

### GENERAL DESCRIPTION

The **NIVOFLOAT NL-100** type floating level switch is suitable for level switching of various kinds of water, 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 waterproof protection. The contacting microswitch is incorporated in the float.

The cable of the **NIVOFLOAT** level switch is fed through a waterproof sealed entry into the monolithic structure of the injection moulded plastic housing. The cable of the level switch is a flexible insulated copper cable with AWG17 cross section and PVC or Neoprene outer insulation. Different control tasks such as liquid level monitoring and pump control can be accomplished with **NIVOFLOAT**.

### NIVOFLOAT NL-100

#### MAIN FEATURES

- Double-chambered float
- Switching differential is adjustable by counterweight
- Maximum 66 feet cable length
- Medium temperature max. +122°F
- Process pressure max. 14.5 psig
- Can be certified for potable water
- IP68 protection

#### APPLICATIONS

- For potable water
- For industrial and communal sewage
- Tank filling / emptying control
- For overflow protection



NMW-100  
counterweight

NL-100  
float level switch

### TECHNICAL DATA (NL)

Type	NL0-1-□□-1
Switching angle	± 45°
Medium temperature	+32 °F to +122 °F
Medium pressure	max. 14.5 psi g
Material of the float	Polypropylene
Material of the counterweight	Polystyrene
Float volume	26.25 in <sup>3</sup> (430 cm <sup>3</sup> )
Rating of the microswitch	10(4) A, 250V AC, AC1
Electrical life-span	10 <sup>7</sup> switches
Mechanical protection	IP68
Cable	Ø 0.35 inch / AWG17
Cable length	16.5 / 33 / 66 ft (5 / 10 / 20 m)
Mass	0.55 lb, without cable

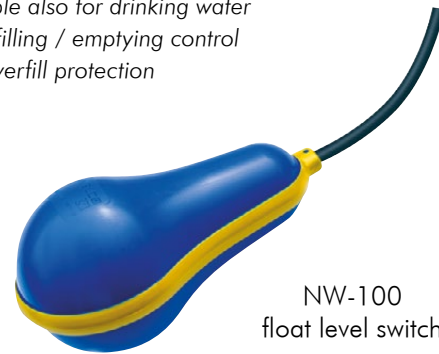
### NIVOFLOAT NW-100

#### MAIN FEATURES

- Special float shape
- Double-chambered float
- Maximum 66 feet cable length
- Medium temperature max. +122°F
- Process pressure max. 30 psig
- Can be certified for potable water
- IP68 protection

#### APPLICATIONS

- For industrial and communal sewage
- Suitable also for drinking water
- Tank filling / emptying control
- For overflow protection



NW-100  
float level switch

### TECHNICAL DATA (NW)

Type	NW0-1-□□-1
Switching differential	~ 15.75 (constant)
Medium temperature	+32 °F to +122 °F
Medium pressure	max. 30 psig
Material of the float	Polypropylene
Float volume	61 in <sup>3</sup> (1000 cm <sup>3</sup> )
Rating of the microswitch	10(3) A, 250V AC, AC1
Electrical life-span	10 <sup>7</sup> switches
Mechanical protection	IP68
Cable	Ø 0.35 inch / AWG17
Cable length	16.5 / 33 / 66 ft (5 / 10 / 20 m)
Mass	2.4 lb, without cable

### NIVOFLOAT N-100

Double-chamber float level switch  
with PVC or Neoprene cable

#### Type

N   - 1   - 1

L For clean water  
W For waste water

#### Cable material

N   - 1   - 1

N Neoprene  
P PVC

#### Cable length

N   - 1   - 1

PVC cable

0 5 16.5 ft (5 m)  
1 0 33 ft (10 m)  
2 0 66 ft (20 m)

Neoprene cable

0 5 16.5 ft (5 m)  
1 0 33 ft (10 m)  
2 0 66 ft (20 m)

N   - 1   -

1 Without counterweight

### NIVOFLOAT NMW-100

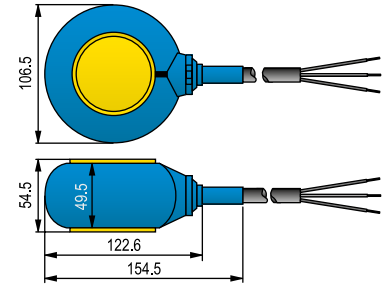
Counterweight for NL type float level switch  
Material: polystyrene

#### Type

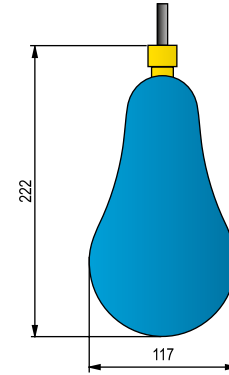
N M W - 1 0 0 - 0 Counterweight

#### Available on request

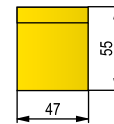
- Non-standard lengths for over 100 pcs



NL□-100



NW□-100



NMW-100

#### NIV24

NLP-105-1, NWP-105-1

NLP-110-1, NWP-110-1

NLP-120-1, NWP-120-1

NLN-105-1, NWN-105-1

NLN-110-1, NWN-110-1

NLN-120-1, NWN-120-1

NMW-100-0