OMP Series.

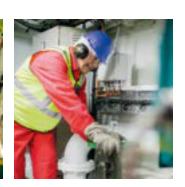
Robust solution for diesel oil and heavy oil.

Affordable device, for maritime applications and more. The extreme robustness is achieved by the spheroidal graphite ments with a precision rate of 0.1 % can be achieved. Pipe fits that OMP offers. bends and T-sections have no influence on the measurement precision.

The OMP series flowmeters are designed specifically for fuel iron housing, which provides optimal protection for the precisely consumption measurement for marine as well as others, and manufactured, fast measuring screws. KRAL measurement decan be used in booster modules and burners. Another perfect vices run with low friction and minimal pressure loss. Long licombination of precision and robustness: Due to the precise fespan, resistance to pulsations in the media, and efficiency measurement chamber volume, a broad range of measure- across the entire product life cycle are just a few of the bene-

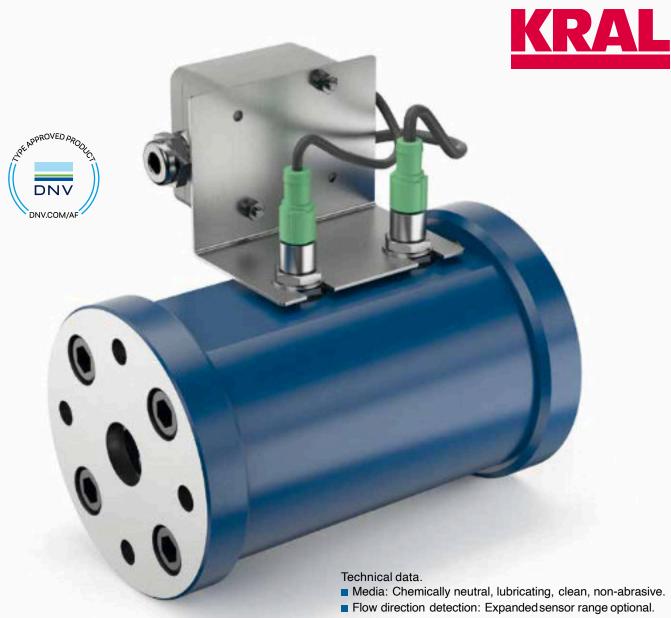






Marine. Fuel consumption measurement for motors, generators, booster modules, boiler, burners.

Technical data.	OMP-013.	OMP-020.	OMP-032.	OMP-052.
Nominal diameter. DN[mm] DN [inch]	15 ½	20 34	25/32 1	40 1 ½
Total length with DINflange. [mm]	115	125	180/190	240
Weight with DIN flange. [kg]	4	5	11/13	19
Flow rate I/h. $\begin{aligned} \mathbf{Q}_{\text{max}} \\ \mathbf{Q}_{\text{nom}} \\ \mathbf{Q}_{\text{min}} \end{aligned}$	900 600 6	2,700 1,800 18	9,000 6,000 60	31,500 21,000 210
Flow rate I/min.	15 10 0.1	45 30 0.3	150 100 1.0	525 350 3.5
Max. pressure. [bar]	40	40	40	40
Temperature. [°C]	-20 to +200	-20 to +200	-20 to +200	-20 to +200
Viscosity. [mm²/s]	1 to 1x10 ⁶			
Precision of measurementvalue.	±0.1 %	±0.1 %	±0.1 %	±0.1 %
Repeatability.	±0.01 %	±0.01 %	±0.01 %	±0.01 %
K-factor. K [P/I]	1,214	321.0	78.0	17.73
Frequency. f at Q _{nom} [Hz]	202	161	130	104



Your benefits.

- Suitable for MDO, MGO, HFO and further types of oil.
- High precision.
- Very robust and long lifespan.
- Low friction and minimal loss of pressure.
- Stabilization zones unnecessary.
- Easy installation.
- Affordable solution for harsh industrial conditions.

- Temperature measurement: Additional sensor optional.
- Signal: PNP or Namur.
- Signal detection: Via the screw.
- Process fittings: DIN, ANSI, thread, further connections upon request.

Materials.

- Housing: Spheroidal graphite iron.
- Screws: Nitrided steel.
- Bearings: Steel or hybrid ball bearings.
- Sealing: FKM, other seal materials upon request.

Sensor.	BEG 45C with BEV 13.	BEG 47G.	BEG 56A.
Application.	High pressures, wide temperature range.	Ex-range.	Standard.
K-factor.	K1.	K1.	K1.
Signal.	PNP.	Namur.	PNP.
Temperature. [°C]	-40 to +250.	-25 to +100.	-40 to +125.
Max. pressure. [bar]	420	40	40

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