

OGF SERIES Manual



OVERVIEW

Operation

The OGF Series Gear Operated Flow Meter is ideal for flow rate measurement of highly viscous media. The OGF Series incorporates an Epicycloid Gear Design and delivers very precise flow measurement values

Application

- Petroleum
- Oil
- Chemicals
- Grease
- Fuels
- Ink
- Pastes

Features

- Simple Installation
- High Performance
- Easy Installation
- Long Term Stability
- Compact Design



OPERATING DATA

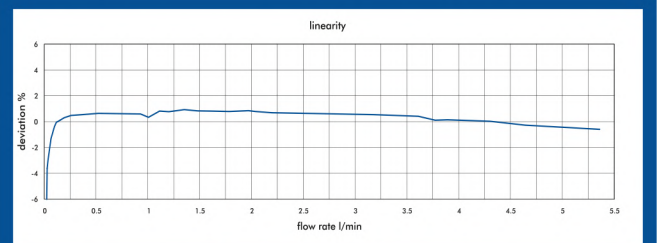
Working Pressure	150 Psi
Temperature Limit	14°F - 150°F
Accuracy	±1.0%
Repeatability	±0.25%
Mounting Position	Horizontal
Nozzle Diameter	7.0 mm

MATERIALS

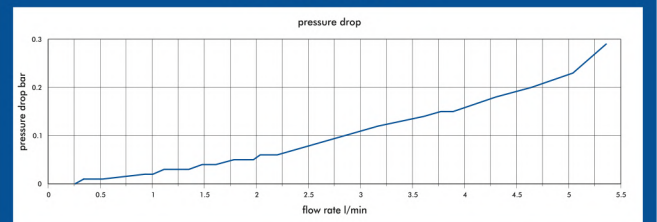
Housing	PBT 35% Glass Filled
Bearing Pin	316SS
O-ring	FPM (Viton) STD EPDM
Turbine	PEEK
Magnets	NdFeB (Neodym) (Non-Wetted)

MEASURING RANGES

Flow Rate	0.06 - 16 l/min
Viscosity	5 - 8000 cP max.



Measurement Curve

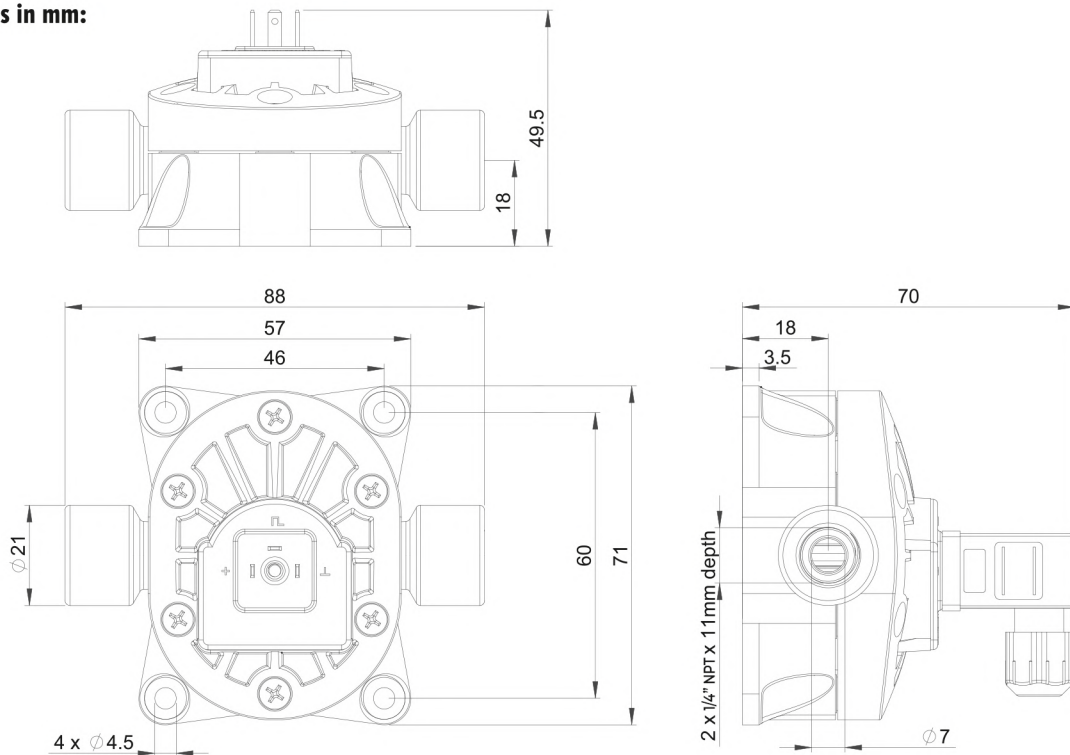


Medium for these linearity and pressure loss curves: Cola syrup (approx. 24 centistokes).

Nozzle size	Pulses/litre	g/pulse	min. flow rate in [litres/min] at linear start	max. flow rate in [litres/min]	Pressure loss in [Psi]
Ø 7.00 mm	462	2.1	0.06	5.35	4.20

TECHNICAL DRAWINGS AND DIMENSIONS

Dimensions in mm:



ELECTRICAL DATA

Power Supply	9-24 VDC
Consumption	<8 mA
Signal Connection	NPN Frequency Pulse
Signal Load	Max. 20 mA
Signal	Square-Wave Output

WIRING

