

KRAL Volumeter® OMP.

New values for fuel consumption measurement.

High accuracy.

Because of the precision measurement chamber, extremely accurate measurements of 0,1% are possible. The turn-down ratio is 150:1.

Robust and precise.

The rigid casing protects precisely manufactured spindles. That is why the OMP offers both robustness and precision.

Fast response measurement.

The fast response spindles follow any rapid fluctuations in the flow. Every drop counts.

No flow conditioning.

Neither up- nor downstream flow conditioners are required. Pipe elbows and T-pieces don't influence the measurement accuracy.

Minimal pressure loss.

Because of the high quality ball bearings, friction and pressure loss are low.

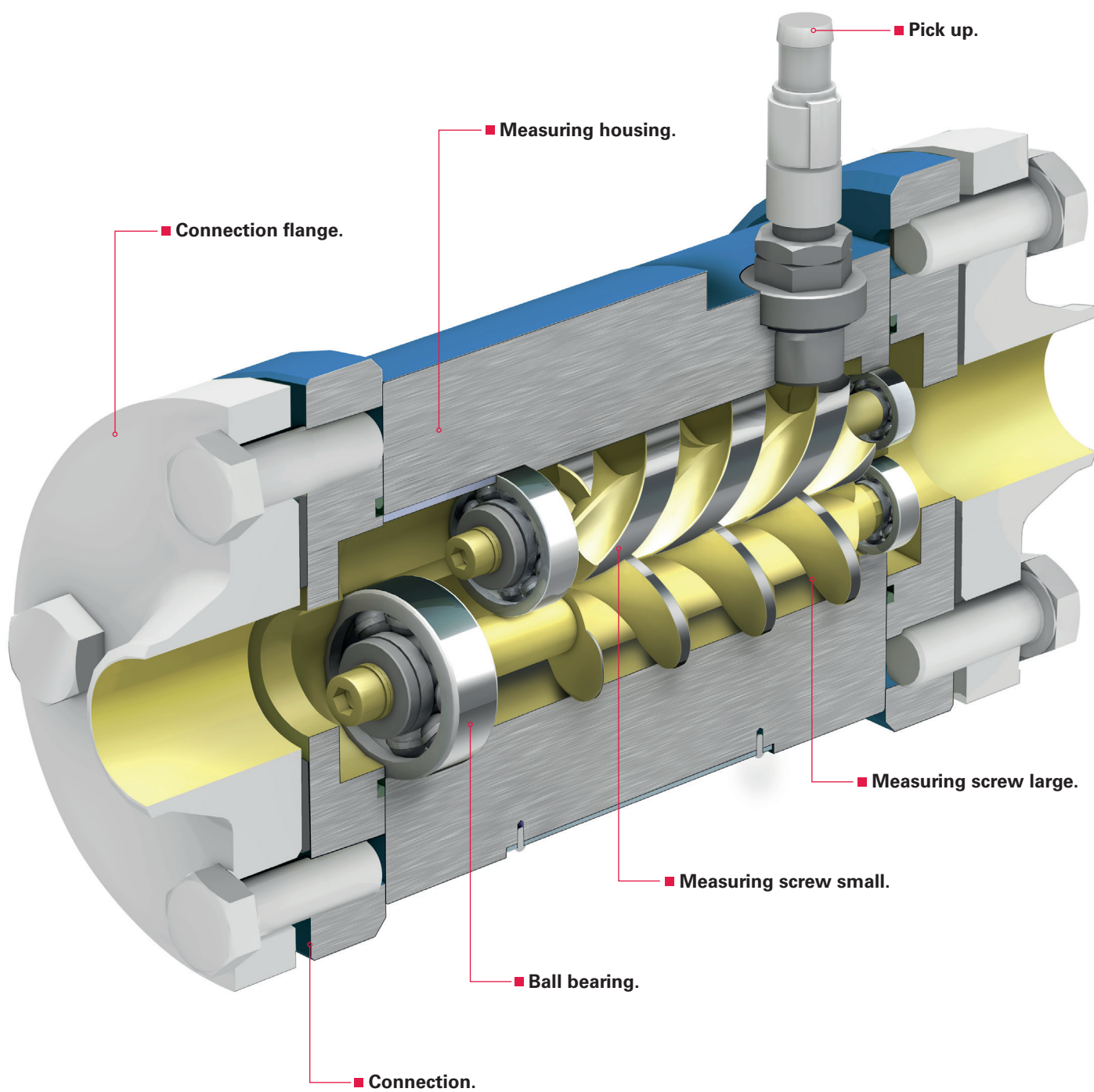
Improved retrofit.

Economical retrofit for other low precision flowmeters.

OEM.

OEM pricing available.

Flow Measurement



Technical Data.

OMP Series.		OMP 20	OMP 32	OMP 52
Flow				
Q_{max}	l/min	45	150	525
Q_{nom}	l/min	30	100	350
Q_{min}	l/min	0,3	1	3,5
Pressure				
p_{max}	bar	40	40	40
Temperature				
t_{min} to t_{max}	°C	-20 to +125	-20 to +125	-20 to +125
Viscosity				
v_{min} to v_{max}	mm ² /s	1 to 1x10 ⁶	1 to 1x10 ⁶	1 to 1x10 ⁶
K-Factor				
	K1 [P/l]	321	78	17,33
Frequency				
	f1 to Q_{nom} Hz	161	130	104

Clear advantages:

- Customized for fuel consumption measurement application including booster module and burner/boiler.
- Flow range from 0,3 to 525 l/min.
- Max. operating temperature 125 °C.
- Max. design pressure 40 bar.
- Accuracy of ±0,1% within the range 1:10.
- PNP or NAMUR output.
- Standard with hybrid bearings for HFO (heavy fuel oil) application – robust and long life.
