

Top kank level indicators FS4

INSTALLATION

SAFETY INSTRUCTIONS

- Installation, commissioning and maintenance must be carried out by qualified technicians.
- The operation of the device must be in accordance with and strictly limited to the applications, as mentioned further on and on data-sheet.
- The installation and use of the devices must be done without any magnetic induction field.
- The device must be kept away from all metallic parts, or located at a minimum distance of 10 cm.
- Ensure compatibility of the liquid with the chemical resistance of the indicator's materials at operating pressure and temperature.

APPLICATIONS

- Suitable for indication of liquid level in opaque tanks, drums or underground tanks.
- Via contacts: control of pumps, valves, high or low level alarm, etc.

DESCRIPTION

A float follows the level of the liquid; It supports a rod and causes the displacement of a magnetic pointer inside a transparent PVC tube located above the tank. The level is directly read on site through the transparent tube. Each device is manufactured according to the liquid density and the height to be checked.
Note: The waterline is at 70 to 80% of float height (dead zone).

FS4 Standard model:

The standard FS4 is designed for tanks, even with turbulences. The float is moving inside a lower protection tube Ø 63 mm. The device is mounted via a loose flange ND65 to fix at the counterflange of the tank.

FS4 Fût (for drum) model:

The FS4 Fût is designed for small size drums, height less than 1000 mm. It does not have a lower protection tube and is fixed by a threaded connection. This model is delivered with a graduated scale (One mark every 2 cm).

Option: Level switches

The magnetic pointer can control the level switches, to fit on the measuring tube, such as BSM 501 or BRK 60/32).

MOUNTING

The indicator extends far beyond the top of the tank, it is therefore necessary to ensure the space available for its installation.

- Fix the FS4 standard to the top of the tank via the loose flange ND65 (4 screws and 4 nuts, not provided). The gasket between coupling and counterflange is not provided.

Or

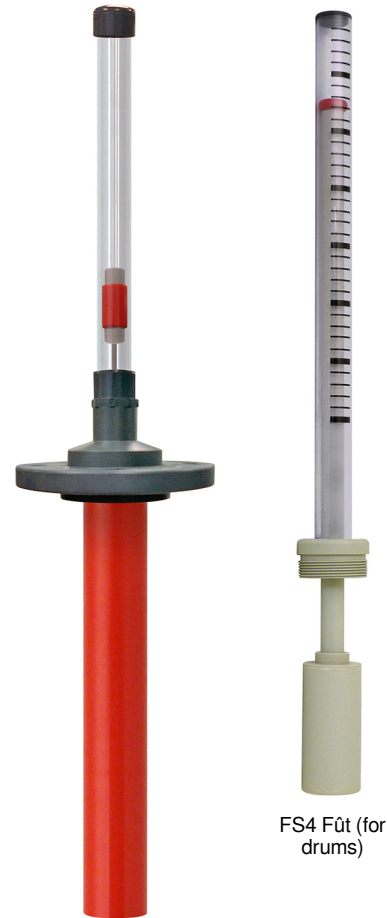
- Fix the FS4 Fût on the threaded connection of the tank (no seal provided)

The level switches must be mounted in accordance with the specifications of their operating instructions.

(BSM 501: Manual msa585-01; BRK 60: Manual msa585-02)

The indicator is operational as soon as it is assembled, the float rises at the same time as the liquid level.

To avoid any rising pressure which would prevent the liquid from going up in the protection tube, two holes located below the coupling ensure the evacuation of the inner atmosphere. While the float is moving, the pointer provides an approximated measurement of the level.



FS4 standard

FS4 Fût (for drums)



Assembly example

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

Top kank level indicators
FS4

24-03-2022

M-584.01-EN-AA

LEV

584-01 /1

TECHNICAL FEATURES

Parts in contact with the liquid:

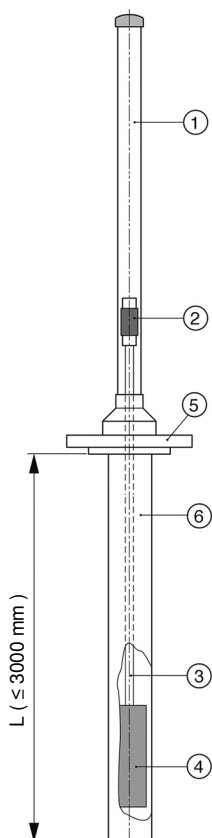
Float	PPH or PVC
Rod	PPH or PVC
Protection tube	PPH or PVC
Maximum temperature	PVC --> 60 °C PPH --> 80 °C
Maximum pressure	Atmospheric

FS4 Standard model

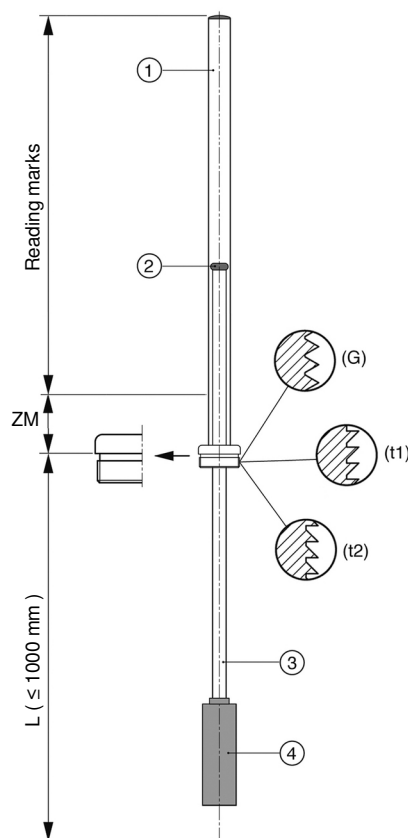
Maximum height	3 m, depends of fluid density
Fitting	Loose flange ND65, in PPH or in PVC

FS4 Fût model

Maximum height	1000 mm, depends of fluid density
Fitting	Thread: BSP-M 2", in PPH Metric buttress thread type 1 or type 2, in PPH



FS4 standard



FS4 Fût

FS4 Standard		FS4 Fût	
(1)	Reading tube, Ø 32, transparent PVC	(1)	Reading tube, Ø 32, transparent PVC
(2)	Magnetic pointer PPH or PVC	(2)	Magnetic pointer, PVC
(3)	Rod, PVC or PPH	(3)	Rod, PVC or PPH
(4)	Float, Ø 50, PVC or PPH	(4)	Float, Ø 50, PVC or PPH
(5)	Loose Flange ND65 PVC or PPH	(G)	Thread BSP-M 2", PPH
(6)	Protection tube, Ø 63, PVC or PPH	(t1)	Metric buttress thread 1 (triangular Ø M57, 4 mm pitch), PPH
-	-	(t2)	Metric buttress thread 2 (triangular Ø M57, 4 mm pitch), PPH
-	-	ZM	Dead zone (100 mm)

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

Top kank level indicators
FS4

LEV

584-01 /2

24-03-2022

M-584.01-EN-AA