

Magnetic tracking float level switch NIVOPOINT



- Made in Stainless steel
- 1 to 5 NO or NC contacts
- Maximum pressure: 25 bar
- Measurement height: 0.25 to 3 meters
- Option: ATEX approvals

APPLICATION

The NIVOPOINT magnetic float level switch is used on liquids for switching level points (high and low) or for triggering alarms (emptying, filling).

The NIVOPOINT series is only recommended for non-viscous liquids that are not sticky and do not contain any magnetic particles or suspended solids.

DESCRIPTION

Switches located in the tube are activated by the magnetic float. As it passes, the contacts change state.

Installation and recommendation:

If access to the tank is available, the float can be installed from the bottom of the NIVOPOINT controller (lower stop to be removed).

If no other access is available, it is recommended to provide a 2" connection to allow the float to pass through.

Quick installation:

The height of the contacts is determined prior to manufacturing in order to facilitate on-site installation and ensure the positioning of the contacts in relation to the installation plan.

TECHNICAL FEATURES

Measurement height	0.25 to 3 meters
Operating temperature	-40 °C...+150 °C (or depending on EX classification)
Operating pressure	25 bar at 20 °C
Average density	min. 0,8 kg/dm ³

Materials:

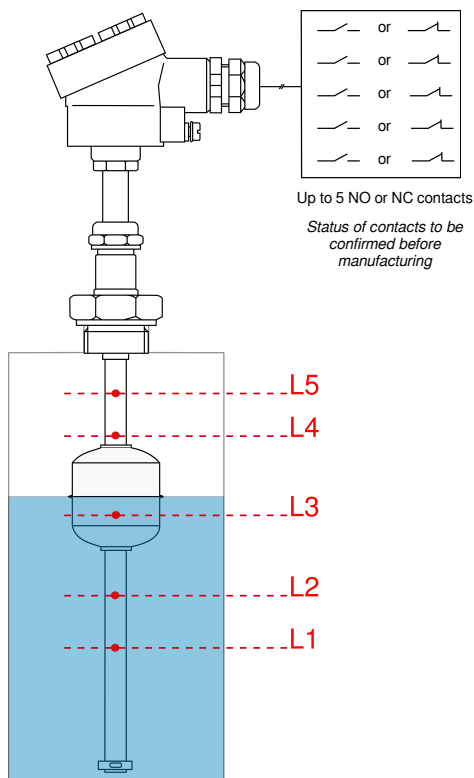
Stem and fitting	AISI 316 Ti (1.4571)
Float	AISI 316 L (1.4404)
Seal	Klingerit (for models with BSP connection)

Electrical contacts:

Number	1 to 5 reed contacts (NO or NC to be specified)
Breaking capacity	120 W / VA, 250 V AC, 3 A / 9 A max.
Switching differential	< 10 mm
Distance between 2 contacts	Minimum 110 mm
Electrical connection	M20x1.5 cable gland Cable diameter: Ø6...12 mm

Process fitting	1" or 2" BSP/NPT
Electrical protection	Classe I
Ingress protection	IP 67 in accordance with EN 60529:2015
Weight	0,45 kg + 0,3 kg/m
Storage conditions	-20 °C...+ 60 °C

CE compliance: The device meets the legal requirements of the applicable European Directives.



Schematic diagram

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

Magnetic tracking float level
switch
NIVOPOINT

12-09-2025

D-553.01-EN-AB

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Ex version

Electrical connection M20x1.5 cable gland
Cable diameter: Ø7...12 mm
Certifications  II 1/2 G Ex db IIC T6...T3 Ga/Gb

Temperature data :

Class	T6	T5	T4	T3
Ambient temperature: -40 °C to	+65 °C	+80 °C	+95 °C	+95 °C
Fluid temperature: -40 °C to	+80 °C	+95 °C	+130 °C	+150 °C

CODE NUMBERS & REFERENCES

Type

Process fitting

- A** 1" BSP
- C** 2" BSP
- D** 1" NPT
- G** 2" NPT

Number of contact(s)**

- 1** 1 x NO/NC
- 2** 2 x NO/NC
- 3** 3 x NO/NC
- 4** 4 x NO/NC
- 5** 5 x NO/NC

Total length*

- 0** 0m
- 1** 1 m
- 2** 2 m
- 3** 3 m
- 4** 4 m
- 5** 5 m

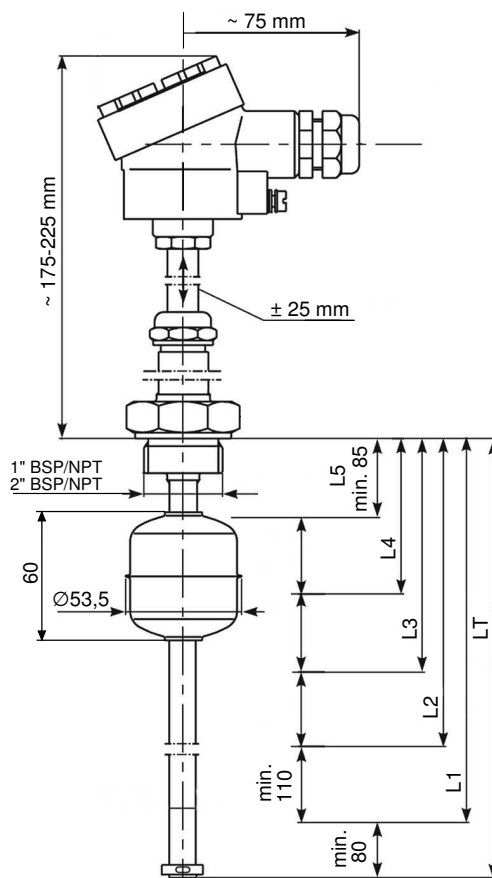
Total length*

- 0** 0m
- 1** 0,1 m
- :**
- 8** 0,8 m
- 9** 0,9 m

Certificate

- 3** Standard
- 7** Ex

MR - - - - -



*For Atex versions, the maximum length is 3 meters.

** The contact mode must be specified when ordering (NO or NC when the tank is empty in the absence of a float).

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

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