

Level controllers

NVM/PP/. level controllers

Magnetically operated liquid level controllers

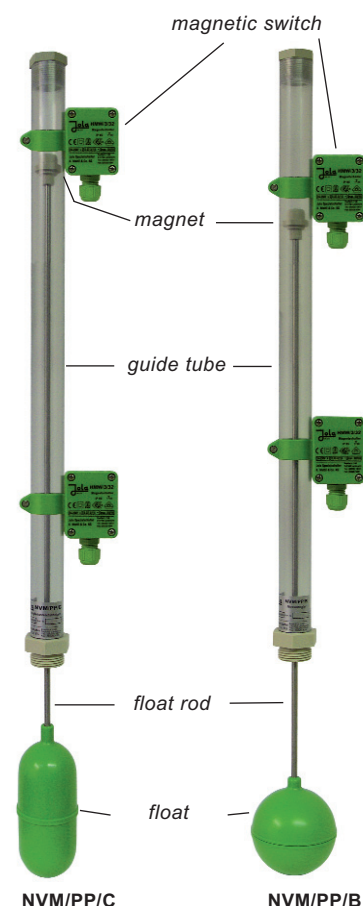
These level controllers are fitted with a float and a float rod to which a magnet is attached at the opposite end of the float.

The float follows the level of the liquid and moves up or down the float rod inserted through the screw-in threaded nipple of the unit. Above the nipple the guide tube is attached for the float rod and the magnet. Adjustable HMW/.32 magnetic switches are mounted on the outside of the tube.

These magnetic switches have so-called bistable characteristics; i.e. they remain in the switching status caused by the influence of the passing magnet and only switch over when the magnet passes by in the opposite direction.

These units are not suitable for use in turbulent liquids (e.g. in stirrer tanks) nor for use on vibrating machines or in places at risk from shock or vibration.

Technical data	NVM/PP/C	NVM/PP/B
Float • material • dimensions	PP Ø 63 mm x 140 mm Ø 85 mm	
Float rod • material • diameter • length	stainless steel 316 Ti or titanium 6 mm as required, measured from the nipple sealing surface and without float (dimension L)	
Max. length of the float rod for liquids with a specific gravity of 1 g/cm ³ (dimension L) • stainless steel 316 Ti rod • titanium rod	700 mm 1,200 mm	800 mm 1,200 mm
	max. lengths for other specific gravities on request	
Magnet capsule material	PP	
Screw-in nipple • material • dimensions	PP, on request: stainless steel 316 Ti G1	
Option: installation flange for mounting of the unit from outside the tank	square flange made of PP, PVDF or stainless steel	flange DN 100 or bigger made of any material
Float rod guiding piece material	POM; PTFE on request	
Guide tube • material • dimensions	transparent PVC Ø 32 mm x L + 65, other lengths on request	
Mounted magnetic switches	HMW/3/32 or HMW/1/32	
Max. number of magnetic switches	as required and according to the guide tube length	
Mounting orientation	vertical	
Temperature range	+ 1°C to + 60°C	
Pressure resistance	for pressureless applications only	
Option	chemical protection composed of: • shrinkdown tubing made of PVDF covering the float rod, • transition piece made of PP between rod and float, • guiding piece for the float rod made of PTFE instead of POM	



- ① return switching when magnet is falling
- ② return switching when magnet is rising
- ③ min. switching point when magnet is falling
- ④ max. switching point when magnet is rising

