

### Suspended float switch - of the series „T“ ...the patented level controller



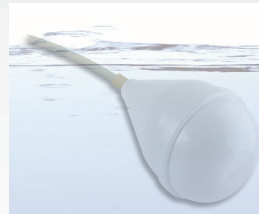
Fig.: Suspended float switch „WASTE“ - for use in waste water systems

The hanging float switch of series „T“ are ideal for level control in drainage systems, pumping stations and wastewater systems.

Used in domestic, industrial or municipal sector, for waste water, drinking water, chemical substances and environment for use in explosive areas (ATEX)\* - (type variety - More on request).

The float switch is hanging freely regulated to the desired level. By increase or decrease in the liquid level, the situation of the float switch changed, whereby the micro switch opens the circuit or closes (Principle of operation).

Selection (others on request)



Series „T“ - Type: „ACS“  
Application: Drinkable

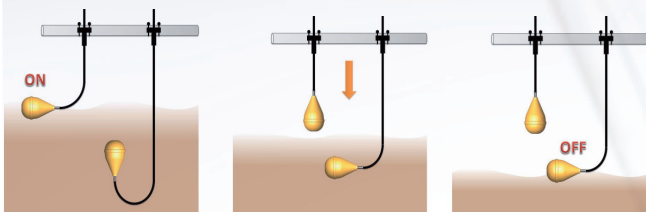
„SiHF“  
High Temperature

„FEP“  
Chemical Ambient

Atex-Schutz  
II 1G Ex ia IIC T6  
Explosive \*



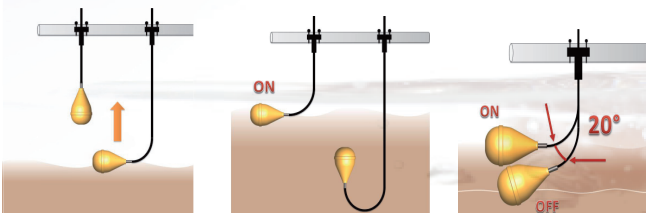
#### Principle of operation



The high level starts the pump...

..the tank drains...

..the low level stops the pump..



..the tank fills...

..and the high level starts the pump.

activation angle: 20°

Used in couple with another of the same type allows you to adjust the levels of minimum and maximum. It's also possible to use a third and fourth regulator respectively for minimum and maximum alarm.

#### Fixing



CORRECT - hanging freely!



WRONG



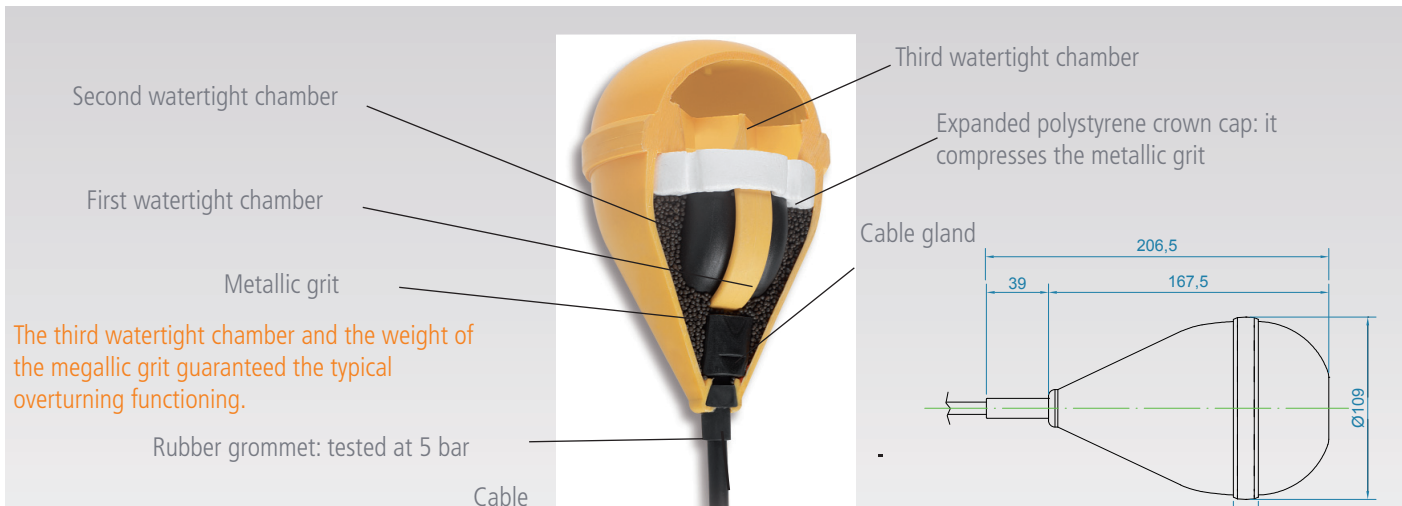
Fixing kit - Straining clamp, Art. 282396

#### Advantages

- Used in couple with another of the same type allows you to adjust the levels of minimum and maximum. It's also possible to use a third and fourth regulator respectively for minimum and maximum alarm.
- Three watertight chambers level regulator with freely suspended trim variation.
- Unlike traditional floats that float on the water surface, the float switch of series „T“ thanks to its special construction with integrated counterweight, remains underwater.
- Float switch of series „T“ produced without chemicals, mercury free, 100% recyclable - patented.

### Suspended float switch - of the series „T“

### - Technical Details -



Type	„WASTE“	„ACS“	„SiHF“	„FEP“	„ATEX“
Part no.	286431	286448	286455	286462	285618
Application areas	Dirty water systems, drainage plants, pumping stations...	Water main, drinkable water fountains, drinks and foodstuffs, aquarium, fishponds, swimming pool...	Resistant to heat and severe temperature changes. Can be used primarily in steel producing industry, aviation industry, ship building, cement, glass factories, ceramic factories...	Suitable for immersion in: hydrocarbons, medical and scientific plants, purification plants, air conditioning equipment..	For use in explosive environments*. Suitable for level regulation in drainage plants, pumping stations and dirty water systems...
Cable**	H07 RN-F 3x1 - Ø 8,8mm (2 functions); H05 RN-F 3X1 - Ø 7,4mm (2 functions); H07 RN8-F 3G1 - Ø 8,8mm (1 function) H07 RN-F 3G1 oil resistant - Ø 8,8mm (1 function); 10 - 20 m	ACS + AD8 3X1 - Ø 8,8mm (2 functions) (10 m - 20 m) - (32,8 ft - 65,6 ft)	SiHF 4G1,5 - Ø 8,8mm (2 functions) (10 m - 20 m) - (32,8 ft - 65,6 ft)	FEP - FFR105OPR5F 4G0.75 - Ø 8,8mm (2 functions) (10 m - 20 m) - (32,8 ft - 65,6 ft)	H05RN-F 4G0,75 (RN8-F mix) Ø 8,8mm (2 functions) (10 m - 20 m) - (32,8 ft - 65,6 ft)
Grommet	EPDM Santoprene	Megol	Viton	Viton	EPDM
Casing	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Composite Mat. - Carbon Black
Power Supply	20(8)A 250 V	20(8)A 250 V	20(8)A 250 V	20(8)A 250 V	max. 4-40 Vac /max 100 mA
Activation Angle	20°	20°	20°	20°	20°
Depth	20 m - 65,6 ft	20 m - 65,6 ft	20 m - 65,6 ft	20 m - 65,6 ft	20 m - 65,6 ft
Temperature	max. +60°C (+140°F)	max. +40°C (+104°F)	max. +80°C (+176°F)	max. +80°C (+175°F)	max. +80°C (+175°F)
Protection Grade	IP 68	IP 68	IP 68	IP 68	IP 68
Class	I - II	II	I	I	I
Specific Gravity	0,95 - 1,05 kg/dm <sup>3</sup>	0,95 - 1,05 kg/dm <sup>3</sup>	0,95 - 1,05 kg/dm <sup>3</sup>	0,95 - 1,05 kg/dm <sup>3</sup>	0,95 - 1,05 kg/dm <sup>3</sup>
Certificates /Approvals	CE 3G1 H07 RN-F 3G1 H07 RN-F oil resistant 3X1 H07 RN-F (2 functions) 3X1 H05 RN-F (2 functions)	CE ACS + AD8 approved	CE SiHF	CE FEP - FFR105OPR5F	CE Ex H05RN-F II 1GEx Ia IIC T6 2010ATEX 2328(Tecnoplasic)*
Fixing kit (optional)	Straining clamp (stainless steel) , part no. 282396				

Kontakt:

Please contact us,

if you have any questions about this product or any other of our products.



We are here to assist.

Condor Pressure Control GmbH  
Warendorfer Str. 47-51  
D-59320 Ennigerloh/Germany

Phone +49 (0)25 87-89-0

info@condor-cpc.com

Fax +49 (0)25 87-89-599

www.condor-cpc.com