

# STORAGE AND INSTALLATION

## STORAGE

Store the valve in dry, dark and cool conditions, preferably indoors with the actual valve temperature higher than 0°C. If outdoor storage is unavoidable, store the valves off the ground and protect the valves with a watertight cover. Do not remove the valve packaging or end port protection, until necessary for inspection or installation. Store the valve in the slightly open position to avoid permanent deformation of the rubber lining.

## INSPECTION PRIOR TO INSTALLATION

- 1 Inspect the valve visually for damage or contamination during transport, handling and storage as this could affect valve performance.
- 2 Carefully unpack the valve.
- 3 Check the tag plates, which should be attached on the valve.
- 4 Inspect the valve interior and lining. Valve interior shall be clean and free from foreign particles or damage.
- 5 If possible, actuate the valve the complete open / close / open cycle to check the correct function.  
Warning: Avoid contact with the valve disc.
- 6 Immediately prior to installation check the flanges to which the valve is to be fastened. The flanges shall have a raised face or a flat face. The sealing face shall be flat, without burrs, grooves, weld spatters, sharp edges and free from oil.
- 7 The inside diameter shall be large enough to accommodate the protrusion of the valve disc when the valve is in the complete open position. The possibility of interference between disc and pipe shall be checked and avoided.
- 8 Check the diameter of the raised face, stub end or equivalent of all pipe ends to ensure sufficient face to face contact with the metal face of the valve.

## INSTALLATION

Note: - New valves may not be installed with additional flange gaskets. The lining will seal against the mating flange face.

- As the valve is bi-directional tight shut off, the direction of installation is not dependent of the flow direction.
- When installed in a horizontal pipeline, valves larger than DN 300 should be installed with the shaft positioned horizontally.

Option: Vertical shaft position on request (to be specified at order).

- 1 Weld the flange to the pipe so that the sealing faces are parallel.

Caution: Do not weld a connecting flange to the pipe with the valve installed!  
Doing so will damage valve liner and valve will be useless!

- 2 After cooling the flange, position the valve in the centre of the pipeline and with the shaft horizontally if possible.
- 3 Tighten the bolts in a criss - cross fashion until the valve body (metal) touches the flange face. (do not exceed the torque on the bolts as specified by the supplier of the bolts).

## TESTING

- 1 Open and close the valve (preferably by hand) slowly to ensure no disc interference with the pipe work.
- 2 Clean the pipe interior with a rinsing fluid compatible with the rubber lining and process.
- 3 Connect the actuator (if applicable) to the power supply in accordance with the user manual of the actuator.
- 4 Check the operation and tightness under working conditions.