

DN 450 Aluminium manlid for powder tanks

Type 13.15.02

Installation sheet

3. Check before use

Check the neckring seal flatness (maximum defect value 2 mm)

When the flatness defect is over this value a seal with higher dimensions should be used to match with the flatness defect.

The seal tightness should be checked during tank pressure test, this test can be done or with water or with air

4. Operating

Cover opening

- Unscrew the 4 'nuts using the handle attached to every one , the torque given by the handle in horizontal position is enough to get the torque needed to unscrew
- If a residual pressure exists into the tank , the cover should slightly rotate around his articulation axis to evacuate the pressure before the 4 swing bolts have been rotated a stop exist on the cover near each swing bolt to secure the rotation before the pressure is evacuated .
- Before rotate completely the 4 swing bolts, pull the cover to check there is no more pressure, then rotate finish the unscrewing and rotate the swing bolts .
- The cover can be open in two ways : rotation around the horizontal axis , or rotation around the vertical axis , comfortable when the space is limited upper side .

Cover closing

Position the seal cover in front of the neckring sealing surface

Rotate the 4 swing bolts, pass over the cover stop to finish the tightening

A strength value of 20 daN on the handle is enough to get the seal tightness

Sealing

The cover vertical articulation spindle and the handles are drilled to allow to install a cable or a bar diameter 10 mm to secure the manlid against undesirable openings

Special precautions

The neckring pressure test at 3 bar should be run by the customer after the neckring is weld on the tank (this test is not run during our final inspection)

The cover should not be open when the tank is pressurized