

MAGNETIC FLOAT LEVEL CONTROLLER

MNR 6



- Available in PVC, PPH, PVDF & AISI 316
- 1 or 2 change over contacts
- Small dimensions
- Lightly affected by specific weight variations

APPLICATIONS

Pumps and solenoid valves ON/OFF automation, low and high alarm signal, automatic tank filling up or draining, in all industries.

MNR6 series are suitable only for non-viscous and non-sticky liquids, without magnetic and/or solid particles. The liquid may not crystallize.

PRINCIPLE

Reed contacts are fitted in the guiding stem; they are actuated by the magnet built in the float, for 1 or 2 level detections (according your application).

DESCRIPTION

All wetted parts are in PVC with PA (float), PPH, PVDF or stainless steel 316L (see the table – next page).

Mounting above the tank: fixed with a threaded connector or with a flange; a different type without fitting (straight stem) is available with a cable output. In all models the float is easily removed by unscrewing the lower blocking ring.

TECHNICAL FEATURES

Pressure limits (20°C):	3 bar for plastics models, at 20 °C 20 bar for stainless steel model, at 20 °C
Temperature limits	PVC, PA: +5 ... +50°C PPH: -5 ... +105°C PVDF: -10 ... +110°C 316L: -20 ... +110°C
Contact (1 or 2):	Change over contacts, bi-stable (using a stopper) 100 mm between 2 contacts as a minimum Switching capacity: 60 VA
Accuracy:	± 2 mm
Hysteresis:	8 mm
Dead zones	Upper: 60 mm Lower: 50 mm

WIRING

Wiring is done through the screw terminal in the head housing (in PP for plastic models and aluminium ally for stainless steel model).

For remote cable connection, the cable output model allows the use of 1 bi-stable change over contact or 2 bi-stable contacts NO or NC or NO and NC. The DIN connector model is only available with 1 contact.

BAMO MESURES

22, Rue de la Voie des Bans - 95 100 ARGENTEUIL - FRANCE

Phone +33 (0)1 30 25 83 20 - E-mail: info@bamo.fr

Fax: +33 (0)1 34 10 16 05 - <http://www.bamo.eu>

MAGNETIC FLOAT LEVEL
CONTROLLER
MNR 6

30-09-2015

551 11 01 H

NIV

551-01

FEATURES

Stem and stopper(s) material

PVC (Max. length 1000 mm)
 PPH (Max. length 1000 mm)
 PVDF (Max. length 1000 mm)
 316 L (Max. length 1500 mm)

Float material

PA
 PPH
 PVDF
 316 L

Contact number

1 or 2 contact(s)

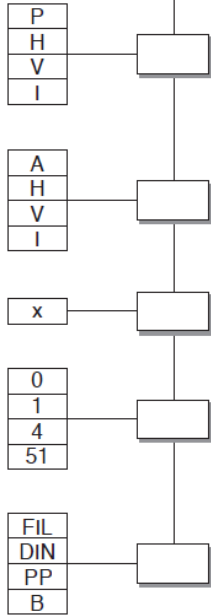
Process connection

None
 1/2" G
 2" G
 Flange DN 50

Head housing

Cable output (3 m long)
 DIN connector (only 1 contact)
 PP head housing
 Type B (aluminium alloy)

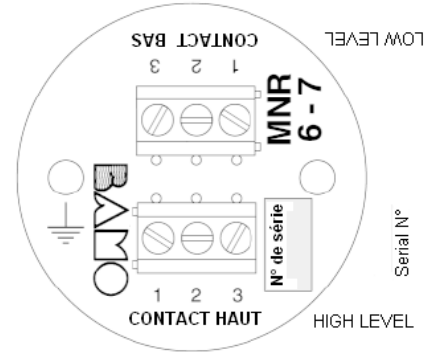
MNR 6



FLOAT FEATURES

Material	Height mm	Ø mm	Mass g	S. W. kg/L
PA	29	42	22	0.75
PPH	36	42	20	0.65
PVDF	49	41	40	0.90
Inox	43	43	24	0.70

WIRING



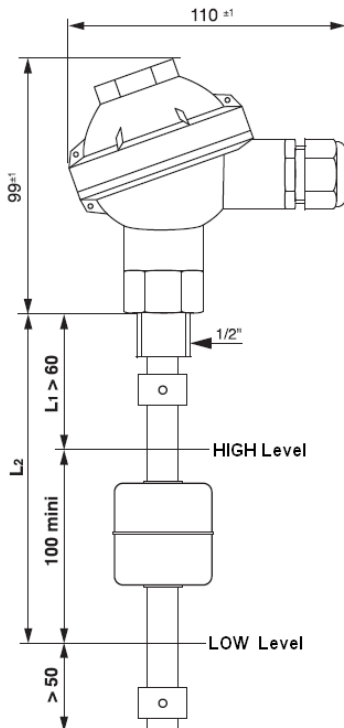
Configuration when the float is out

All features are not compatible to each other, Please request a quote.

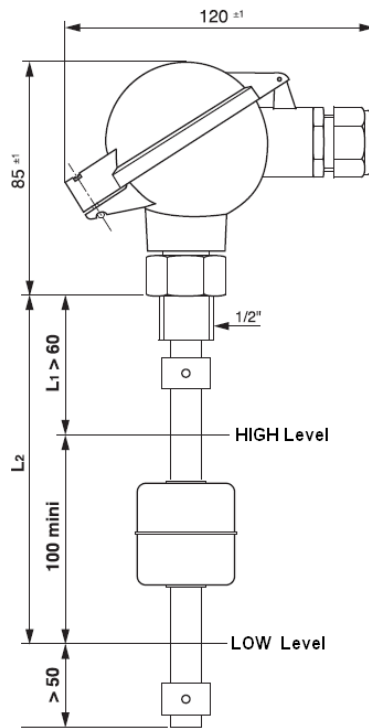


DIMENSIONS

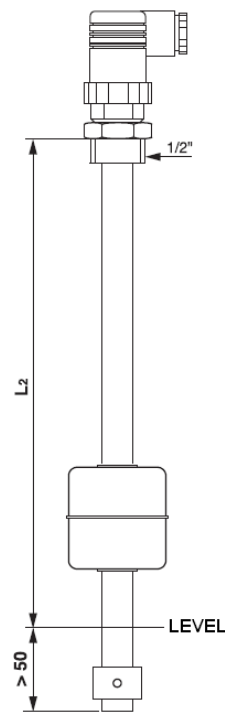
MNR 6 P-H-2-1-PP



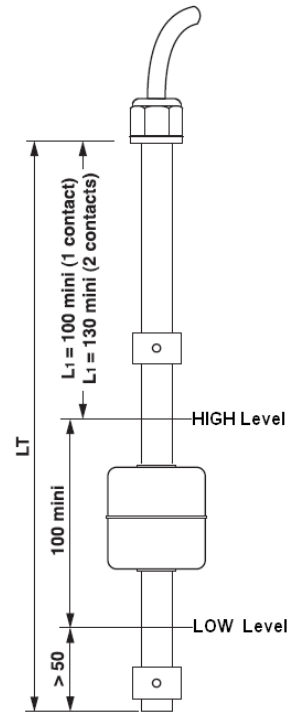
MNR 6 I-I-2-1-B



MNR 6 I-A-1-1-DIN



MNR 6 I-H-2-0-FIL



BAMO MESURES

22, Rue de la Voie des Bans - 95 100 ARGENTEUIL - FRANCE

Phone +33 (0)1 30 25 83 20 - E-mail: info@bamo.fr

Fax: +33 (0)1 34 10 16 05 - http://www.bamo.eu

MAGNETIC FLOAT LEVEL
 CONTROLLER
MNR 6

30-09-2015

55111 01 H

NIV

551-01