

# Floats GSB-390-... / PPS-390-... / PVS-390-... Weights PVG-399-...

## Mounting and Start-up Instructions

### Safety Instructions

The precondition for flawless, safe operation of the floats and weights is appropriate transport, storage, assembly, professional installation and start-up, proper use and maintenance.

These activities may only be performed by persons, who have the necessary expertise and qualifications. The relevant safety regulations for the construction and operation of electrical systems must be observed. If information contained in these instructions should prove to be inadequate in any way, please contact the manufacturer.

### Application/Function

Optimum solution for the optical display of filling levels using our level indicators with a bypass sighting tube (W-35... / MTA). A safe recording of limit values in connection with our switching contacts (MO, BI, BK-390). The floats/weights have a switching magnet (magnet system). The switching magnet activates the switching contacts installed on the bypass tube when it passes these by.

### Mounting

Do not operate in the vicinity of strong magnetic fields or ferromagnetic parts. Observe a minimum distance of > 150 mm to metallic fixtures.

**Float:** Insert the float into the lower end of the sighting tube to be installed.

**PPS/PVS:** The "O" mark points upwards on installation, the red mark indicates the position of the magnet.

**GSB:** The switching magnet must sit in the upper half of the float, the position of the magnet is visible.

**Weights:** Guide the end of the control wire through the bore hole of the enclosed screw-in nipple and secure with knots. Screw the screw-in nipple into the weight hand tight. Switching magnet sits in the foot.

### Commissioning / Maintenance / Servicing

Check the reliable switching function of the contacts to be activated. Clean the systems of any impurities and metal parts or chips attracted by the magnet system.

### Technical data

Version	Dimension / weight	Outer Ø tube	Material	Temperature	Pressure	Medium density
PPS-390-32 /(U)	Ø 26x180mm ~ 38g	32 and 34 mm	PPH	Max. 90°C	Max. 2.5 bar	Min. $\rho \geq 0.95 \text{ g/m}^3$
PPS-390-37 /(U)	Ø 29.5x170mm ~ 62g	40 mm (PN 16)	PPH	Max. 90°C	Max. 2.5 bar	Min. $\rho \geq 0.95 \text{ g/m}^3$
PPS-390-40 /(U)	Ø 40x165 mm ~ 145g	50 mm	PPH	Max. 90°C	Max. 2.5 bar	Min. $\rho \geq 0.85 \text{ g/m}^3$
PVS-390-40 /(U)	Ø 40x160 mm ~ 152g	50 mm	PVC	Max. 60°C	Max. 2.5 bar	Min. $\rho \geq 0.95 \text{ g/m}^3$
PPS-390-50 /(U)	Ø 50x125 mm ~ 156g	63 mm	PPH	Max. 90°C	Max. 2.5 bar	Min. $\rho \geq 0.80 \text{ g/m}^3$
PVS-390-50 /(U)	Ø 50x145 mm ~ 220g	63 mm	PVC	Max. 60°C	Max. 2.5 bar	Min. $\rho \geq 0.90 \text{ g/m}^3$

#### Suitable for W-35... optionally in connection with MO, BI, BK-390

GSB-390-150	Ø 26.5x150mm ~ 50g	34 mm	Glass	Max. 120°C	Max. 10 bar	Min. $\rho \geq 0.93 \text{ g/m}^3$
GSB-390-190	Ø 26.5x190mm ~ 61g	34 mm	Glass	Max. 120°C	Max. 10 bar	Min. $\rho \geq 0.83 \text{ g/m}^3$
GSB-390-205	Ø 26.5x205mm ~ 69g	34 mm	Glass	Max. 120°C	Max. 10 bar	Min. $\rho \geq 0.95 \text{ g/m}^3$

#### Suitable for W-35... optionally in connection with MO, BI, BK-390

PVG-399-32	Ø 25x175mm ~ 180g	32 and 34 mm	PVC	Atmospheric	<b>Suitable for MTA optionally in connection with MO, BI, BK-390</b>
PVG-399-37	Ø 30x170mm ~ 180g	40 mm	PVC	Atmospheric	
PVG-399-40	Ø 40x110mm ~ 175g	50 mm	PVC	Atmospheric	
4012 to 12m	Ø 40x110mm ~ 300g	50 mm	PVC	Atmospheric	
4016 to 16m	Ø 40x110mm ~ 360g	50 mm	PVC	Atmospheric	
PVG-399-50	Ø 50x130mm ~ 225g	63 mm	PVC	Atmospheric	
5012 to 12m	Ø 50x130mm ~ 300g	63 mm	PVC	Atmospheric	
5016 to 16m	Ø 50x130mm ~ 360g	63 mm	PVC	Atmospheric	