When you need a High Quality Opening

Access Tank Cover - Circular Types LKDS and LKDC

Application

The circular LKDC and LKDS stainless steel manhole cover is used on tanks or containers where a closeable mean of access to the interior of the vessel, situated above the liquid level, is required.

Working principle

The LKDC cover is supplied with a replaceable, self-sealing double lip seal (see fig. 2.) to prevent fluids from spraying out, e.g. during CIP cleaning and similar processes or during travel on mobile tanks or road tankers.
The LKDS cover is not designed to fit watertight to the tank and therefore it is supplied with a splash guard to prevent liquid spraying out during a cleaning process.

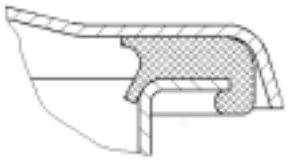

Fig. 2. Double lip seal.

Fig. 1. LKDC and LKDS Manhole Covers.

Technical data

	LKDC	LKDS
Steel parts	1.4301 (304) or 1.4404 (316L) Cover and frame are supplied with inspection certificate 3.1B acc. to EN 10204 (not delivered for LKDC size 614)	1.4301 (304) or 1.4404 (316L)
Plastic parts	Nylon	
Seal	Nitrile (NBR)	
Finish	Semi-bright	Semi-bright
Working pressure	No pressure	No pressure
Max. temperature	+ 90°C (NBR) +140°C (EPDM, not for oil and fat) + 140°C (FPM flourinated rubber)	
Min. temperature	- 20°C	

Options LKDC

A) Swiveling hinge for the clamp arm is available, allowing the cover to be moved laterally.
B) Safety grid for LKDC.
C) Seal of EPDM rubber.
D) Seal of flourinated rubber (FPM).

Ordering

Please state the following when ordering:
- Materials, steel and rubber.
- Diameter of holes.
- Height of frame.

Dimensions (mm) LKDC

Size/ID	200	300	430	430	500	500	614	614
OD	204	304	436	436	506	506	620	620
C	326	426	556	556	626	626	740	740
E	152	221	205	305	205	305	210	310
F	86	150	100	200	100	200	100	200
G	45	110	60	160	60	160	60	160
H	40	105	55	155	55	155	55	155
t	2	2	3	3	3	3	3	3
SL	2	2	2	2	2	2	3	3
Weight (kg)	3.6	6.3	9.0	10.5	12.0	14.0	14.4	16.8

Dimensions (mm) LKDS

Frame height	20	100
A	454	454
C	272	272
t	3	3
Weight (kg)	5	6

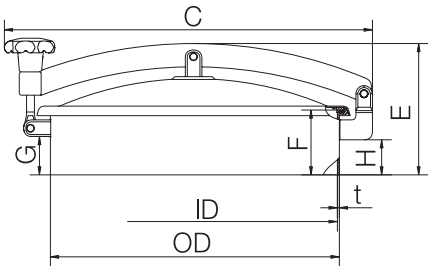

Fig. 3. Dimensions LKDC.

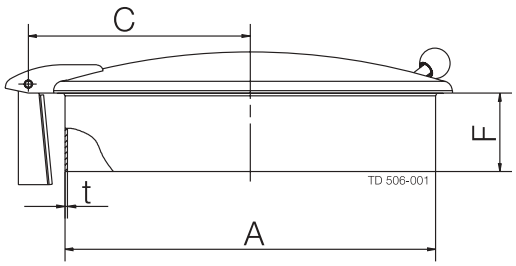

Fig. 4. Dimensions LKDS.