

## Single-Jet Dry Valve Meter Measuring Head MODULARIS ETK-VAX, ETW-VAX



Fig. top view ETK-VAX ALL

Our Wehrle single-jet dry valve meter MODULARIS portfolio covers standard armatures. They can be integrated into AMR systems via additional reading modules without a problem.

- Ready for integration into any AMR system
- Temperature range up to 50 °C (cold) and up to 90 °C (warm)
- Nominal flow  $Q_3$  2,5 in  $m^3/h$
- Length 85 mm
- MID measurement accuracy class (Q3/Q1) up to R80 horizontal and up to R40 vertical
- 360° rotatable 8-digit totalizer
- Chrom-plated brass body
- Maximum pressure load 1,6 MPa
- Protection code IP64

# Single-Jet Dry Valve Meter Measuring Head MODULARIS

ETK-VAX, ETW-VAX

## REMOTE READING OPTIONS AMR

(Automatic Meter Reading)

### MODULARIS modules:

MODULARIS Pulse Generator, S0, DIN 43864

alternatively with - 1 Litre per pulse

- 10 Litres per pulse

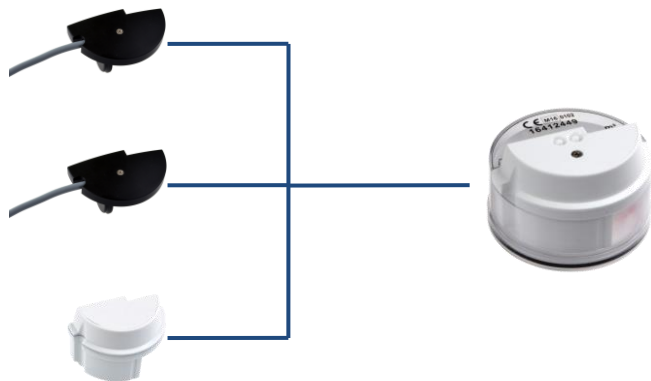
- 100 Litres per pulse

MODULARIS M-Bus module

according to EN 1434-3

MODULARIS Radio module, frequency range

433 MHz or 868 MHz (OMS)



## Retrofitting with Modularis Radio module

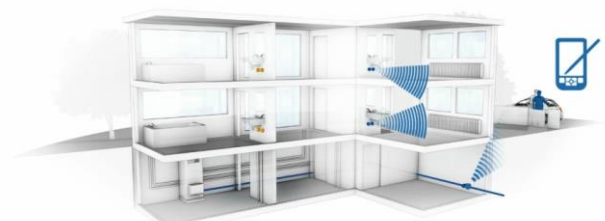
- Individually parameterizable
- Data recording via walk-by / drive-by
- Consumption data permanently stored
- Battery lifetime of up to 12 years
- Detection of rotation direction
- Manipulation detection



## Maximum convenience through AMR

### walk-by / drive-by solution

- Recording and storage of consumption data inside the radio module
- Reading of stored data via mobile reading device



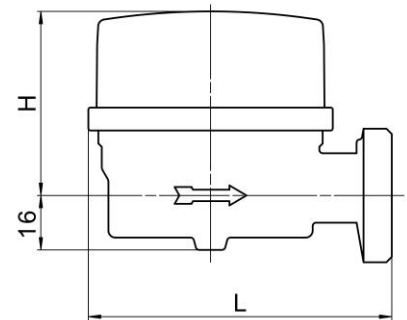
# Single-Jet Dry Valve Meter Measuring Head MODULARIS

ETK-VAX, ETW-VAX

## TECHNICAL DATA

### Model

ETK-VAX= Cold water from +0,1 °C up to +50 °C  
 ETW-VAX = Warm water from +0,1 °C up to +90 °C

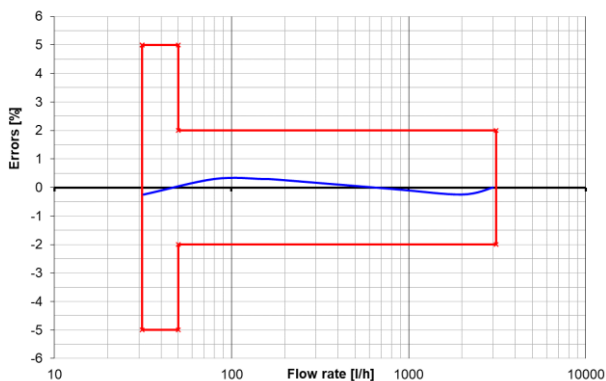


Compatible to connecting fitting	Type	Height H in mm (ca.)	Length L in mm	Nominal flow Q <sub>3</sub> in m <sup>3</sup> /h	Thread	Starting flow* in l/h	Flow rate Q' at 1 bar pressure loss in l/h (ca.)	Weight in kg (ca.)
Allmess (as of 1985)	ALL	52	85	2,5	M38x1,5	12	3700	0,4
Minol	MIN	52	85	2,5	M38x1,5	12	3500	0,4
Wehrle	WEH	52	85	2,5	G 1 ¼"	12	3250	0,4

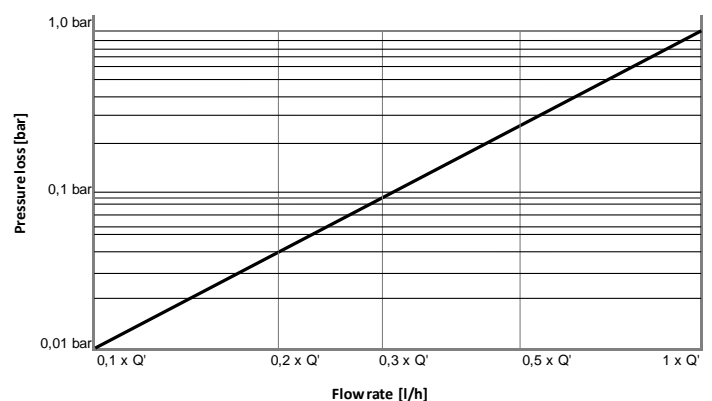
\* Typical values in horizontal installation position

The meter does not require any upstream or downstream straight length (U0/D0).

Typical error curve Q<sub>3</sub> 2,5 R80H



Typical pressure loss graph



# Single-Jet Dry Valve Meter Measuring Head MODULARIS

## ETK-VAX, ETW-VAX

### APPROVALS / CERTIFICATES / STANDARDS

- EU-Type Examination Certificate according to 2014/32/EU (MID)
- OIML R49
- EN 14154
- KTW-BWGL / W270 (D)

### ADDITIONAL OPTIONS

- Individual labelling of totalizer and/or protection cover (on customer request)
- Protection cover in blue (cold water) or red (warm water) → Fig. ①
- Transparent cover with viewing window for litre pointer → Fig. ②
- Individual customer serial number (max. 14 figures)



Fig. ①



Fig. ②

### VARIANTS



Fig. ETW-VAX ALL (warm water)