

positive displacement flow meters

M100 – 4" meters with mechanical register

Suitable for fuels, lubricants and non-corrosive fluids to a viscosity of 1000cPs, the M100 is a 100mm (4"), high flow, oval gear flowmeter and is capable of measuring fluid flows of up to 1200LPM. The M100 is accurate to +/- 0.5% and provides exceptional levels of reliability and durability.

The M100 is available with Veeder-Root preset register, veeder root reset register, analogue mechanical register.

Features

- Easy to read and operate, resettable mechanical register options available
- Flexibility of installation options (eg: 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
- Available with 4" ANSI 150lb, JIS10K and DIN 16 flanges (modular construction) or 3" screwd BSP (F) / NPT (F) / ANSI Flange
- An option of 10 pulse per unit of measurable output available (mechanical only) P500



M100AAMA-X



Analogue Mechanical Display

Specifications

Model	M100
Meter Type	Meter with mechanical display
Meter Body Material	Aluminium / Bronze / Stainless Steel
Wetted Components:	
Rotor Material	Aluminium / Stainless Steel
Shafts	316 Stainless Steel
O'ring	NBR (Nitrile)
Flow Rate Ranges (Litres Per Minute/US Gallons Per Minute)	
Above 5 cPs	120 To 1200 / 32 - 317 (1000 cPs Hi Vis Rotors Available)
Below 5 cPs	200 To 1200 / 53 - 317
Accuracy- Within (Of Reading)	+/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model)	1000 cPs
Maximum Operating Pressure	1200kpa/175psi/12bar
Pulser Type	With P500 Option Litre/US Gallons 10/38
Max. Operating Temperature	AL 80°C/176°F St St 120°C/248°F
Recommended Mesh Strainer Size	40

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 = 4" BSP (F) Ports	Litres
2 = 4" NPT (F) Ports	US Gallons
3 = 4" ANSI 150lb Flange	Litres
4 = 4" ANSI 150lb Flange	US Gallons
5 = 100mm DIN 16 Flange	Litres
13 = 100mm JIS 10K Flange	Litres
14 = ANSI 150lb Flange	Litres
15 = ANSI 150lb Flange	US Gallons
16 = BSP (F)	Litre
17 = NPT (F)	US Gallons

Note: See relevant "Flange Technical Information"

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M100 - 4" METERS WITH MECHANICAL REGISTER	M100AAMA-X	M100BAMA-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 LC Display	-	-
Heating Jacket	-	-
4-20ma Module	-	-

● Standard ○ Optional - Not Available + Accessory

Dimensions

Mechanical Register

