

Tank Volume Measurement KVA-3

for suction and sewer cleaning vehicles

Description

For the registration or invoicing of the volumes of suction materials absorbed or quantities of freshwater used, a sufficiently accurate electronic display with a documentation interface to the vehicle-PC or document printer is often required.

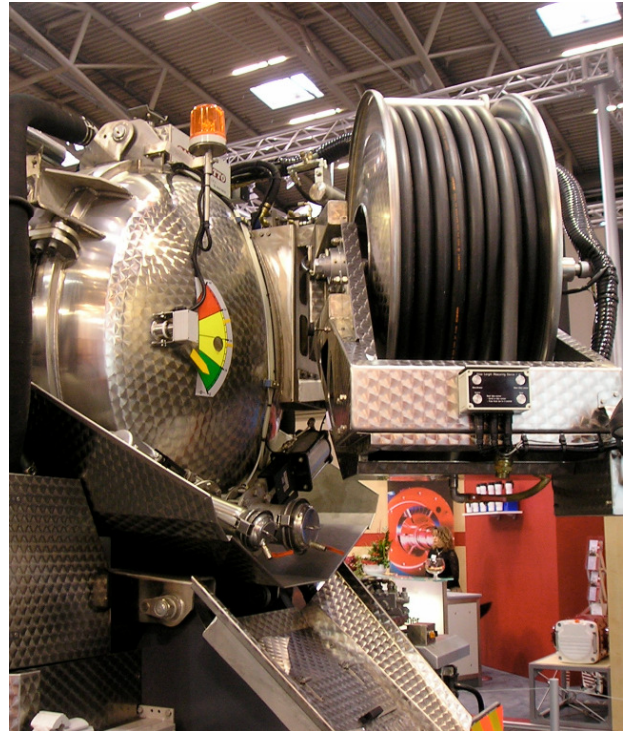
Under the particular conditions represented by different boiler versions and measuring principles for the boiler filling level a display unit has been created that fulfils this task in a particularly efficient way.

With the aid of this display device for 1 or 2 boiler fillings of waste and freshwater und also of the level-dependent signal of any kind of sensor (capacitive, super-sonic, ball float level sensor) a filling level display for up to two chambers can be realised. In doing so the piston position of any adjustment piston that might be available is taken into account.

The display is available as both a separate device and in combination with a contact-free electronic tube length measuring device.

The tank volume indicator is accommodated in a robust, water-tight housing which, if required, is supplied with a stainless steel sun visor.

The optional CAN-bus interface allows it to be incorporated in a vehicle control system and remote control concept.



Combined device filling volume / tube length

Technical data:

Supply:	12 - 30 V DC (Car board net)
Configurations:	2 chambers max. 20 m ³ Adjustment piston 3 positions
Measurement res.:	Water tank: 10 l Slurry tank: 100 l
Measurement acc.:	0.5 % of the final value, absolute accuracy dependent on the sensors used
Functions:	a) Measuring of the relative quantise according to tare b) Display of the total boiler filling levels
Degree of protection	IP 67
Options:	-Stainless steel sun visor -Communication portal to data transmission (CAN) -switching output