

positive displacement flow meters

M80 – 3” meters with mechanical display

The M80 is the 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 display.
- 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 10/100 Pulse per unit of measure output is available.



M80AAMA-X



Analogue Mechanical Display

Specifications

Model	M80
Meter Type	Meter With Mechanical Display
Meter Body Material	Aluminium / Bronze
Wetted Components:	
Rotor Material	Aluminium
Shafts	316 Stainless Steel
O'ring	NBR (Nitrile)
Flow Rate Ranges (Litres Per Minute/US Gallons Per Minute)	
Above 5 Cps	20 To 733 / 5 To 194
Below 5 Cps	66 To 616 / 17 To 163
Accuracy- Within (Of Reading)	+/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model)	1000 Centipoise (> 1000 Hi Vis Rotors Available)
Maximum Operating Pressure	1200kpa/175psi/12bar
Max. Operating Temperature	80°C / 176°F
Recommended Mesh Strainer Size	40 Mesh

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 = 3" BSP (F) Ports	Litres
2 = 3" NPT (F) Ports	US Gallons
3 = 3" ANSI 150lb Flange	Litres
4 = 3" ANSI 150lb Flange	US Gallons
5 = 80mm DIN 16 Flange	Litres
13 = 80mm JIS 10K Flange	Litres

Note: See relevant "Flange Technical Information"

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M80 – 3” meters with mechanical register

Options & Accessories

M80 - 3" METERS WITH MECHANICAL DISPLAY	M80AAMA-X	M80BAMA-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	●	●
Pulser Kit P500	+	+
Remote Mounted LCDisplay	-	-
Heating Jacket	-	-
4-20ma Module	-	-

● Standard ○ Optional - Not Available + Accessory

Dimensions

Mechanical Register

