

Inspection doors

These pressure diecast aluminium alloy doors offer superior mechanical strength and are manufactured to DIN 24339 standard. They provide easy access to the inside of the oil tank for inspection and cleaning purposes.

On request and for small quantities, to be agreed with MP Filtri Technical and Sales Department, inspection doors can be supplied with:

- Customer logo.
- Hole cut for visual level indicator.
- Hole cut for visual and electrical level indicator.
- Oil sample plug

Technical specifications

INSPECTION DOORS

Materials

- **Inspection cover**
Pressure diecast aluminium alloy/cast iron
- **Seal**
Oil-resistant rubber, Sh.A hardenss 70.

Temperature

- $-30^{\circ}\text{C} \div +80^{\circ}\text{C}$
For temperatures outside this range, contact the MP Filtri Technical and Sales Department.

Compatibility with fluids

- **Components compatible for use with:**

Mineral oils

Types HH-LL-HM-HR-HV-HC, to ISO 6743/4 standard

Water based emulsions

Types HFAE - HFAS, to ISO 6743/4 standard

Water glycol

Type HFC, to ISO 6743/4 standard

Ask for anodized version

Special Applications

- **Any applications not covered by the normal indications contained in this catalogue must be evaluated and approved by the MP Filtri Technical and Sales Department.**

Reminders for correct fitting of inspection covers

- The thickness of the tank wall must be at least 4 mm or greater
- Observe the specified hole dimensions when drilling tank wall (see next page)
- Make certain that after welding stud screws or bolts, the tank wall does not present any noticeable deformation
- Thoroughly clean the surface of the wall on which the seal will be seated.
- Wet the seal with hydraulic oil to prevent the rubber from cracking
- Fit the seal carefully to the inspection cover
- Tighten the retaining nuts, torquing to 15 Nm

OB275

Tank wall fixing holes

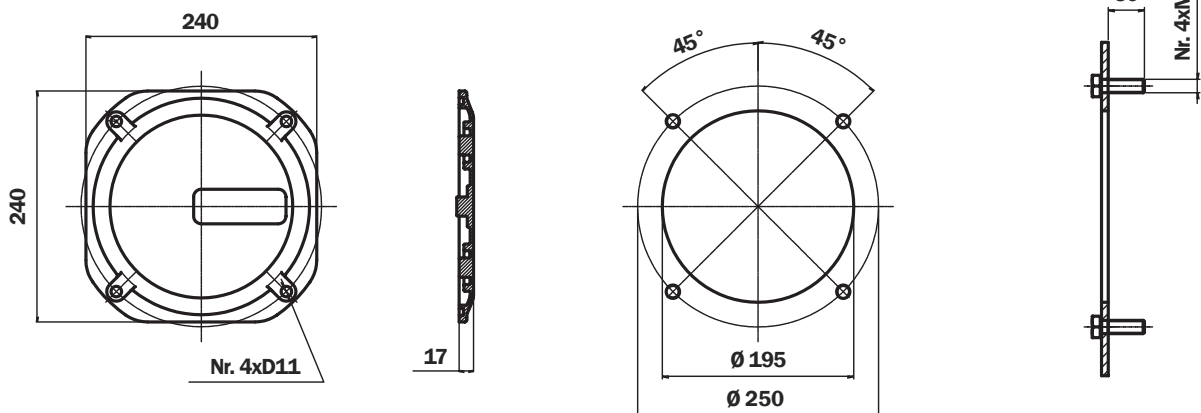


TABLE 53

Code	Weight (kg)
Door with MP Filtri OB275P01	1,76
Blank door OB275P02	
Seal GU0275NBR	
Seal FPM GU275VTN	

OB350

Tank wall fixing holes

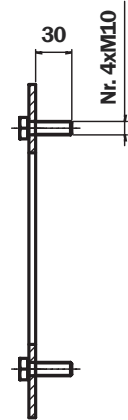
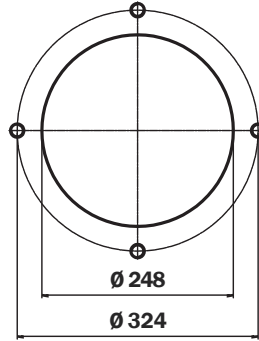
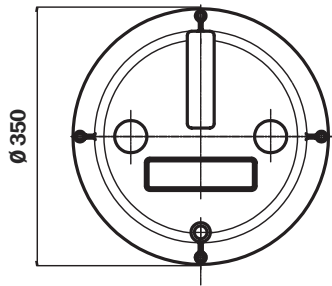


TABLE 54

Code	Weight (kg)
Door OB350DIN000	
Seal GU0350DINNBR	1,80
Seal FPM GU0350DINVTN	

OB356

Tank wall fixing holes

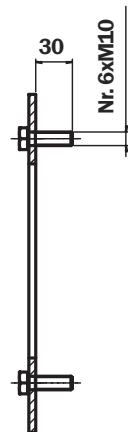
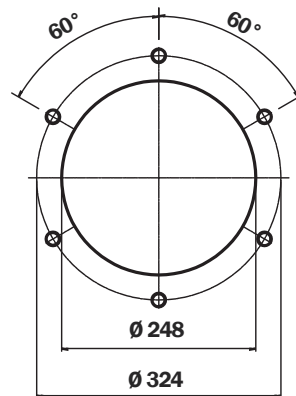
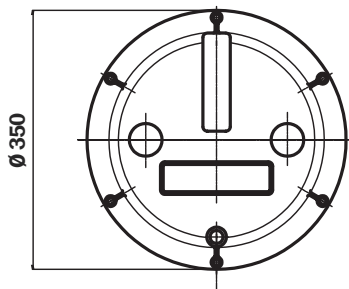


TABLE 55

Code	Weight (kg)
Door OB356DIN000	
Seal GU0350DINNBR	1,80
Seal FPM GU0350DINVTN	

OB400

Tank wall fixing holes

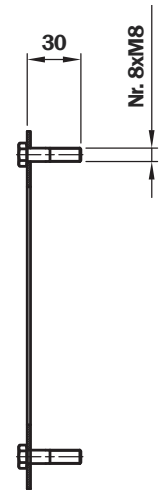
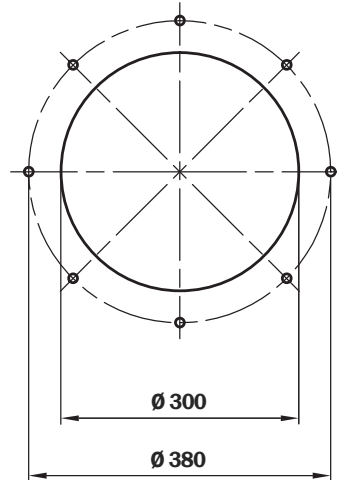
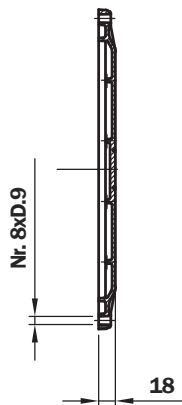
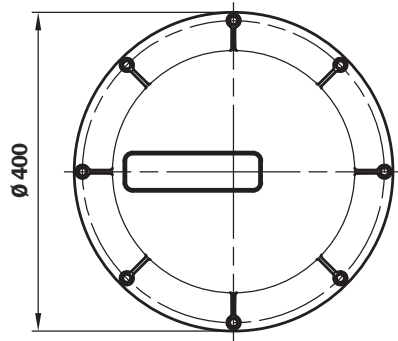


TABLE 56

Code	Weight (kg)
Door with MP Filtri OB400P01	2,90
Blank door OB400P02	
Seal GU0400DINNBR	
Seal FPM GU0400DINVTN	

OB475

Tank wall fixing holes

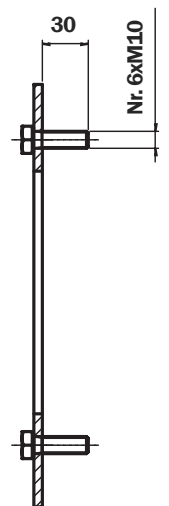
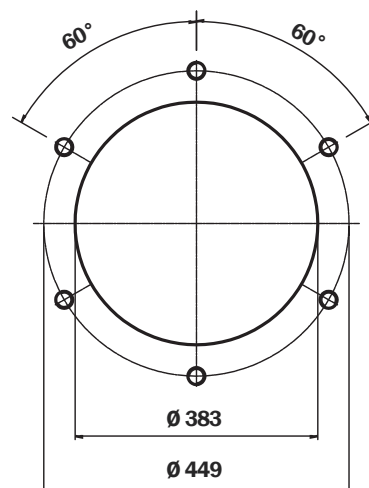
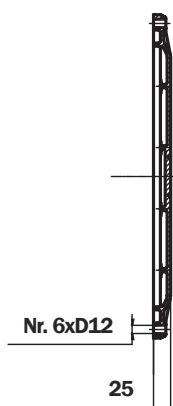
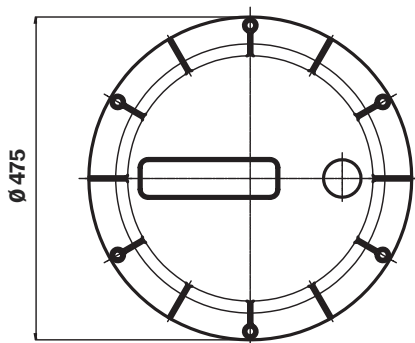
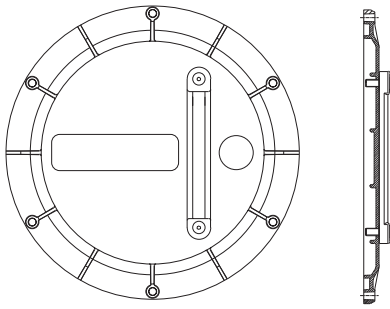


TABLE 57

Code	Weight (kg)
Door with MP Filtri OB475P01	3,40
Blank door OB475P02	
Seal GU0475DINNBR	
Seal FPM GU0475DINVTN	

Visual level indicators LVA series



Materials:

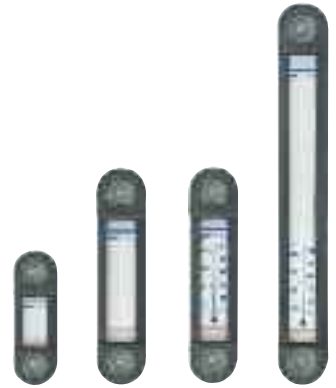
Trasparent amorphous polyamide lens
Nylon guard
Seal: Series A-NBR - Series V-FPM

Operating pressure: Max 1 bar at +80 °C

Operating temperature: From -25 °C to +80 °C

Tightening torque: 10 Nm max.

Mineral oils - Synthetic oils - Water base emulsions
- Phosphoric esters



Fixing
holes

LVA...S

LVA...T

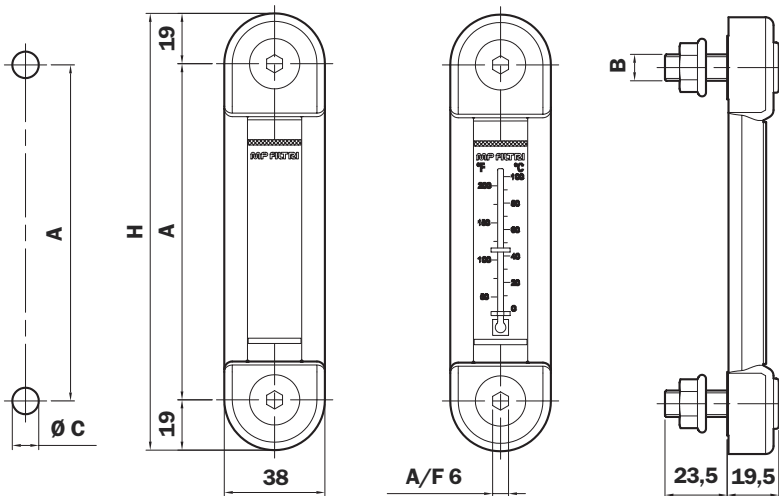


TABLE 58

Size	A mm	H mm
LVA 10	76	114
LVA 20	127	165
LVA 30	254	292

Preparing for to fit the level on request

Code door	Code level
OB275**	LVA 10**
OB350**	LVA 10**
OB356**	LVA 20**
OB400**	LVA 10**
OB475**	LVA 20**
	LVA 30**

Type	B mm	C mm
LVA...M10	M10	10,5
LVA...M12	M12	12,5
LVA...U38	3/8" UNC	10
LVA...U12	1/2" UNC	13,5

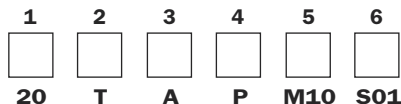
Packaging

Type	Nr. pieces per pack
LVA	10

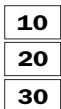
Ordering information LVA

LVA

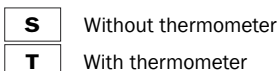
Example: LVA



1 - Style



2 - Accessories



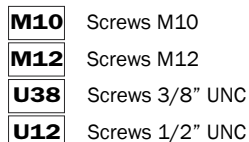
3 - Seal



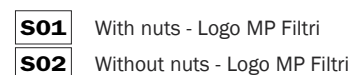
4 - Cover



5 - Connections

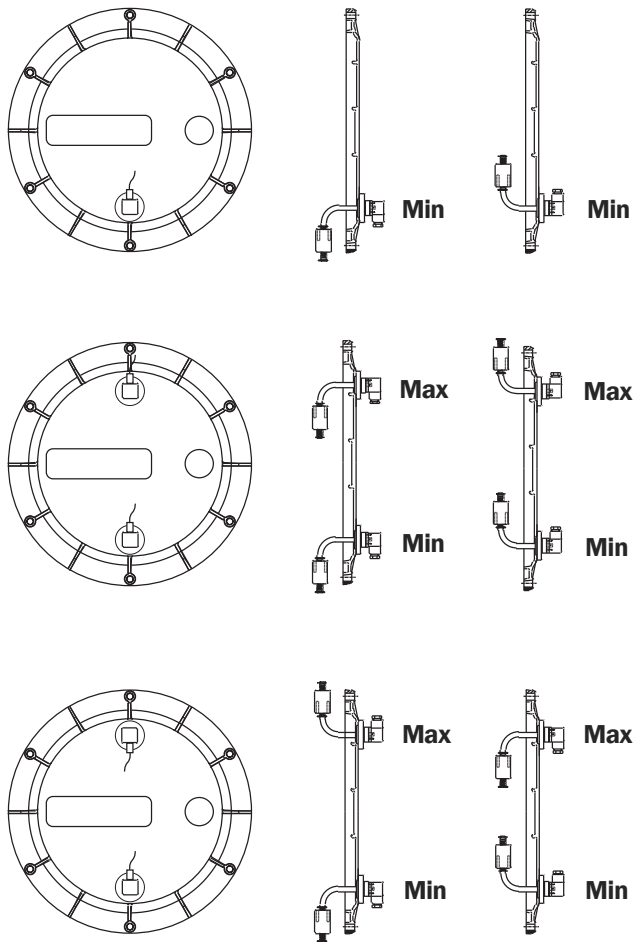


6 - Option

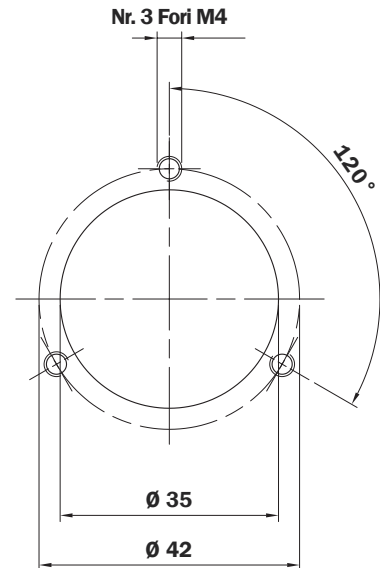


Inspection door options

Electrical float level indicators LEG series



Layout of fixing holes for LEG level indicator



Note: Arrange the holes according to the position of the level indicator

Prepared for visual indicator - on request

Technical specifications

LEG series electrical level indicators are supplied with a 3-hole fixing flange and a reed switch having NC-NO contacts. Designed typically for installation on the vertical walls of oil tanks, these instruments can also be mounted to inspection doors of the OB475 series as indicators of minimum and maximum oil levels in the tank.

DIN 43650 CONNECTOR

Materials

- **Flange**
Aluminum
- **Rod**
Brass
- **Float**
Nylon foam
- **Seals**
A= NBR
V= FPM

Temperature

- $-15^{\circ}\text{C} \div +80^{\circ}\text{C}$
For temperatures outside this range,
contact the MP Filtri Technical and Sales Department.

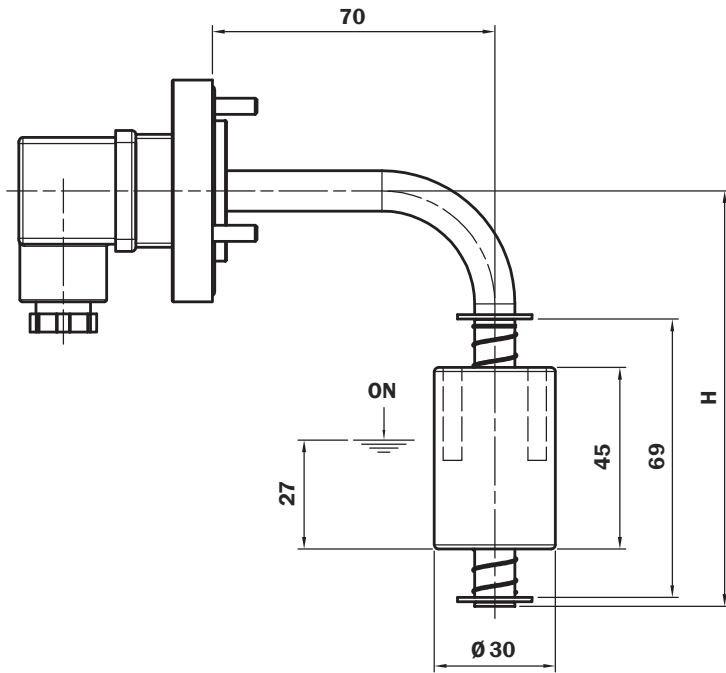
Warning

To operate correctly, the float must be positioned vertically and at a minimum distance of 35 mm from walls made of ferrous metal.

To change the contact from NC to NO, simply turn the float upside down.

The electrical properties indicated are referred to resistive loads; for capacitive and inductive loads and incandescent lamps, use protection circuits.

Inspection door options



LEG 1 Float



To invert the contact status from NO to NC and vice versa, simply invert the float.

Size	H mm
LEG 102	103
LEG 200	200
LEG 300	300
LEG 350	350

Ordering information LEG

Electrical float level indicators

LEG

Example: LEG

1	2	3	4	5	6	7	8	9
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	102	2	A	1	A	F	S	P01

1 - Tube material

A Brass

2 - Length

- 102
- 200
- 300
- 350

3 - Number of floats

1 Nr. 1 float

4 - Float material

A Nylon foam

5 - Changeover contacts

1 NC

6 - Seals

- A NBR
- V FPM

7 - Type of fixing

F 3 hole flange

8 - Electrical connection

S DIN 43650 connector

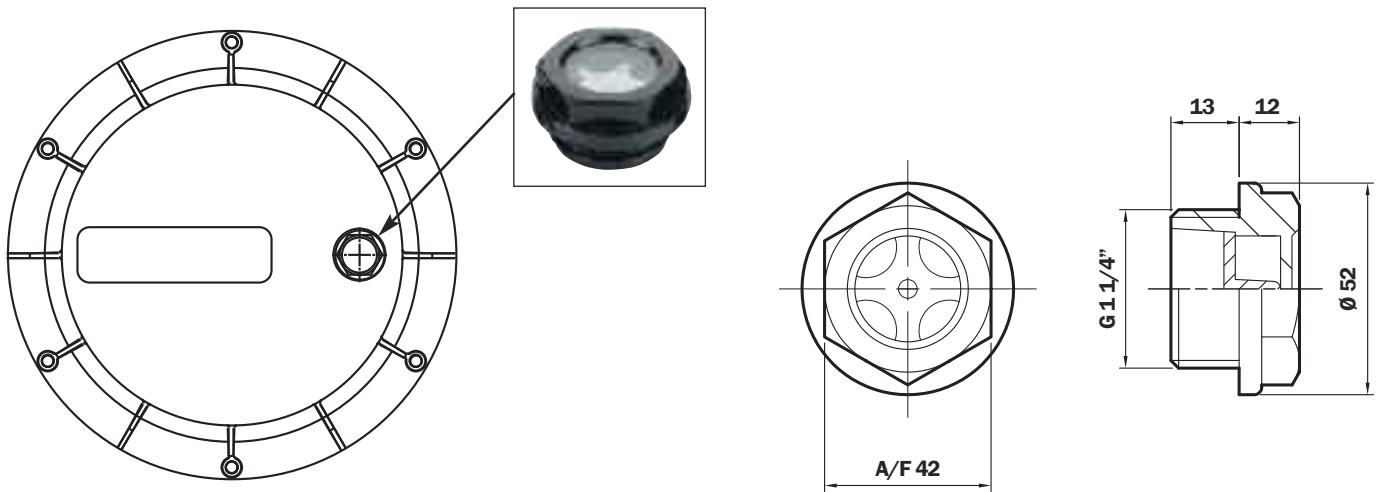
9 - Option

P01 MP Filtri standard

Note: For customization features other than those indicated on this page, contact the MP Filtri Technical and Sales Department.

Inspection door options

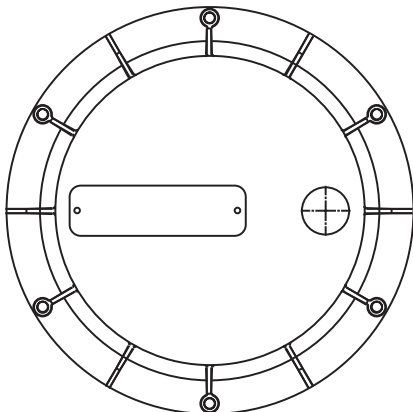
Visual level indicators code: LCP42N...S



Prepared for electrical indicator on request

Customer customization

Nameplate with customer logo
Ordering information: **OB475LOGOP05**



The nameplates applied to the new inspection door are identical to those applied to the old door.
The difference with the new door is that nameplates are fixed with rivets.

For ordering information codes, minimum order quantities, fixing hole positions and other details not indicated in this publication, contact the MP Filtri Technical and Sales Department.