



On Top of your pressure Tank

Access Tank Cover - Circular Cover Type HLSD-2

Application

Outward opening manhole cover type HLSD-2 is used on top of pressurized tanks and containers where closeable means of access to the interior of the vessel is required. HLSD-2 is approved and can be used on pressure vessels according to PED 97/23/EC.

Working principle

HLSD-2 is secured in the closed position by swingbolts, which, together with the seal in the cover, ensure complete tightness. The cover is attached to the frame by a rigid hinge, giving exact location of the cover in the closed position and designed to stop the cover at an angle of 20-30° beyond the vertical position when opening.

Standard design

- HLSD-2 is designed according to Merkblätter AD 2000 newest edition.
- HLSD-2 is designed for mounting in pressure vessels until hazard category IV.
- HLSD-2 is designed for fluid group 1 and 2.
- HLSD-2 is not pressure tested and must be tested as a part of the pressure vessel.
- HLSD-2 has from 4 up to 14 swingbolts subject to size, pressure and temperature.
- The seal between cover and frame is located in the cover.



HLSD-2, Manhole Cover.

Materials

Product wetted steel parts: 1.4404 (AISI 316L)

Other steel parts: 1.4301 (AISI 304).

Certificates:

- Incl. inspection certificate 3.1 according to EN 10204 for product wetted steel parts.
- Incl. EC unit verification module G according to PED 97/23/EC.
- Incl. FDA declaration § 177.2600 for seal material (except FPM seal).

Seal: EPDM, FPM, Silicone, FEP covered silicone, FEP covered viton, PFA covered silicone.
For recommended max. temperatures, please see paragraph concerning technical information.

Finish: Standard surface finish: Semi bright. Outside Ra 1.6, inside Ra 0.8.
Other surface finishes available as option.

Note! Weldings are not treated.

Technical Data

Max. allowable pressure PS (bar):	According to selection table.
Min. allowable negative pressure PS (bar):	Full vacuum.
Max. test pressure Ptest (bar):	According to selection table.
Temperature range:	-10 °C to + 250 °C (-50 °F to 482 °F)

Sizes

Internal diameters of frame:

200 mm, 300 mm, 400 mm, 450 mm, 500 mm and 600 mm (7.87 inch, 11.81 inch, 15.75 inch, 17.72 inch, 19.68 inch and 23.62 inch).

Options

- A. Spring to assist opening.
- B. Arrangement for securing cover in open and closed position.
- C. Bracket for indication unit.
- D. Handle in stainless steel.
- E. Guide for cover for vertical installation. Please define positioning of the hinge (right or left hand side).
- F. Sight glass DIN 28120.
- G. Sight glass DIN 11851.
- H. Safety grid.
- I. Special surface finish.
- J. Frame height G = 300 mm (11.82 inch).
- K. Seal of Q (silicone), FPM (viton), FEP covered silicone, PFA covered silicone, FEP covered viton.
- L. Conical frame, different frame thickness and frame height available on request.

Ordering

Please state the following when ordering:

- Cover size.
- Max. pressure and corresponding temperature.
- Max. temperature and corresponding pressure.
- Optional extras.

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The information contained herein is correct at the time of issue,
but may be subject to change without prior notice.

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are continually updated on our website.
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