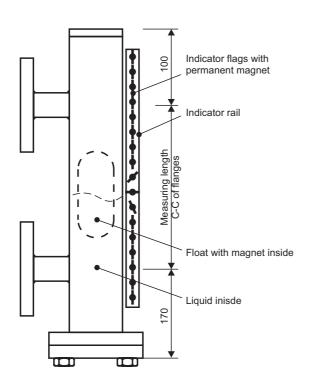


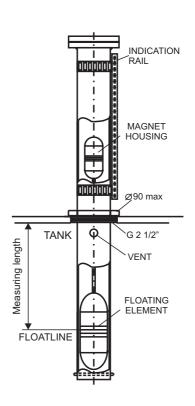
Local level indicators

Documentation

MAGNETIC LEVEL INDICATOR type IM-MLI

Inel-mar magnetic level indicator indicator type IM-MLI is a level indicating device which requires no external power to operate. A bypass chamber is connected to tank and as liquid level rises up or down float with magnet moves inside chamber. On outer side of chamber are magnetic indicator flags with different color on each side. As float moves, magnet inside float rotates flags, they change color and in such way indicate level. Chamber is completely sealed and only moving part is float.





Type IM-MLI-01

Type IM-MLI-02

Material: Stainless steel 316L Pressure: Max. 10 bar

Temperature: Max. 140°C (400°C version possible) Measure length (type IM-MLI-01): max. 5500 mm Measure length (type IM-MLI-02): max. 2800 mm

Process connection:

- IM-MLI-01: Flange DN15 - DN50 - preferable: DN25 NP16 (others on request)

Weld or thread (Male/Female) 1/2" - 1"

- IM-MLI-02: Flange DN50 - DN 100 NP 16

Weld or thread (Male/Female) 2 1/2" - 6"

Drain: none, plug (1/2", 3/8", 1/4") or valve

Vent: none, plug (1/2", 3/8", 1/4")

Float -IM-MLI-01: Stainless steel, SG.>0.51 preferable: 0,75

-IM-MLI-02: Stainless steel, SG.>0.38 for measuring length 1000mm

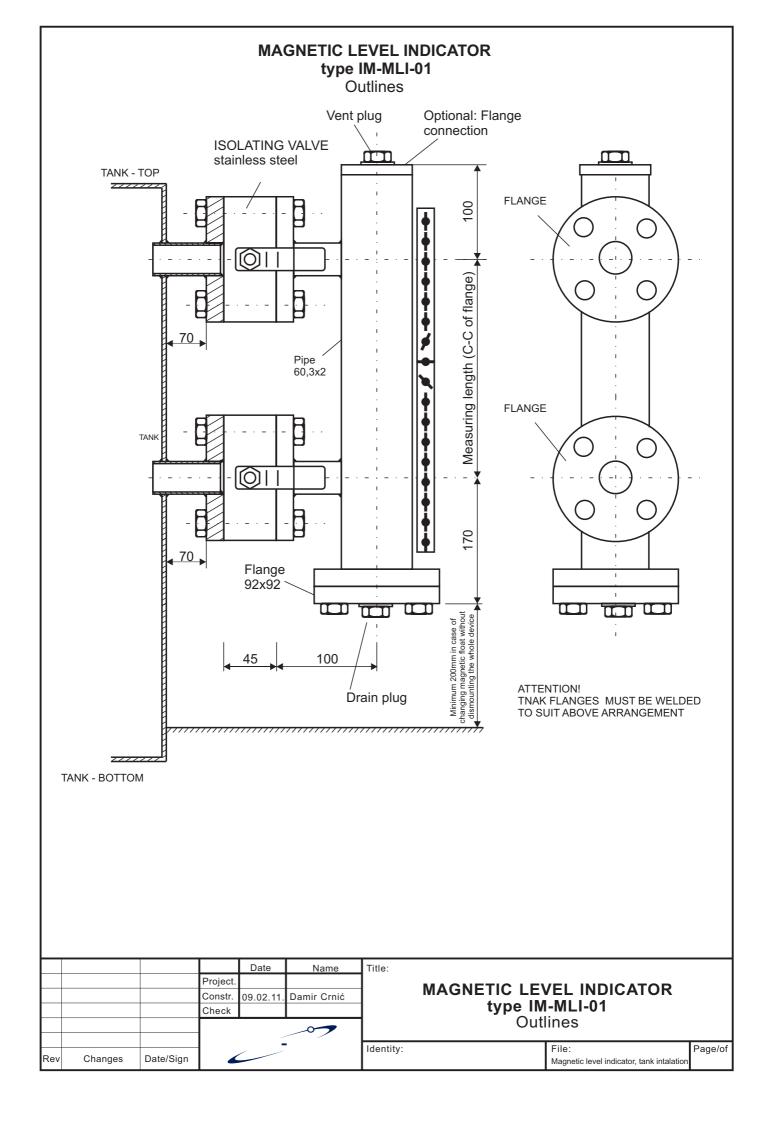
Extra support: C-C > 3 m for offshore

C-C > 4 m for onshore

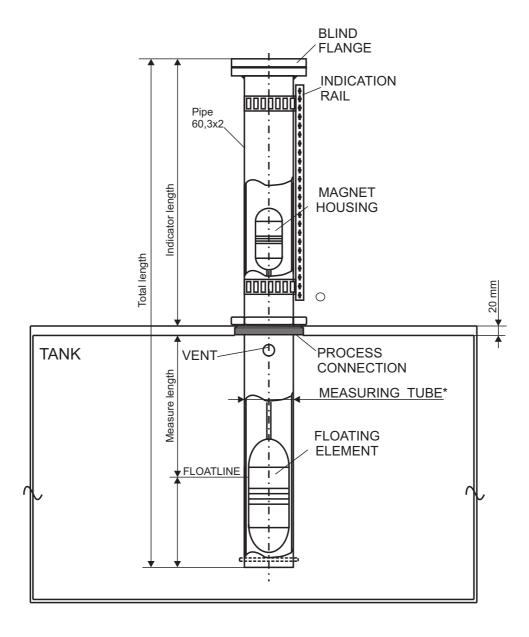
Marking: Tag plate

Options: Level switch, Level measurement,

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			Constr.	18.12.12.	Darko Crnić		MAGNETIC LEVEL INDICATOR		
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MAGNETIC LEVEL INDICATOR type IM-MLI-02 Outlines



Measuring tube size depends of measuring range and density of liquid

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Safety, installation and maintenance instructions

SAFETY INSTRUCTIONS

Always read these instructions before you install Inel-mar magnetic level indicators type IM-MLI and put it into operation.

Installation and maintenance must be done by qualified presonnel.

Unauthorised manipulation and inadequate use lead to the loss of guarantee and liability claims.

Do not operate magnetic level indicator in ferromagnetic sorroundings (distance at least 50mm) or near strong ferromagnetic fields (distance at least 1m).

Magnetic level indicator must not be exposed to any strong mechanical loads.

USE AND APPLICATION

Magnetic level indicators type IM-MLI are designed for monitoring of liquid level. Liquid must not be heavily soiled or contain coarse particles. It must not tend to stick or crystalize. Before use compatibility of magnetic level indicator material and liquid must be observed.

Magnetic level indicators type IM-MLI can only be use within specified maximum values for pressure and temperature. Exceeding these parameters can lead to mailfunction or destruction of equipment as well as personal injury and property damage.

For use of magnetic level indicator at temperatures over 60°C a warning plate must be attached to indicator in order to prevent danger of burning.

Float of magnetic level indicator type IM-MLI is designed for specified medium density. When using with another specific weight deviations of mesurement can occur.

INSTALL ATION

Remove magnetic level indicator type IM-MLI from transport packaging. Caution not to damage float which is delivered in reassamble way.

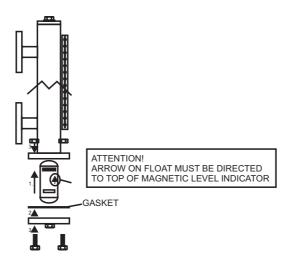
Make sure that the mating flanges of the vessel onto which the level indicator will be installed are completely flush. Excessive missalingement will cause indicator to bend or twict which can prevent the float from moving freely up or down.

Magnetic level indicator must be installed with nameplate at the bottom of indicator.

Magnetic flags needs to be aligned. Slowly move float from bottom of float to top of float and back. (Remark: arrow on float must point at top of magnetic level indicator).

Seals, screws, washers and nuts suitable for process connection must be used. It is reccomended to use shut-off valve between the vessel and magnetic level indicators. Use usual torque values of screws in pipefitting works.

After installation of float according to drawing bellow mount magnetic level indicator to the vessel.



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			Project. Constr. Check	09.02.11.	Damir Crnić	MAGNETIC LEVEL INDICATOR type IM-MLI			
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