

Common transport, storage and handling conditions



1 In general

The shut-off valves must be transported and stored in a slightly opened position with non-pressed sealing element (rubber-lined wedge, knife sealing, rubber collar of the disk, etc.).

According to the type of construction the valves must be kept in stable position laying on one of the flanges, in standing position on the flange foot or on the threaded rods (dismantling joints) in order to protect the functional parts from turnover or damage.

The valve with handwheel, with chain wheel or with the actuator must be underlaid (e.g. with wooden beams) in order to protect the connection between the valve and actuator from lateral loads.

If there are more products loaded on one pallet, they must be interlaid (e.g. with cardboards) so that to protect them from mutual abrasion.

The anti-corrosion protective coating and the rubber parts must be protected against damage and external environmental influences, otherwise it would not be possible to guarantee their functional properties on a long-term basis. Above all it is necessary to avoid their long-term exposure to UV radiation (i.e. direct sunlight).

2 Transport

In case of transport under specific climate conditions (e.g. overseas transport) the relevant International Standards for Phytosanitary Measures No. 15 (ISPM 15) must be followed.

For transport purposes it is possible to band more pallets into a single bundle. When on the truck the pallets must be secured by tie-down straps.

3 Storage

The valve must be stored beyond the direct reach of the heat sources in a dry, ventilated place and in a stable environment with the temperature range from -20 °C to +50 °C. In case of storing the valve at the temperatures below 0 °C, it must be slowly heated at least to +5 °C before installation.

In case of valves equipped with actuator also the conditions for storage stated in the documentation of the particular actuator must be complied with.

The protective enclosures of the connections and flanges and the packaging material shall be removed only immediately before the installation.

During the long-term storage the inspections of conservation of the valves must be performed within not more than half-year cycles and to renew the conservation wherever appropriate.

4 Handling

In case that for the purpose of transport the pallets were banded into a single bundle, such bundles must be unloaded from the truck as a whole. It is permitted to remove the bands only after unloading.

The europallets and half pallets must be handled in a standard manner. The atypical pallets must be picked up by means of forklifts on their longer edge from the side of higher load, in order to prevent overturning or spilling of products. The forklift operators must have the adequate training.

During handling or for the purpose of making the installation easier textile slings corresponding to the weight of the valve (see the relevant catalogue sheets) may be used. The use of metal slings could lead to the damage of anti-corrosion protective coating of the valve and therefore it is not permitted.

As a standard the slings can be placed under the valve body or in case of valves with large nominal diameters equipped with steel lifting eyes, they can be installed through these lifting eyes. The control valves have special pre-casted holes on the valve body intended for the purpose of placing the slings.

The valve should never be lifted by the handwheel or by the actuator.

If the valve was delivered in the wooden box, take into consideration the position of the centre of gravity (which is marked on the box).