

MAGNETIC LEVEL INDICATOR TYPE MG 33

FEATURES

MG 33 magnetic indicators are designed for instant visual indication of the liquid level in a tank. A float equipped with a magnet placed inside the indicator acts by an electromagnetic attraction/repulsion effect on the red and white rollers placed on the outer scale. The red part, corresponding to the liquid level, gives a quick, clear indication of the tank's level.

The electromagnetic operation of the device allows the addition of position contacts or remote-level feedback, enabling control of a pump or valve.

This indicator, which has a standard stainless steel construction with stainless steel flange connections, is ideal for reading the level of boiler feed tanks, chemical storage tanks, or corrosive products.

This equipment is certified by a body approved for the marine sector.

AVAILABLE MODELS

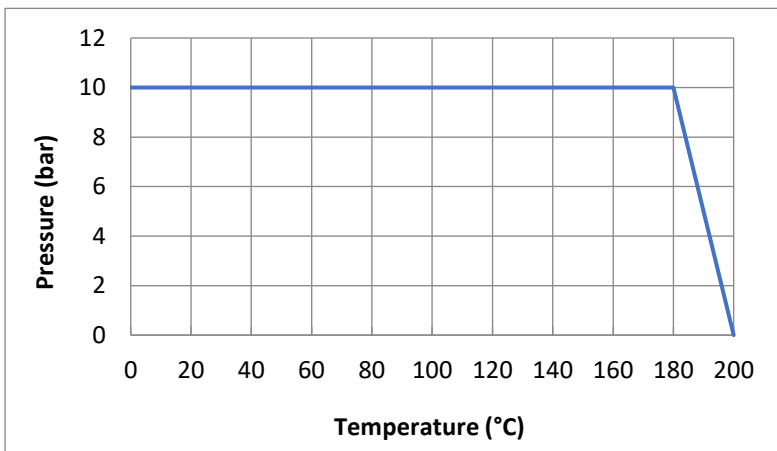
DN20 flanged PN 16.

Connection centres: 800, 1000, 1200, 1500 mm.

Other centre distances or connections on request.

LIMITS OF USE

Fluid pressure: PS	16 bar
Fluid temperature: TS	0°C / +180°C
Fluid density standard stainless steel float	1 ± %
Optional float fluid density	mini 0,88

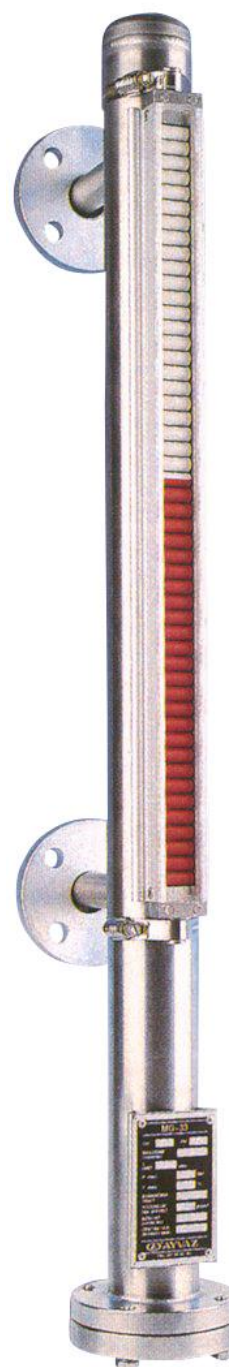


CONSTRUCTION GUIDELINES AND STANDARDS

OBJECT	Standard
CE Pressure Directive 2014/68	Group 2
Steel grades	EN 1503-1
Flange connections	EN 1092-1
Marine and offshore applications	IBV Products / NR320

Information given as an indication only, and subject to possible modifications

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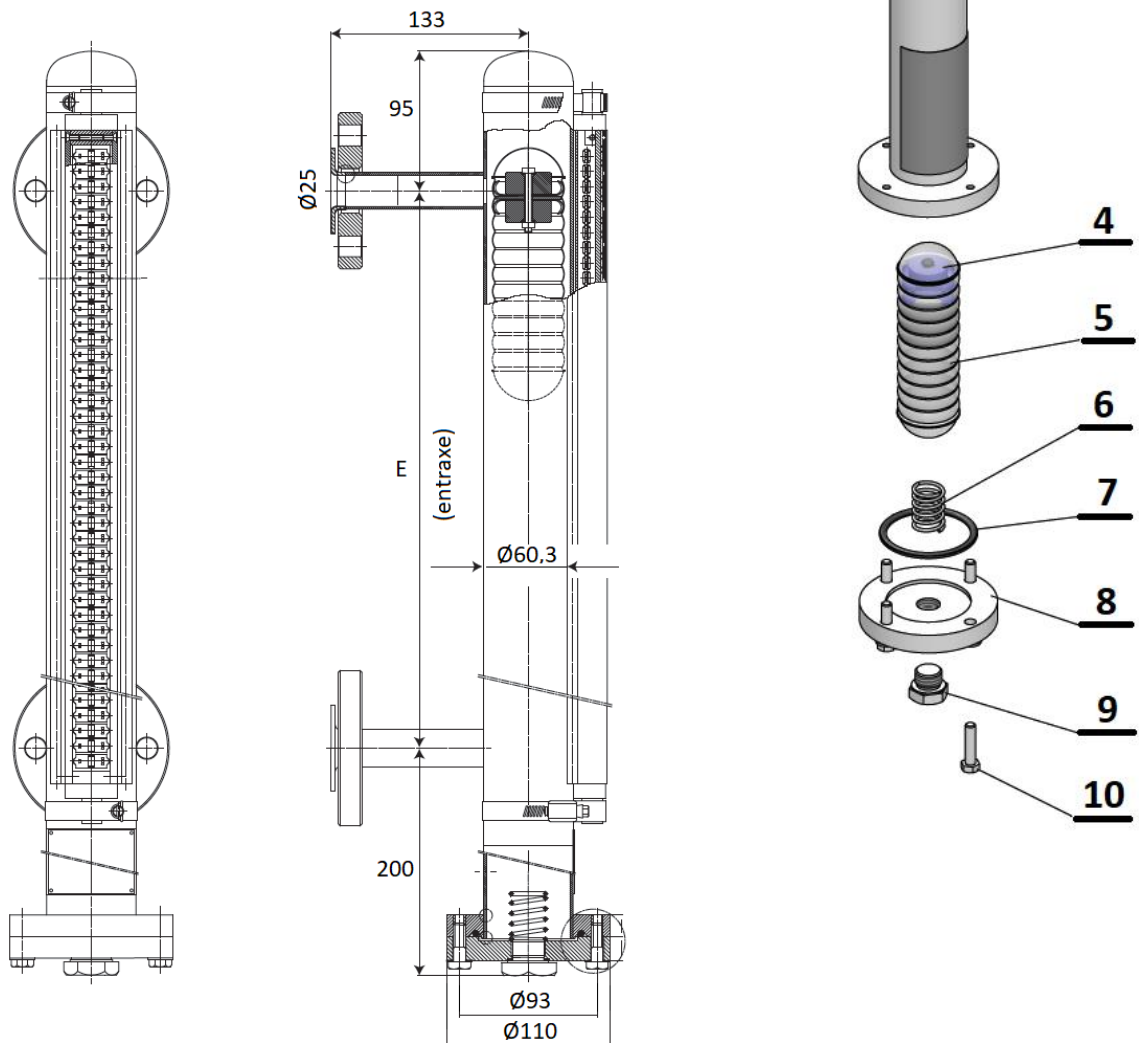


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CONSTRUCTION

N°	Item	Material
1	Body	Stainless steel ASTM A182 F304
2	Flanges	Stainless steel ASTM A182 F304
3	Magnetic roller	Aluminum / plastic
4	Magnetic disc	Magnet
5	Float	Stainless steel
6	Float spring	Resort steel
7	O-ring	Silicone
8	Purge flange	Stainless steel ASTM A182 F304
9	Purge bolt	Stainless steel ASTM A182 F304
10	Bolt	Stainless steel ASTM A182 F304

DIMENSIONS



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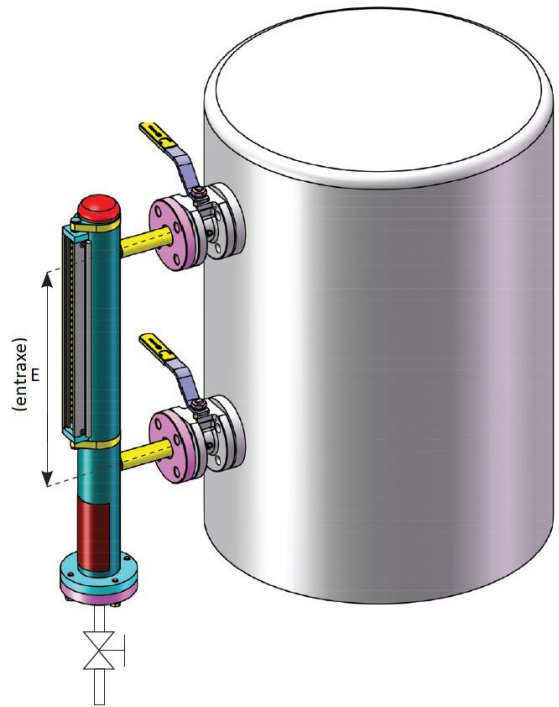
ASSEMBLY

The MG 33 indicator must be installed on the side of the tank to be measured. The tank connection flanges must be aligned perpendicular to the ground. The indicator's connection center distance defines the limit of visibility.

We recommend fitting valves between the indicator and the tank to isolate the device. A bleed valve at a low level can be placed in place of the bleed nut.

Do not dismantle the rail indicator from the bypass tube, if this is not necessary.

If you have to disassemble the indicator, ensure the bypass tube is empty, the float is at the bottom, and all colours are white on the rail indicator during reassembly. (See diagram below).



MAINTENANCE

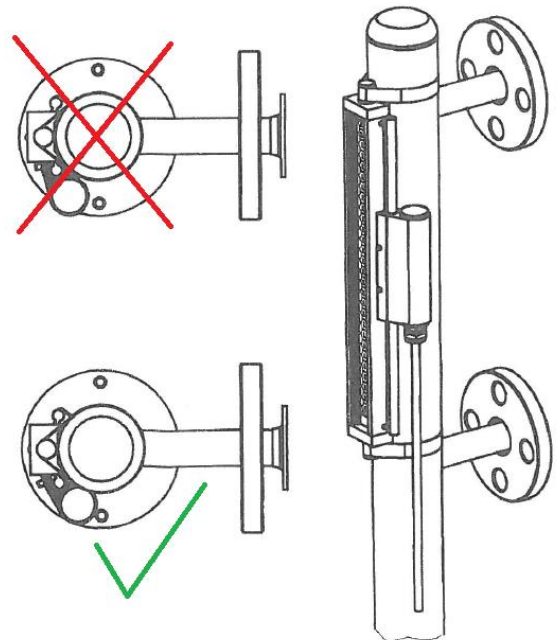
The bypass tube should be cleaned at least once a month. Depending on the type of fluid used (sludge or other fluids), cleaning the bypass tube daily using the purge valve is preferable.

SPARE PARTS

Float	981200
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OPTIONS

SPDT contact with rail mounting.	2328001
Special interaxes	
	



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