



## Alfa Laval Access Tank Cover - Circular Cover Type LKDC

When you need a High Quality Opening

### Application

The circular LKDC stainless steel manhole cover is used on top of tanks or containers, especially in the dairy industry, where a hygienic closeable mean of access to the interior of the tank is required.

### Working principle

The LKDC cover is supplied with a unique 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 seals are produced in compliance with 3A recommendations.

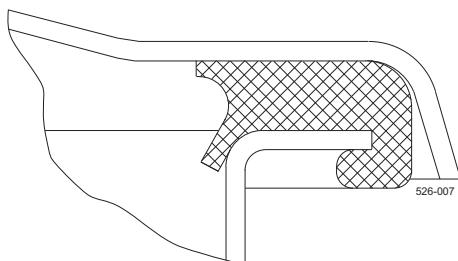


Fig. 2. Double lip seal

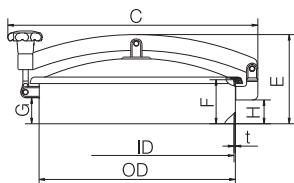


### TECHNICAL DATA

Working pressure: . . . . . No pressure

### Certificates

3.1 certificate



### PHYSICAL DATA

#### Materials

Lid and frame: . . . . . 1.4301 (304) or 1.4404 (316L)  
 Plastic parts: . . . . . Nylon  
 Seals: . . . . . EPDM or NBR or FPM or Q (silicone)


**Surface finish:** . . . . . Acid Pickled  
 Product wetted surfaces: . . . . Ra 0.8µm\*  
 Other surfaces: . . . . . Ra 3µm  
 \*Weld zone excluded.

**High hygienic (HH) and 3A surface finish:** . . . . . Electro polished  
 Product wetted surfaces: . . . . Ra 0.4µm  
 Other surfaces: . . . . . Ra 3.0µm

#### Temperature

Min. temperature: . . . . . - 20°C  
**Max. temperature:** . . . . . + 90°C (NBR)  
 (Q) gasket . . . . . + 100°C  
 (EPDM, not for oil and fat) . . . . + 140°C  
 (FPM flourinated rubber) . . . . . + 140°C

## Dimensions (mm)

Size/OD	202**	306**	404**	454**	454**	 Authorized to carry the 3A symbol			
						518	518	620	620
ID	198	302	400	448	448	512	512	614	614
F	85	100	100	100	200	100	200	100	200
t	2	2	2	3	3	3	3	3	3
C	354	457	555	609	609	675	675	778	778
G	48	64	64	60	160	55	155	64	164
H	43	64	59	60	160	56	156	59	159
E	156	146	178	201	301	197	297	203	303
Cover thickness	1.5	1.5	2	2	2	3	3	3	3
Weight (kg)	3.4	6.3	8.3	12.2	15.8	14.4	17.7	18.8	24.3

\*\*Cannot be 3A certified due to size.

Alfa Laval reserves the right to change specifications without prior notification.

#### How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information direct.