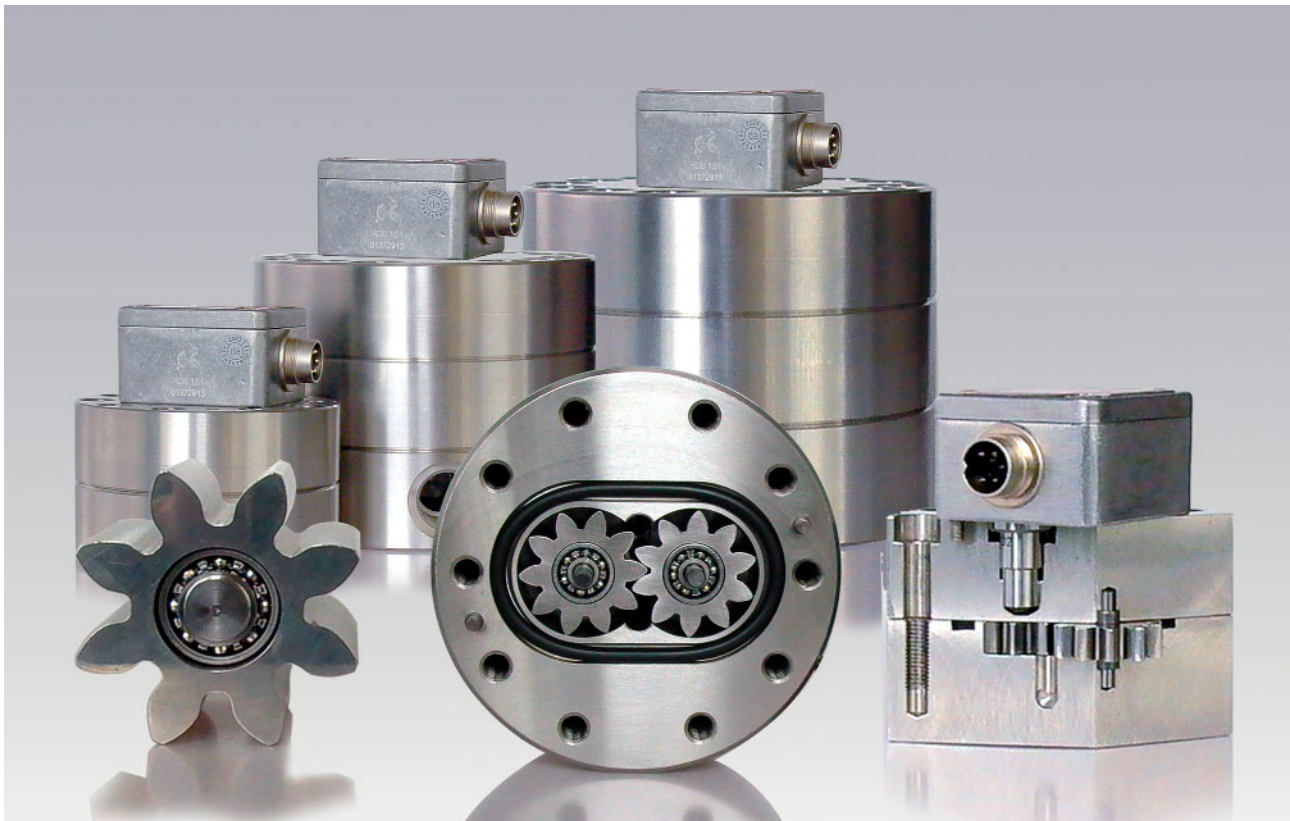




ZHA ** KL.W.* Series Aluminium Gear Flow Meters



Technical Data

ZHA type	Measuring range ltr./min			K-factor pulses/ltr.	Pressure bar	Weight kg
ZHA 01/2 KL.W.*	0.02	to	3	28,000	350	0.30
ZHA 02 KL.W.*	0.1	to	7	8,400	350	0.38
ZHA 03 KL.W.*	0.5	to	25	3,480	350	0.50
ZHA 04 KL.W.*	0.5	to	70	950	350	2.25
ZHA 05 KL.W.*	5	to	150	268	350	12.7
ZHA 06 KL.W.*	20	to	500	106	350	16.8

Materials

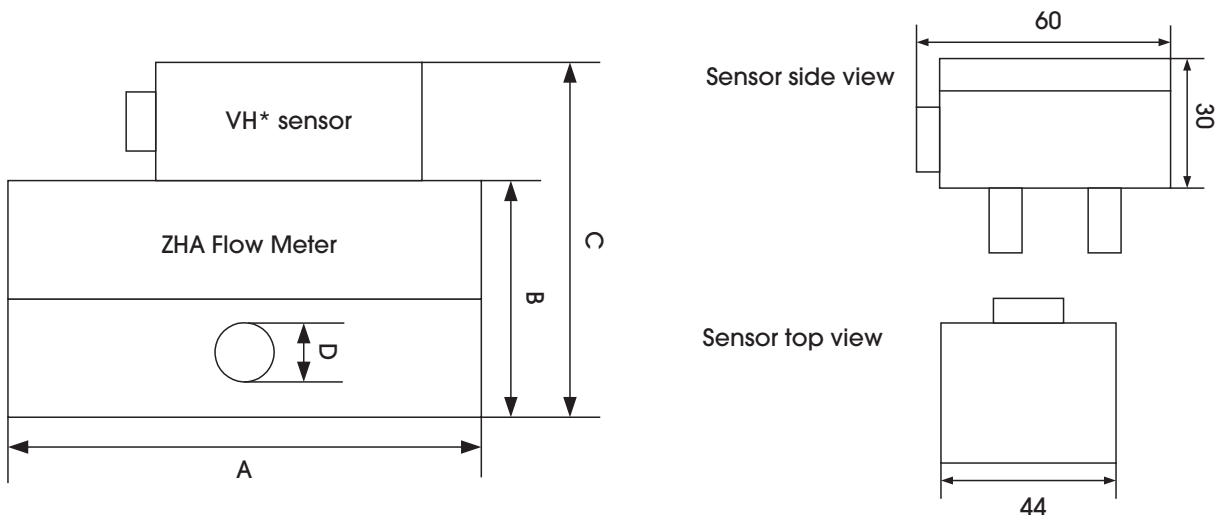
Housing:high-strength aluminium AlCuMgPb

Gears:stainless steel as per DIN 1.4122/AISI 303 or 1.4460/AISI 329 (special)

Shafts, bearings:stainless steel

O-ring:viton or teflon

Dimensional Drawings (mm)



ZHA type	Ø A	B	C	D
ZHA 01/2 KL.W.*	70	50.0	80.0	G 1/4"
ZHA 02 KL.W.*	84.4	55.0	85.0	G 1/4"
ZHA 03 KL.W.*	84.4	67.0	97.0	G 1/4"
ZHA 04 KL.W.*	125.0	96.0	126.0	G 1/2"
ZHA 05 KL.W.*	175.0	133.0	163.0	G 1"
ZHA 06 KL.W.*	188.0	180.0	210.0	G 1"

Sensors

	VHE Single Hall Effect Sensor	VHD Dual Hall Effect Sensor
Supply Voltage:	12 to 30 VDC, max. 10 mA	12 to 30 VDC, max. 10 mA
Frequency range:	1 up to 3,000 Hz	1 up to 3,000 Hz
Output:	Square wave signal	Square wave signal double measuring frequency and reverse-flow detection
Output impedance:	approx. 470 Ω	approx. 470 Ω
Temperature range:	0 up to +70°C	0 up to +70°C
Electrical connection:	5-pin plug 1 = Supply voltage 2 = Output signal 3 = 0V/GND 4 = nc 5 = nc	5-pin plug 1 = Supply voltage 2 = Output signal 1 3 = 0V/GND 4 = Output signal 2 5 = nc