

FOR SEWAGE

# NIVOFLOAT

FLOAT LEVEL SWITCHES



3 YEARS WARRANTY @ NIVELCO – WHERE ELSE?

# NIVELCO

LEVEL SWITCHES

## APPLICATIONS

- For industrial and communal sewage
- Suitable also for drinking water
- Special float shape
- Double-chambered float
- Tank filling / emptying control
- Medium temperature max. +50 °C (+122 °F)
- Process pressure max. 2 bar g (30 psi g)
- IP68 protection

## GENERAL DESCRIPTION

The NIVOFLOAT NW-100 type tilting float level switch is suitable for level switching of various liquids, especially sewage in shafts, tanks, basins or cisterns. The double-chambered float is made of injection moulded tough polypropylene that ensures good water-proof protection.

The contacting microswitch is incorporated in the float.

The cable of the NIVOFLOAT NW-100 level switch is fed through the water-proof passage and the monolithic structure of the injection moulded plastic housing. The cable of the level switch is a flexible insulated copper cable with 3x 1 mm<sup>2</sup> (AWG 17) cross-section and PVC or Neopren outer insulation. Different control tasks such as liquid level monitoring and pump control can be realized successfully with NIVOFLOAT.

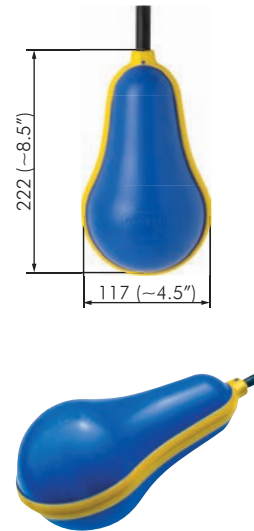
## TECHNICAL DATA

Type	NW-1-□□-1
Switching differential	~ 400 mm (constant)
Medium temperature	0°C ... +50 °C (+32 °F ... +122 °F)
Medium pressure	0.2 MPa (2 bar g - 30 psi g)
Material of the float	Polypropylene
Float volume	1000 cm <sup>3</sup> (61 in <sup>3</sup> )
Rating of the microswitch	10(3) A, 250 V AC, AC1
Electrical life-span	10 <sup>7</sup> switches
Mechanical protection	IP 68
Cable	Ø 9 mm (0.35 inch), 3x 1 mm <sup>2</sup> (AWG 17)
Cable length	5 m, 10 m, 20 m (16.5 ft, 33 ft, 66 ft)
Mass	1.1 kg (2.4 lb), without cable

## OPERATION

The NIVOFLOAT tilting level switch featuring mercury free contact is suitable for level switching of sewage, polluted liquids or drinking water. The double-chambered float and the sealing of the cable outlet provide hermetic sealing and water-proof operation. The float should be immersed to the required level and fixed if needed. At the given level, the float will switch by tilting. The special shape of the float ensures proper tilting **without using a counterweight**.

## DIMENSIONS

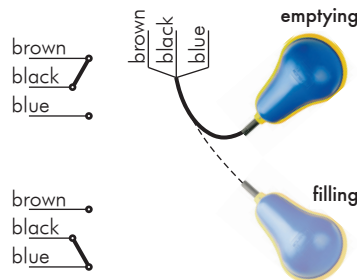


## ORDER CODES

NIVOFLOAT NW  - - -1

Cable material	Code	Cable length	Code
PVC	P	5 m (16.5 feet)	05
Neopren	N	10 m (33 feet)	10
		20 m (66 feet)	20

## WIRING



## APPLICATION EXAMPLES

