



MECHANICAL OVAL GEAR FLOW METER

Accuracy class : Class 0.5
 Class 0.2

Medium Temperature :
 -20 to 100 deg added with
 high – temperature
 radiating cylinder , the
 temperature can reach
 100 – 280 deg celcius.

Anti – explosion class of
 remote

Display size : Ex1AIICT5 ,
 DIIDT4

Optional output :
 4 – 20Ma
 Pulse
 RS – 485

MATERIAL OF CONSTRUCTION:

Rotor and casing: cast
 iron / cast steel / stainless
 steel / aluminium

O-ring:
 NBR/VITON/SILICON

Shaft: Stainless Steel

Process connection:
 standard flange



Working principle: oval gear positive displacement

Accuracy (standard installation position) : 1.0% FSD

Repeatability: 0.3%

Maximum working pressure: 2 MPa = 20 bar

Fluid & Ambient temperature: -40 to 100°C

Viscosity : 1000 cps maximum

Line Size	Flow rate
DN15	0.13 to 1.5 m ³ /h
DN20	0.3 to 3.0 m ³ /h
DN25	1 to 6 m ³ /h
DN40	1.5 to 15 m ³ /h
DN50	2.4 to 24 m ³ /h
DN80	8 to 80 m ³ /h
DN100	10 to 100 m ³ /h
DN150	19 to 190 m ³ /h
DN200	34 TO 340 m ³ /h

PRODUCT FEATURES:

Mechanical oval gear flow meter is best for measuring and calculating oil and diesel from tanker loading and unloading time,

mechanical oil flow meter available with mechanical counter + pulse output

mechanical oil flow meter not require any external power source

PRODUCT APPLICATION:

**Fuel
 Oil
 High Viscosity Liquid**



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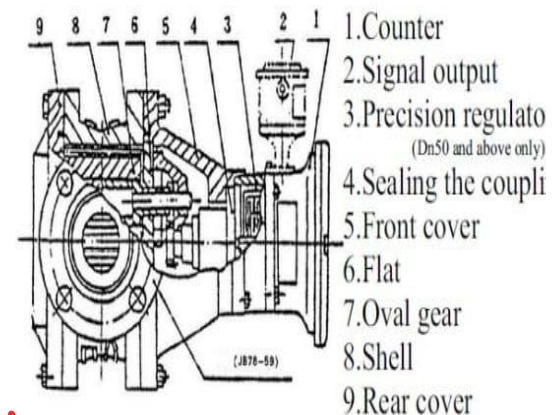
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- Cast iron oval gear flow meter is widely used in the metering of various oil products and liquids having no corrosion to the cast iron material .
- Cast steel oval gear flow meter is used for high pressure low corrosion liquid media .
- Cast aluminium oval gear flow meter is widely used in the metering of low viscosity , low corrosion liquid media and its rotor is made up of aluminium alloy.
- Stainless steel oval gear flow meter are widely used in the metering of liquid media with high corrosion such as acid, alkali, salt and organic compounds and some other liquid such as : milk , alcohol , chemical , and pharmaceutical drugs .
- Ordering code : NI – MOGM-DN50
(mechanical oval gear flow meter with line size of 50 mm)