

# MG-33

## MAGNETIC LEVEL GAUGE

### GENERAL FEATURES

It is a convenient and safe device designed to combine the principles of lifting and pulling of electro-magnet. The magnets in the float enable you to follow the liquid change level with the help of red-white coloured flaps placed on the outer wall. It is suitable for use in systems requiring high pressure and temperature.

#### Advantages

- Continuous and easy monitoring
- Sealing construction
- Requested length and connection manufacturing
- Ability to work in different densities
- Manufacturing according to various installation types
- Long life time
- Easy maintenance
- Up to 6 meters can be manufactured in one piece.
- Above 6 meters can be manufactured in multi pieces.
- Works up to 200 °C in PN 10/16/25/40(Opt.) pressure class
- Self-cleaning feature of the system with up-and-down movement of the float

#### Application Areas

- All steam and hot water boilers
- Waste water systems
- Filling and unloading containers
- Oil and Gas industry

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- All chemical and petrochemical tanks
- Tanks for petroleum and petroleum products
- Oil boilers
- Diesel fuel tanks and generator sets
- Submarine, helicopter and ship fuel tanks

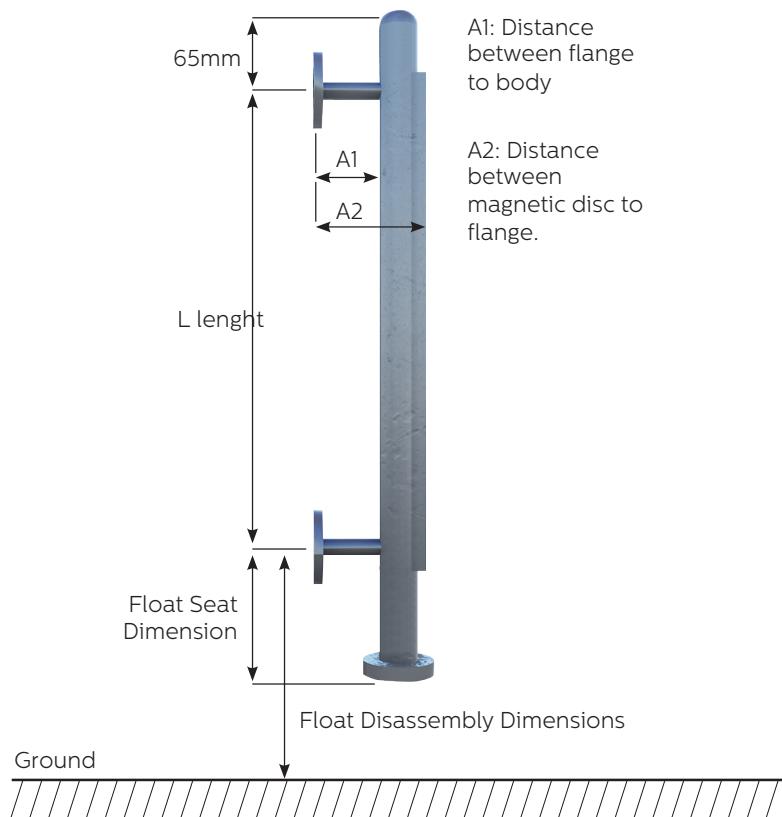
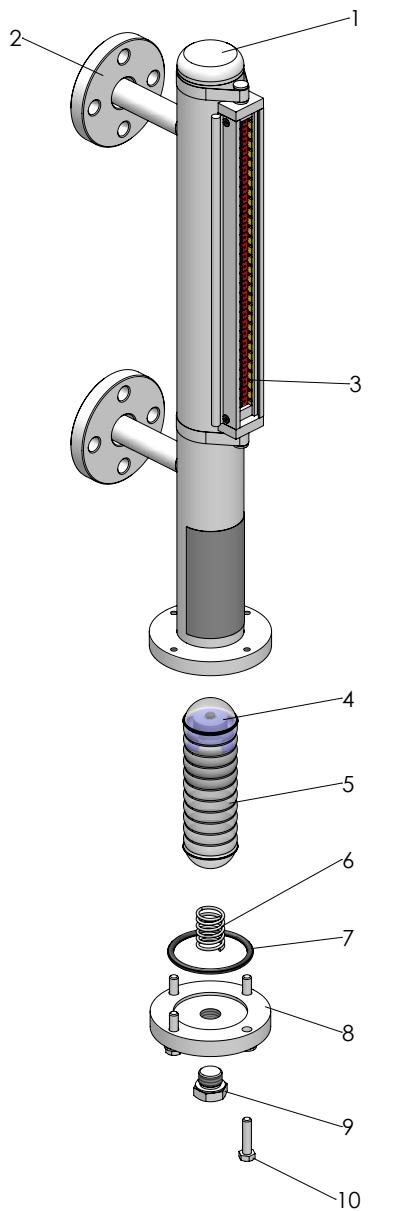
### PRODUCT FEATURES

<b>Body</b>	: AISI 304 /316 / 316L Stainless Steel
<b>Float</b>	: AISI 316L Stainless Steel
<b>Magnetic Disc</b>	: Aluminium
<b>Flap</b>	: Aluminium
<b>Connection</b>	: Flange, M/F, Union
<b>Flange Type</b>	: DIN, ANSI (150-300), JIS
<b>Flange Material</b>	: Carbon Steel St. 37.2, Stainless Steel
<b>Max. Working Pres.</b>	: 40 bar
<b>Max Working Temp.</b>	: 200 °C
<b>Contact</b>	: YES
<b>Protection Class</b>	: IP66
<b>Drain Plug</b>	: 3/8"



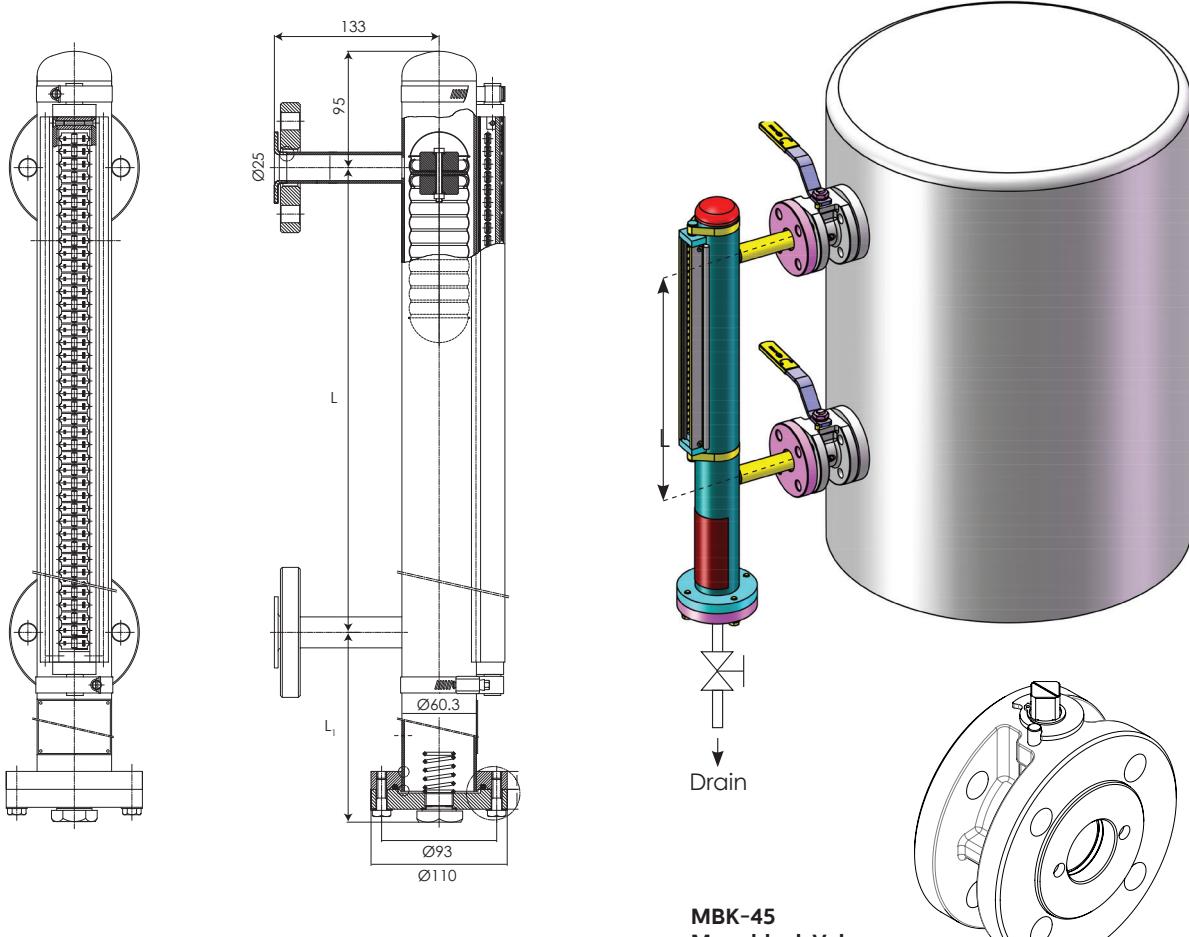
Different size, connection, pressure and applications Please consult our sales team.

# MG-33 MAGNETIC LEVEL GAUGE



SPARE PARTS		
1	Body	Stainless Steel
2	Connection Flange	Carbon Steel, Stainless Steel
3	Flaps	Aluminium/Plastic
4	Magnetic Disc	Magnet
5	Float	Stainless Steel
6	Float Spring	Spring Steel
7	O-Ring	Silicon
8	Drain Flange	Carbon Steel, Stainless Steel
9	Drain Bolt	Stainless Steel
10	Bolt	Stainless Steel

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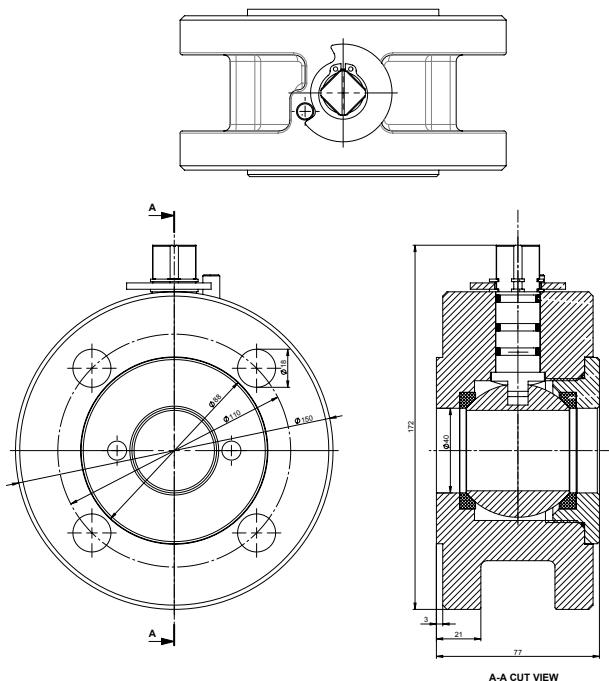


You are required to inform sales team during the order

- Connection type and dimension (M/F, flange, diameter)
- Distance between connections
- (From the upper pipe center to the bottom pipe center)
- Fluid density to be used
- Fluid temperature

SPARE PART	
1	Connection Type
2	Flange
3	Float
4	By-pass Tube
5	Bolt
6	Drain Bolt
7	Magnetic Disc
8	Indicator Glass

**MBK-45**  
Monoblock Valve  
Dimensions



# MG-33 MAGNETIC LEVEL GAUGE TOP MOUNTED



Ayvaz MG-33 top mounted magnetic level gauges; It is used in tanks that can not be mounted on the side surfaces. The movement of the float in the tank according to the filling rate of the tank; the level moves the float inside the bottle and the tank observation is provided mechanically.

Like other systems, the top mounted magnetic level gauges can also be manufactured for the automation systems.

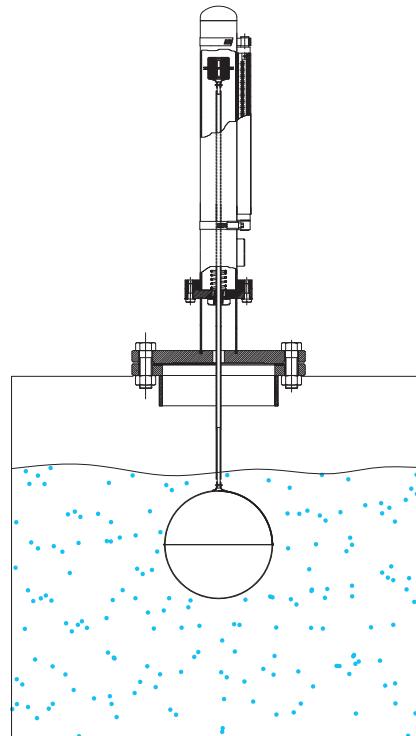
## Advantages

- Continuous and easy monitoring
- Sealing construction
- Requested length and connection manufacturing
- Ability to work in different densities
- Manufacturing according to various installation types
- Long life time
- Easy maintenance
- Up to 6 meters can be manufactured in one piece.
- Works up to 160 °C in PN 10/16/25/40(Opt.) pressure class
- Self-cleaning of the system with the up and down movement of the float

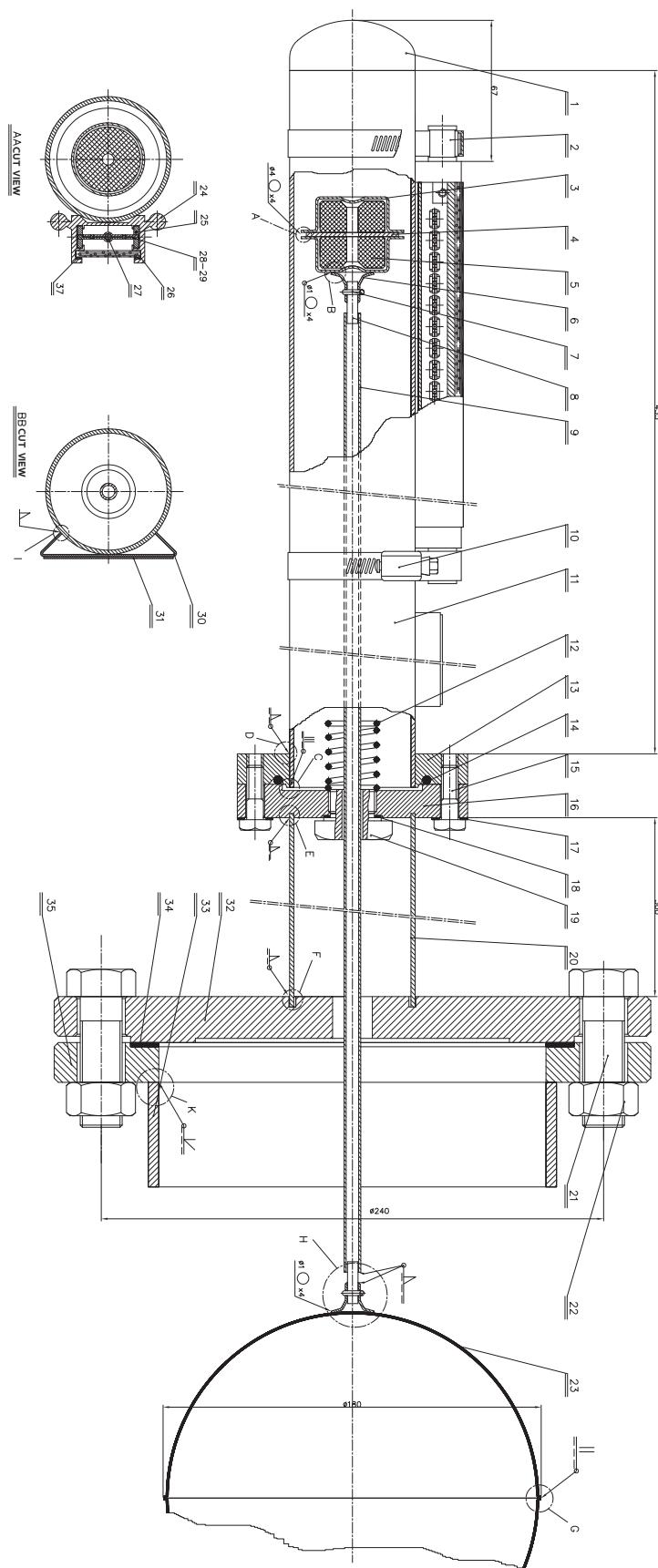
## Application Areas

- All steam and hot water boilers
- Waste water systems
- Filling and unloading containers
- All chemical and petrochemical tanks
- Tanks for petroleum and petroleum products
- Oil boilers
- Diesel fuel tanks and generator sets
- Submarine, helicopter and ship fuel tanks

<b>Body</b>	: AISI 304/316 Stainless Steel
<b>Float</b>	: AISI 316L Stainless Steel
<b>Magnetic Disc</b>	: Plastic/Aluminium
<b>Connection</b>	: Flanged
<b>Flange Types</b>	: DIN, ANSI, JIS
<b>Flange Material</b>	: Carbon Steel St 37.2/Stainless Steel (Opsiyonel)
<b>Max. Working Press.</b>	: 16 bar
<b>Max. Working Temp.</b>	: 200 °C
<b>Contact Availability</b>	: Yes

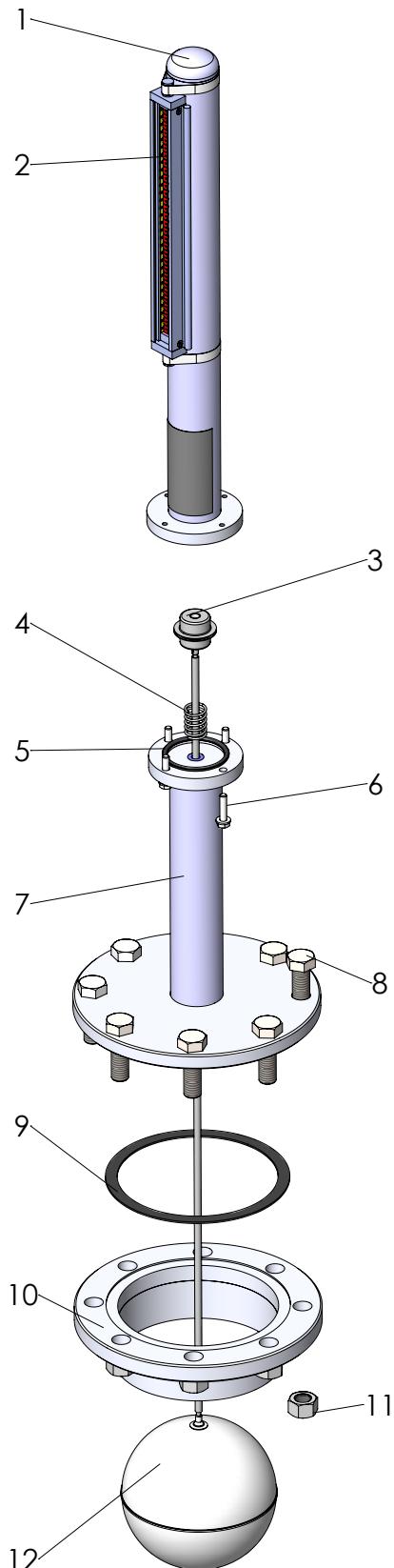


# MG-33 MAGNETIC LEVEL GAUGE TOP MOUNTED



No	Part Name	Material List
1	Cap	AISI 304
2	Support	Aluminium Cast
3	Magnet Cap	AISI 304
4	Magnet Interconnect Comp.	DKP
5	Magnet	
6	Float Capsule	AISI 316
7	Ring	
8	Pin	AISI 304
9	Float Carry Tube	AISI 304
10	Clips	AISI 304
11	Level Tube	AISI 304
12	Float Spring	AISI 302
13	Drain Flange	AISI 304
14	O-ring	Silicon
15	Lock Screw	AISI 304
16	Drain Flange	AISI 304
17	Spring Washer	AISI 304
18	Blind Gasket	Copper
19	Blind	AISI 304
20	Level Tube	AISI 304
21	AKB Bolt	8,8
22	AKB Nut	8
23	Float Cap	AISI 316 L
24	Indicator Profil	Aluminium
25	Level Tube Cab	Aluminium
26	Indicator Profile Glass	Plexiglass
27	Magnet	
28	Flap (White)	Aluminium
29	Flap (Red)	Aluminium
30	Tag Plate	AISI 304
31	Aluminium Tag	Aluminium
32	Conn. Flange2(PN16-DN150)	St 37
33	Connection Tube	St 37
34	Connection Flange Gasket	Klingerite
35	Connection Flange 1	St 37
36	Countersunk Head Screw	5,8
37	Silicon Hose	Silicon

# MG-33 MAGNETIC LEVEL GAUGE TOP MOUNTED



No	Part Name	Material List
1	Body	Stainless Steel
2	Flaps	Aluminium/Plastic
3	Magnetic Disc	Magnet
4	Float Spring	Spring Steel
5	O-ring	Silicon
6	Bolt	Stainless Steel
7	Interconnect Components	
8	Bolt	Stainless Steel
9	Gasket	
10	Connection Flange	
11	Nut	
12	Float	Stainless Steel

# MG-33 MAGNETIC LEVEL GAUGE



## Oversize Application

