



Instructions Manual



The following users manuals are attached:

- ☐ AMD Limit Switch
- ☐ AMR Limit Switch
- ☐ AMM Limit Switch
- ☐ APR Limit Switch

☐ LT Series ☐ LTL Series

- ☐ AAR Limit Switch
- ☐ APRV Limit Switch
- ☐ ADF Limit Switch
- ☐ LTE Limit Switch

TECHNICAL DATA

- Mounting: Vertical, on the side of the tank.
- Fittings: EN 1092-1 DN-25 Flanges
1" BSP/NPT Threads
Others on demand:
- Liquid Density: 0.45 a 3 kg/l
- Liquid viscosity: maximum 1500 mPa.s
- Precision: ± 3 mm
- Materials: EN 1.4404 (AISI-316L). On demand: PTFE, PVC, PP, PVDF
- Pressure: PN-16 (in EN 1.4404)
PN-10 (in PVC y PP)
On demand: PN-400
- Length: Maximum 6000 mm. On demand up to 15000 mm in EN1.4404
- Conforms with the Pressure Equipment Directive 97/23/EC.



This equipment is considered as being a pressure accessory and **NOT** a safety accessory as defined in the 97/23/EC directive, Article 1, paragraph 2.1.3.

OPERATION

The variations of level are followed by the internal float that, by means of a magnetic field, acts on the indicator.

RECEPTION

The LT/LTL series are supplied suitably packed for transport. They are supplied with the float blocked in its bottom position by means of a stop introduced into the lower side coupling.

BEFORE MOUNTING ON THE TANK, THIS STOP MUST BE REMOVED.

INSTALLATION



Important: Check that the maximum working pressure is below the limit shown on the identification label of the equipment. Check that the maximum working temperature of the liquid is within the limits given in the following table.

MATERIALS	LIQUID TEMPERATURE RANGE
EN 1.4404 (AISI-316L)	-20 °C.....150 °C
PVC	0 °C.....45 °C
PP	-10 °C.....90 °C
PVDF	-20 °C.....135 °C
PTFE	-60 °C.....150 °C

The working temperatures are given for an ambient temperature of 20°C.

The fittings to the tank must be **ALIGNED** and **PERPENDICULAR**.

Flange bolts should be tightened progressively in a criss-cross manner to avoid creating tensions.

With threaded connections, they should be tightened progressively and together.

For the LT series levels (with a glass tube), it is recommended to remove this tube before mounting the level to the tank. Next, fill the glass tube. Once the level is fitted to the tank, reinstall the glass tube to the level.

This process should be done using the following instructions:

INSTRUCTIONS FOR FILLING THE GLASS TUBE (fig. 1):

1. Remove the Allen screw (1).
2. Withdraw the glass tube from its support and remove the plug at the top (3).
3. Fill the glass tube (4) with the liquid supplied with the level.
4. Insert the plug (3) in the tube and maintain in a vertical position,

MOUNTING THE GLASS TUBE (fig. 1):

1. Check that the rubber seating (5) is in its position.
2. The bottom of the glass tube (4) should rest on the rubber seating (5).
3. Mount the spacer (2, rubber washer) in its position.
4. Assemble the glass tube in its position and screw the Allen screw (1) into the plug (3).
5. The Allen screw should not be very tight, it is sufficient to tighten until a slight resistance is noted.

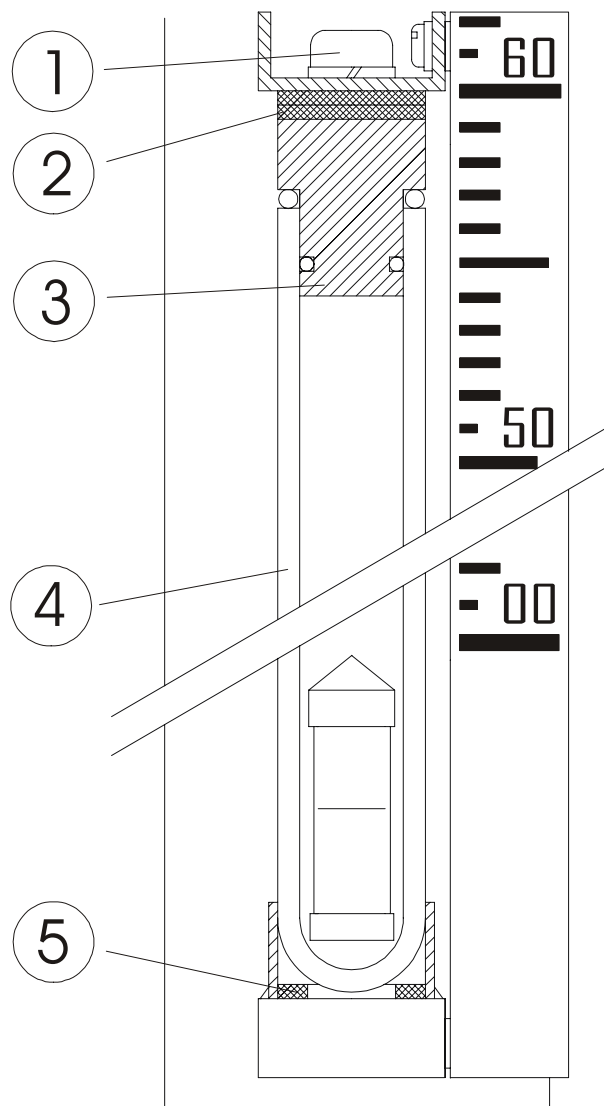
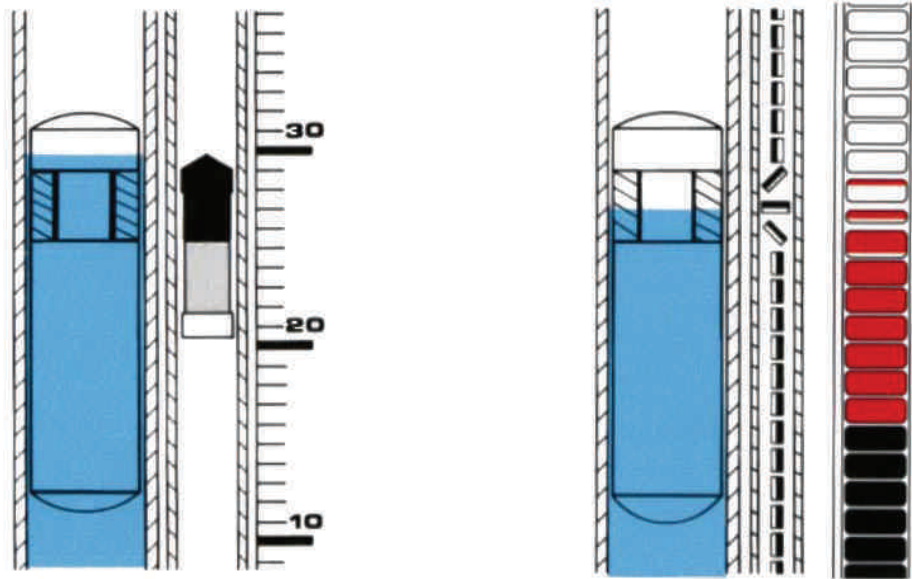


Figure 1

LEVEL READING

For levels with a glass tube the value of the level is read on the scale at the height of the top of the external float. For levels with indication by means of magnetic strips, the reading is taken where the strips change from red to white.



MAINTENANCE

No specific maintenance is required.

WARRANTY

TECFLUID guarantees all the products for a period of 24 months from their sale, against all faulty materials, manufacturing or performance. This warranty does not cover failures which might be imputed to misuse, use in an application different to that specified in the order, the result of service or modification carried out by personnel not authorized by Tecfluid, wrong handling or accident.

This warranty is limited to cover the replacement or repair of the defective parts which have not damaged due to misuse, being excluded all responsibility due to any other damage or the effects of wear caused by the normal use of the devices.

Any consignment of devices for repair must observe a procedure which can be consulted in the website www.tecfluid.fr, "After-Sales" section.

All materials sent to our factory must be correctly packaged, clean and completely exempt of any liquid, grease or toxic substances.

The devices sent for repair must enclose the corresponding form, which can be filled in via website from the same "After-Sales" section.

Warranty for repaired or replaced components applies 6 months from repair or replacement date. Anyway, the warranty period will last at least until the initial supply warranty period is over.

TRANSPORTATION

All consignments from the Buyer to the Seller's installations for their credit, repair or replacement must always be done at freight cost paid unless previous agreement.

The Seller will not accept any responsibility for possible damages caused on the devices during transportation.

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