

positive displacement flow meters

M40 – 1 1/2" metres with mechanical register

The M40 is the medium to large capacity meter in the M-SERIES™ range. It has the ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.

Features

- Compact size.
- Easy to read and operate mechanical register.
- Flexibility of installation options (e.g. can be mounted horizontally or vertically; no flow conditioning required).
- Low pressure drop allows for economical pump selection or gravity flow applications.
- Meter construction enables fast and easy on-site servicing without removal from application.
- Meter accuracy is verified by a factory calibration check after which an individual metrology report is issued.
- Meter design minimises the number of wearable and replaceable parts and extends product life.
- An Option of 100 Pulse per unit of measure output is available for the Analogue version.

Specifications

Model	M40
Meter Type	Meter With Mechanical Register
Meter Body Material	Aluminium / 316 Stainless Steel / Bronze
Wetted Components:	
Rotor Material	PPS / 316 Stainless Steel
Shafts	316 Stainless Steel
O'ring	NBR (Nitrile)
Flow Rate Ranges (Litres Per Minute/Us Gallons Per Minute)	
Above 5 cPs	10 to 250/2.6 to 66
Below 5 cPs	235/4 to 62
Accuracy - Within (Of Reading)	+/- 1% / Analogue Register +/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model)	1000 Centipoise (> 1000 Hi Vis Rotors)
Maximum Operating Pressure	3500 kpa/500psi/35bar or flange rule where fitted (*PEI 1800kpa/260psi/18bar)
Max. Operating Temperature	80°C / 176°F, High Temp Option 120°C / 248°F
Recommended Mesh Strainer Size	60 Mesh



M40SRM-X



Mechanical Register



MH450 Industrial Register



Analogue Mechanical Register

Port Size

To order flowmeter you must replace 'X' with the relevant number. This number will determine the following specifications:

Port Size:	Calibrated and Display In:
1 = 1 1/2" BSP (F) ports	Litres
2 = 1 1/2" NPT (F) ports	US Gallons
3 = 1 1/2" ANSI 150lb Flange	Litres
4 = 1 1/2" ANSI 150lb Flange	US Gallons
5 = 40mm DIN 16 Flange	Litres
9 = 1 1/2" ANSI 600lb Flange	Litres
13=40mm JIS 10K Flange	Litres

PPS = Polyphenylene Sulfide Resins

Note: See relevant "Flange Technical Information" on page 49.

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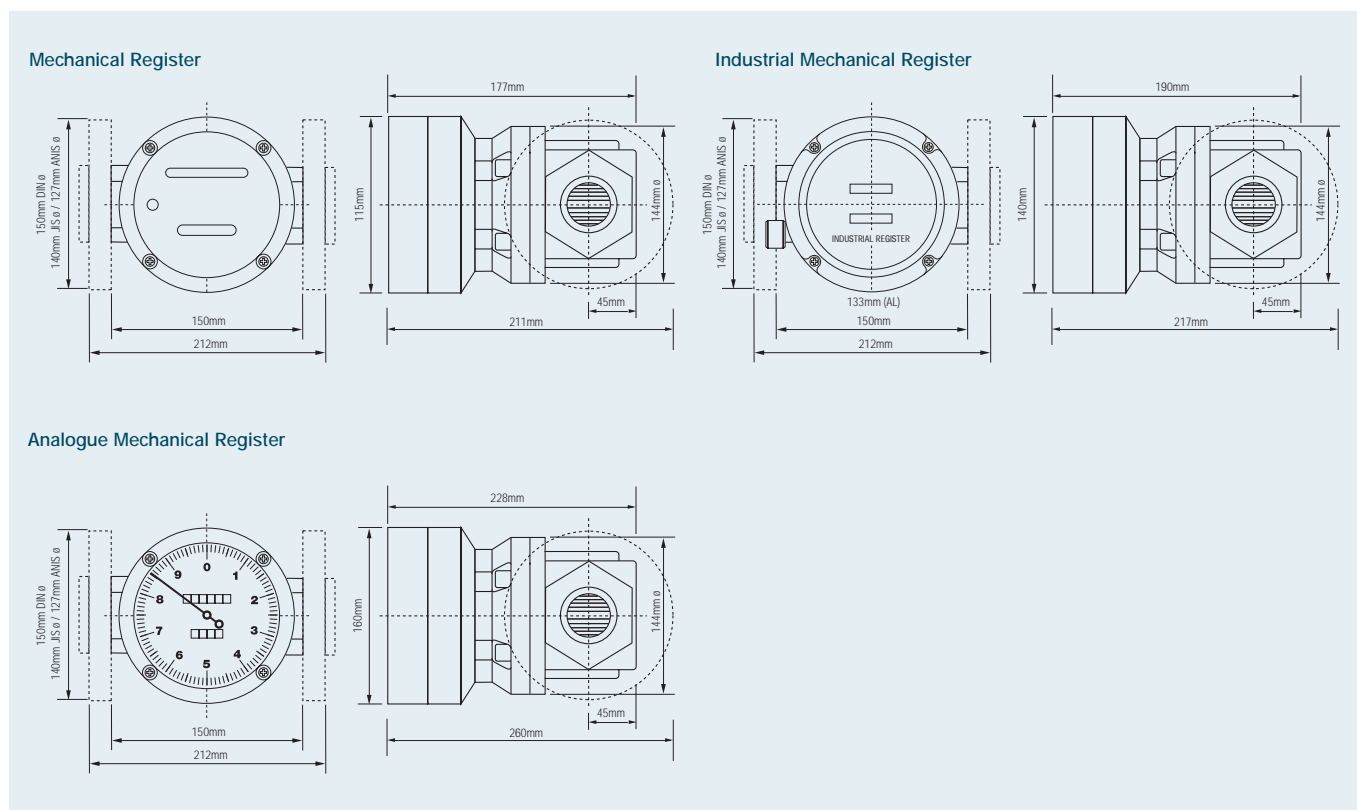
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Options & Accessories

M40 - 1 1/2" METERS WITH MECHANICAL REGISTER	M40ARM-X	M40ASM-X	M40SRM-X	M40SSM-X
FKM O-Ring	○	○	○	○
FEP O-Ring	○	○	○	○
EPDM O-Ring	○	○	○	○
High Temp Rotors	○	●	○	●
High Viscosity Rotors	○	○	○	○
Hall Effect Sensor	-	-	-	-
Reed Switch	-	-	-	-
Solvent Kit	○	●	●	●
Hastalloy C Shafts	-	-	-	-
Analogue Register	○	○	○	○
MH450 Register	○	○	○	○
Pulsar Kit P500	+	+	+	+
Remote Mounted LC Display	-	-	-	-
Heating Jacket	+	+	+	+
Protection Boot	+	+	+	+
4-20ma Module	-	-	-	-

● Standard ○ Optional - Not Available + Accessory

Dimensions



Macnaught Pty Ltd reserves the right to modify or alter product materials, dimensions, design and construction, when necessary, to improve the performance of our products. Please check with your local distributor or Macnaught to confirm current specifications of our products.