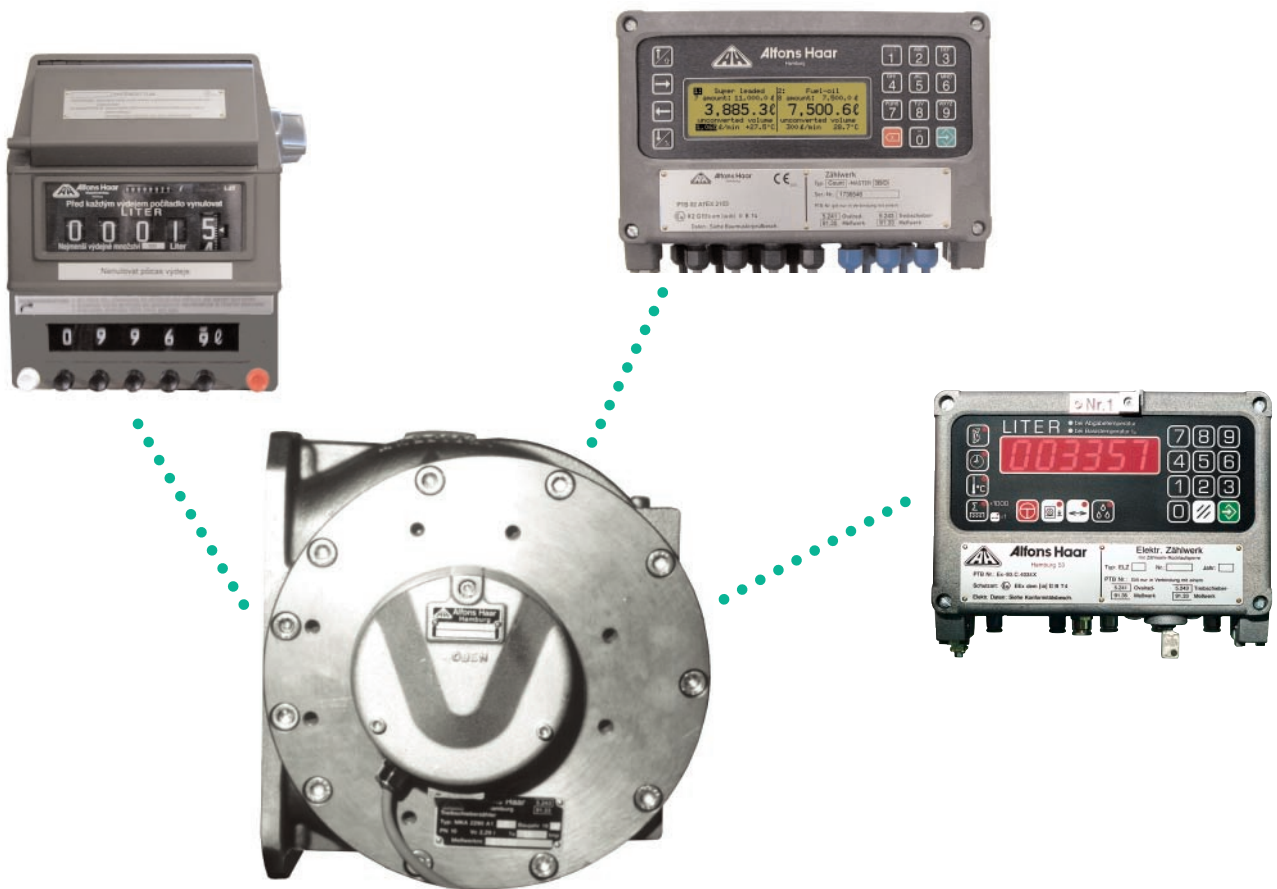


MKA ... Vane meters



Vane meters for measuring industrial liquids

MKA 800 ..., MKA 2290 ..., MKA 3350 ...



- extremely smooth start-up behaviour
- low pressure loss
- widely unaffected by foreign particles in the product to be measured
- long service life
- low noise emission
- favourable dimensions
- highly precise measurements

MKA ... Vane meters



Alfons Haar

GENERAL

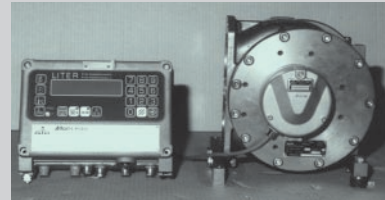
Vane meters are used to measure the volume of liquids.

The **Alfons Haar** vane meters feature less pressure losses and a low overall weight.

All vane meters have been assigned the required German and EC design approvals:

German design approval: No. 1.32.8-5.243-HAM 91.33

EC design approval: No. 1.32-96.067



Meter with electronic counter

CONSTRUCTION FEATURES

- low start-up torque and extremely little pressure losses of the MKA ... allow **high discharge rates to be reached**
- the light-weight, hard and wear-proof vane material with excellent operating behaviour results in an almost constant error curve over an **extremely long service life**
- **low noise emission** due to the low vane weight and optimum housing curve
- **uniform acceleration of the vanes** reduces wear and operating noises
- the axial guidance of the rotor makes the counter **almost insusceptible to foreign particles**
- **side lids coated with Teflon (ChemCoat)** reduce the rotational friction and the susceptibility to foreign particles
- the reinforced cover and the cover flange with reduced diameter ensure that the **measuring accuracy remains unaffected by the pressure**
- state-of-the-art material combination for **extra-long service life**
- **the inlet and outlet areas** of the **MKA 3350** measuring cell, basically designed for gravity discharge purposes, have also been **optimised**
- the **liquid** only flows through the measuring cells **by an angle of approx. 200°**

AREAS OF APPLICATION

For low- and high-viscosity mineral oil products.

TECHNICAL DATA AND CONFIGURATIONS

The measuring cells are available as left-hand or right-hand variants, with and without impulse transmitter.

Temperature range for the product to be measured: - 10°C to + 50°C

Ambient temperature range: - 25°C to + 55°C

Maximum permissible service pressure: 10 bar

MKA 800 A1... / B1...

Rated diameter DN 65
Measuring cell volume 0.80 l
Smallest volume to be measured 50 or 100 l
Flow rate 50 to 800 l/min
Weight approx. 13 kg
Housing material Aluminium cast

MKA 2290 A1...

Rated diameter DN 80
Measuring cell volume 2.29 l
Smallest volume to be measured 100 or 200 l
Flow rate 80 to 2000 l/min
Weight approx. 33 kg
Housing material Nickel cast

MKA 3350 A1...

Rated diameter DN 100
Measuring cell volume 3.35 l
Smallest volume to be measured 100 or 200 l
Flow rate 100 to 3000 l/min
Weight approx. 31 kg
Housing material Aluminium cast

For dimensions and exact technical details please refer to the data sheets.