

positive displacement flow meters

WM40 – 1 1/2" pulse meters M40 – 1 1/2" pulse and LC display meters

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.
- Two independent pulse units which can be linked to allow doubling of the pulse output.
- 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 design minimises the number of wearable and replaceable parts and extends product life.
- Meter accuracy is verified by a factory calibration check after which an individual metrology report is issued.
- Both LC Displays meets European CE directive for EMC.
- Deluxe/Standard Displays and Pulse Version have IP65/NEMA9 protection.
- Intrinsically safe LC Deluxe & Standard Displays. Certificate of conformity number PTB Nr. Ex-93.C.4033x & KEMA O5ATEX1168X
- Pulse Versions have Flameproof Certification. AUS Ex2377x



M40ARP-X



Standard LC Display



Deluxe LC Display



MR100

Specifications

Model	M40/WM40
Meter Type	Pulse / Standard LC Display / Deluxe LC Display
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	15 To 235 / 4 To 62
Accuracy- Within (Of Reading)	+/- 0.5%
Repeatability	0.03%
Maximum Viscosity (Of Standard Model)	1000 Centipoise (> 1000 Hi Vis Rotors)
Maximum Operating Pressure	5500 kpa/800psi/55bar or flange rule where fitted (*PEI 1800kpa/260psi/18bar)
Pulsers Type	Hall Effect Or Reed Switch Or Combination HE /RS
Pulses Per Litre/Us Gallon	14.5 / 54.9
Max. Operating Temperature	80°C / 176°F, High Temp Option 120°C / 248°F
Recommended Mesh Strainer Size	60 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:	Electrical Conduit Connection:
1 = 1 1/2" BSP (F) ports	Litres	20mm (F)
2 = 1 1/2" NPT (F) ports	US Gallons	1/2" NPT (F)
3 = 1 1/2" ANSI 150lb Flange	Litres	20mm (F)
4 = 1 1/2" ANSI 150lb Flange	US Gallons	1/2" NPT (F)
5 = 40mm DIN 16 Flange	Litres	20mm (F)
6 = 1 1/2" Triclover Flange	Litres	20mm(F)
7 = 1 1/2" Triclover Flange	US Gallons	1/2" NPT (F)
9 = 600LB ANSI Flange	Litre	20mm(F)
13=40mm JIS 10K flange	Litres	20mm(F)

PPS = Polyphenylene Sulfide Resins

Note: See relevant "Flange Technical Information" on page 45.

*European common market - pressure equipment directive requirements

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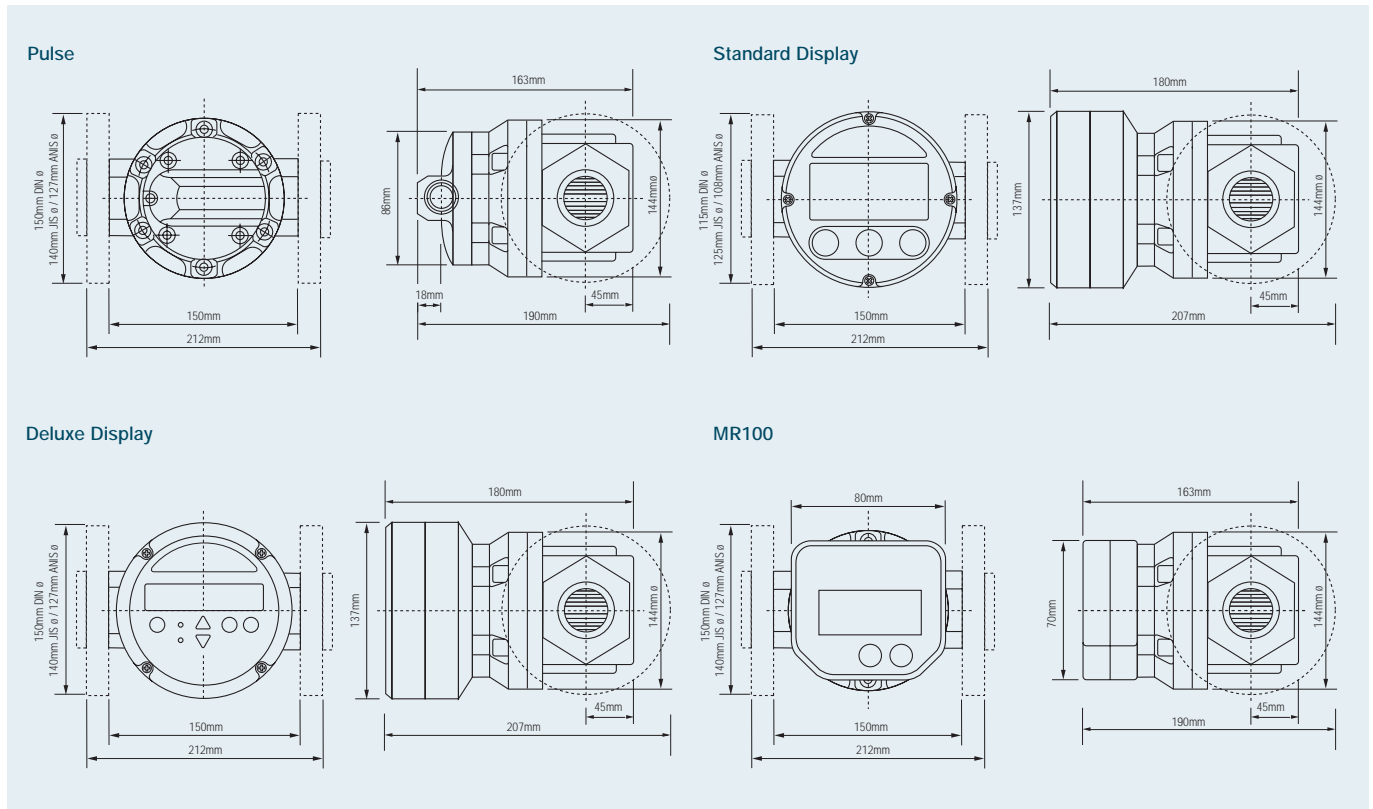
WM40 – 1 1/2" pulse meters M40 – 1 1/2" pulse and LC display meters

Options & Accessories

WM40 - 1 1/2" PULSE & LC DISPLAY METERS M40 - 1 1/2" PULSE & LC DISPLAY METERS	WM40ARX-X M40ARX-X	WM40ASX-X M40ASX-X	WM40BRX-X M40BRX-X	WM40SRX-X M40SRX-X	WM40SSX-X M40SSX-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	-	-	-	-	-
Protective Boot Deluxe LCD	+	+	+	+	+
Protective Boot Standard Display	+	+	+	+	+
Remote Mounted LC Display	+	+	+	+	+
Heating Jacket	+	+	+	+	+
4-20ma Module Meter & Remote Mount	+	+	+	+	+

● 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.