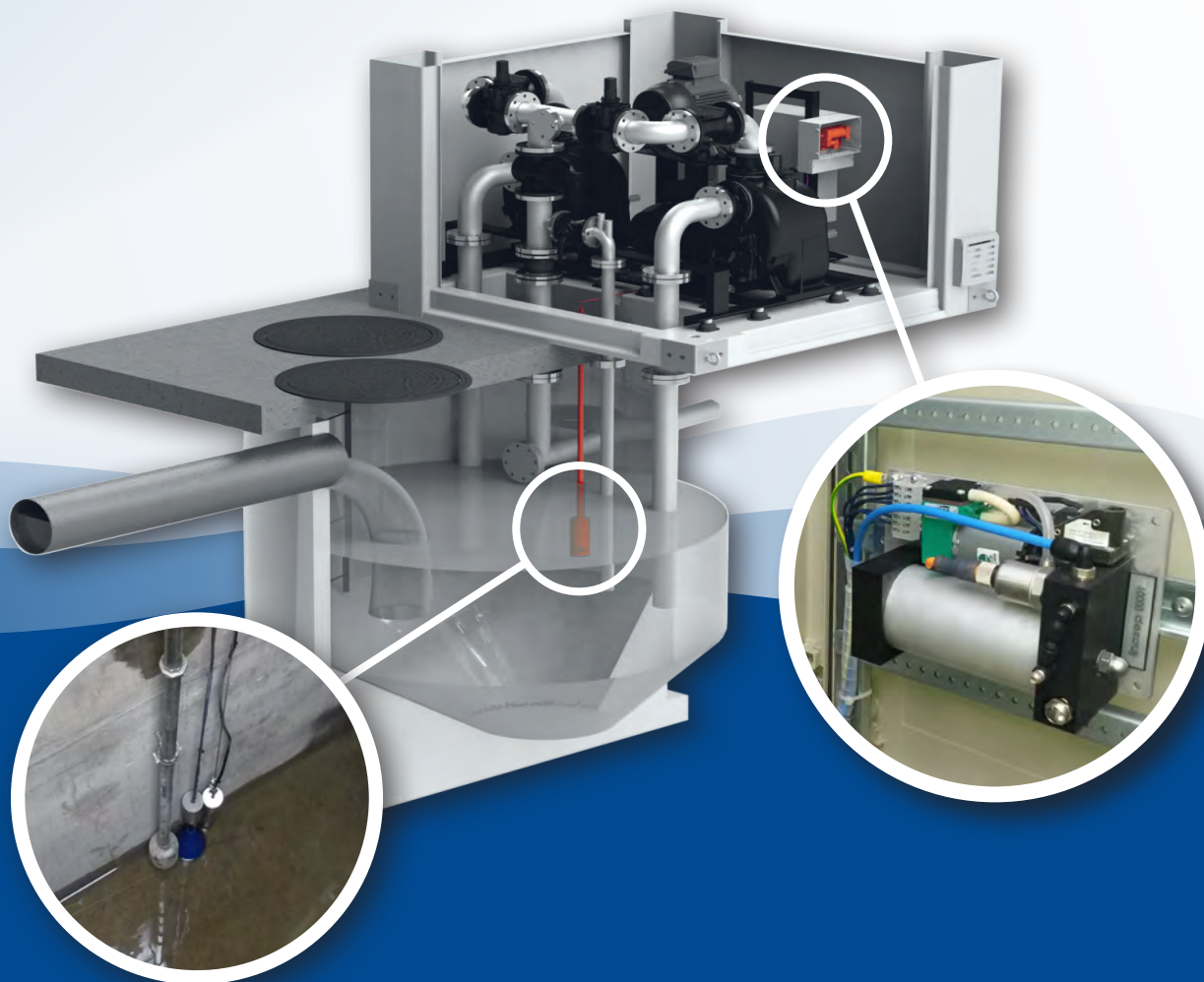


# HABS 2000

## HYDRO+ AIR BUBBLER SYSTEM



**Level measurement  
by bubble back-pressure**

**Hydro+**  
Pumps & Mixers

**ENGINEERING  
SYSTEMS** by HYDRO+

[www.hydro-plus.be](http://www.hydro-plus.be)



The principle involves injecting, through a tube, a low flow of air at the lowest point of the column of water that you want to measure. The pressure is then measured using a pressure switch.

For a low and constant flow of air, the air outlet pressure and the hydrostatic pressure are in equilibrium. At a fixed density, the hydrostatic pressure remains proportional to the level of the water.

This measurement technology is used everywhere where reliable liquid level measurement is required over the long term. It is used in many different fields, including industry, purification and so on.

## ADVANTAGES

- ▶ Measurement not affected by surface foam or suspended matter
- ▶ Instrumentation located remotely in the electric control panel: no contact with the liquid, stable temperature.
- ▶ Reliable measurement over the long-term
- ▶ Long compressor service life thanks to alternate operation



## TECHNICAL SPECIFICATIONS

- ▶ Power supply: 24V DC
- ▶ Quick-release connection terminals
- ▶ Measuring loop : 4 to 20 mA , two-wire
- ▶ Isolated analogue 4-20mA output
- ▶ Measuring range: 10m CE
- ▶ Max. margin of error: 0.3 %
- ▶ Operating T°: 0 to 40°C
- ▶ Mounted on DIN rails or screw-mounted for installation in the electrical cabinet

## OPTIONS

- CL:** 304 stainless steel bell kit, weld nipple and pneumatic connection Diam. 6 mm
- C:** IP66 plastic cabinet with digital display and 2 threshold relays
- R:** Mounted on DIN 35mm rail in accordance with the EN60715 standard
- V:** Screw-mounted (compulsory for option C)