orientation that does not damage the rubber seats.

Routine Inspection

Visual inspection of shipment and valves to be performed every 6 months. The inspection should include checking the packing and valve internals for dryness and cleanliness.

Pneumatic Actuators

Pneumatic actuators and pneumatically actuated valves should be cycled once per month. The pneumatic cylinder ports should be lubricated with hydraulic fluid and covered with plastic pipe plugs when storing for longer than 1 year. Perform a cycle test and apply hydraulic fluid to ports on an annual bases for up to 3 years.

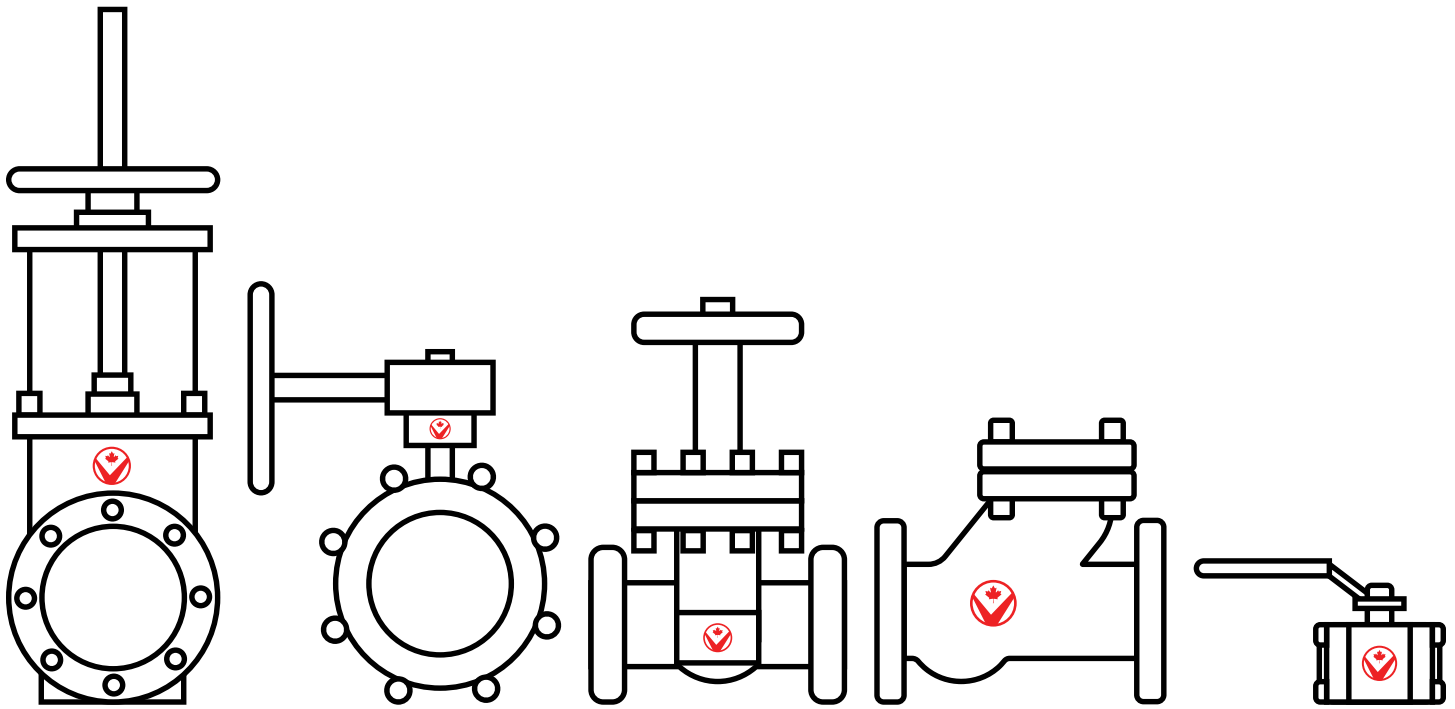
Electrical Actuators

Electrical actuators and electrically actuated valves can be stored for up to 2 years. Spray electrical contacts with a multipurpose lubricant that is safe for electronics to act as a corrosion inhibitor when storing for longer than 1 year.

Notes

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