

Waste water systems

Accessories for waste water tanks

Vacuum operated vent valve type VRF

Indispensable safety factor

To prevent the possibility of insufficient air entering through the vent line during pump out operations causing the tank to implode, VETUS has developed a valve according to the ISO 8099 standard. In case of significantly reduced pressure in the holding tanks, the valve will open automatically to let air into the tank. By using this valve, fitting of a large diameter vent line is no longer necessary. The valve is made from synthetic materials and therefore absolutely corrosion-free. Hole size in the tank is 56 mm.



VRF56A

Type	Description
VRF56A	Vacuum valve for waste water tank, requires Ø 56 mm hole

Ultrasonic level sensors

Accurate, contactless tank monitoring

The VETUS SENSORA and SENSORB are advanced ultrasonic level sensors designed to monitor tank contents without any moving parts or direct contact with the liquid. These sensors can be used in waste water (black and grey water), fresh water, diesel fuel, or petrol tanks of almost any shape and size - up to 120 cm deep. Max. tank capacity 5000 L. Perfect for modern boats and yachts, they offer easy installation and high reliability. Once installed, the sensor can be calibrated on the spot using a built-in LED and wire. No extra tools are needed.



SENSORA

SENSORB

Specifications

SENSORA - Analogue output sensor

- Contactless ultrasonic measurement for high reliability
- Compatible with all VETUS analogue tank level gauges and WWCP panel
- Easy onboard calibration with LED and a calibration wire
- Ideal for black, grey, fresh water, petrol, and diesel fuel tanks
- Not suitable for use with metal tanks

Specifications

SENSORB - CANbus sensor

- Uses RS485 bus interface (CANbus type)
- Designed for integration with digital VETUS display SENSORD
- Contactless, reliable, and easy to calibrate
- Ideal for high-end digital installations
- Not suitable for use with metal tanks

By using an RS485 user interface, data can be transmitted over long distances without signal loss, there is a higher degree of noise immunity, and support for eight sensors connected to one SENSORD panel.

Feature	SENSORA	SENSORB
Output interface	Analogue	RS485 Bus (CANbus)
Voltage	12 / 24 VDC	12 / 24 VDC
Current consumption	35 mA	35 mA
Max. tank depth	120 cm	120 cm
Accuracy	±5%	±5%
Temperature range	-20 °C to +70 °C	-20 °C to +70 °C
Mounting flange	SAE, 5-hole	SAE, 5-hole
Dimensions	Ø 77 mm x 23 mm	Ø 77 mm x 23 mm
Compatibility	Analogue gauges, WWCP panel	SENSORD digital display
Suitable for	Black/grey water, water, fuel tanks	Black/grey water, water, fuel tanks
Not suitable for	Metal tanks	Metal tanks