

SKU IM012M-01

MACNAUGHT IM012M 1/2" Mechanical Oil Meter

A high pressure, positive displacement oil meter with a mechanical register, measuring 1 to 30 L/min. Designed to dispense lubricating oils, diesel and kerosene in in-line and end of line applications.



1 to 30 L/min

Flow range

±1%

Accuracy, tested with lubrication oil at 25 °C

1/2" BSP (F)

Inlet and outlet ports

Key features

- Oval gear meter with a mechanical register
- 4 digit resettable batch and 7 digit accumulative totaliser
- Rated to 6,900 kPa (1,000 psi) working pressure
- Suits in-line and end of line applications
- Protective shroud fitted
- Rotor set IM181s and register IM168As available as spares



Technical data

SPECIFICATION	VALUE
Order codes	IM012M-01
Flow range	1 to 30 L/min (0.26 to 8 US gal/min)
Accuracy	±1%, tested with lubrication oil at 25 °C
Max working pressure	6,900 kPa (1,000 psi, 69 bar)
Connections	1/2" BSP (F) inlet and outlet
Fluids	Oils up to SAE140, automatic transmission fluid, engine, gear and hydraulic oil, coolant, diesel, kerosene
Register	Mechanical, 4 digit resettable batch, 7 digit accumulative
Meter type	Oval gear, positive displacement
Wetted materials	Acetal, aluminium, nitrile (NBR), mild steel
Operating temperature	-10 to +55 °C
Weight	490 g (approx)
Spares	IM168As register, IM181s rotor set, IM166Ls litre face plate

Installation and use

Fit a filter before the meter inlet on in-line installs, open the valve slowly so the rotors do not over spin, and do not over tighten connections.

