

PRODUCT DATA SHEET

M025-1S3 - 1" MECHANICAL FLOW METER WITH STANDARD MECHANICAL DISPLAY

The M Series 1" MECHANICAL FLOW METER are suitable for flows between 6 – 120 L/min (1.59 - 31.70 GPM), providing highly accurate flow measurement performance. The M Series offers $\pm 1.00\%$ accuracy of true reading in a compact footprint, requiring no flow conditioning and with high pressure and temperature capabilities.

Key features include:

- Cast Stainless Steel construction
- FEP Encapsulated seals
- Maximum flow rate 120 L/min / 31.70 GPM
- Accuracy of $\pm 1.00\%$ of reading
- Exceptional repeatability of $\pm 0.03\%$
- Temperature up to 80 °C / 176 °F
- 1 point factory calibration as standard, with additional points upon request

SPECIFICATIONS



M025-1S3

		M025-1S3		
Material of construction				
	Meter Body	Cast Stainless Steel		
	Rotor	PPS		
	Seals	FEP Encapsulated		
Design Specifications				
Process Connections		1" G Thread [w/ litresmech display]		
Technical Specifications		min	max	
	Flow rate			
	< 5cPr	10	100	L/min
		2.64	26.42	GPM
	> 5cP	6	120	L/min
		1.59	31.70	GPM
	Non lubricating fluids	-	120	L/min
		-	31.70	GPM
Operating Temperature Range**		-40	80	°C
		-40	176	°F
	Accuracy (±%)	1.00%		
	Repeatability (±%)	0.03%		
	Nominal K-Factor	- Pulses/Litre		
		- Pulses/Gallon		

OUTPUT TYPE



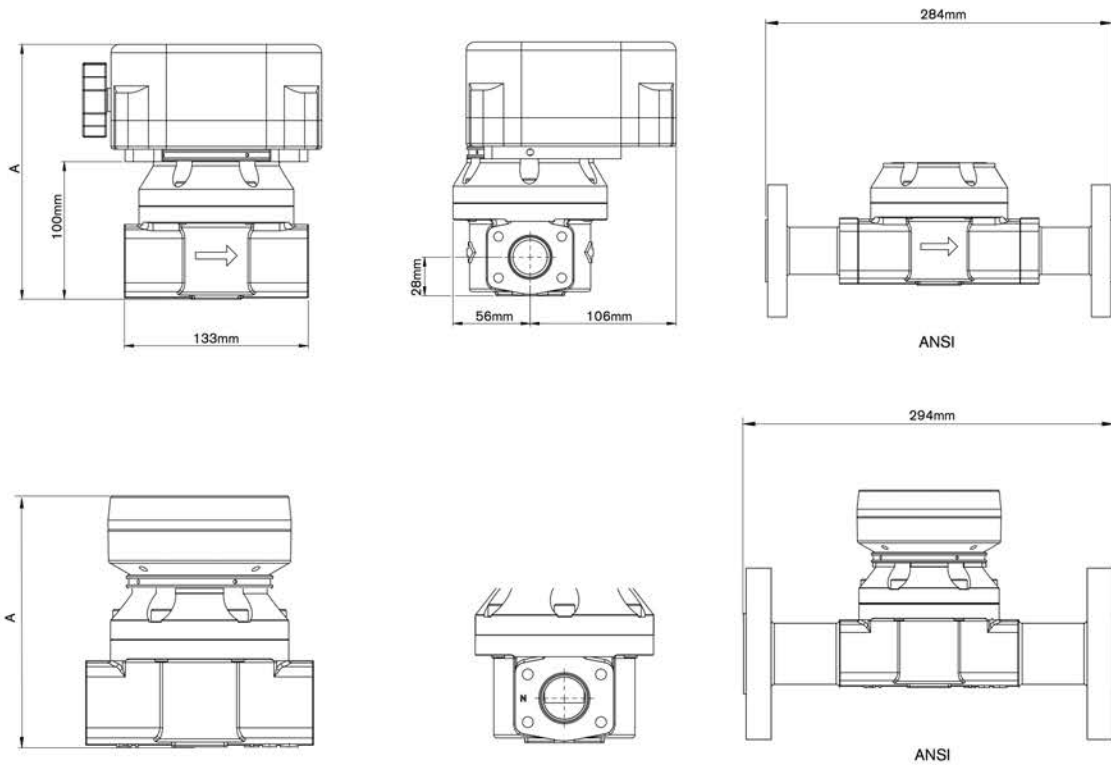
STANDARD MECHANICAL DISPLAY

Standard Mechanical	
Construction	Polypropylene
IP Rating	IP56
Temp	Min: - Max: - °C Min: - Max: - °F
EX Approvals	- Please refer to instruction manual and certification documentation for product appropriate certification information
Display	
Digit size (upper/lower)	5mm/5mm
Accumulated total	✓
Resettable total	✓
Preset total	✗
Flow rate	✗
Outputs	
4-20 mA (passive)	✗
Pulse/Transistor Output	✗
Flow Alarm	✗
Batch Control output	✗

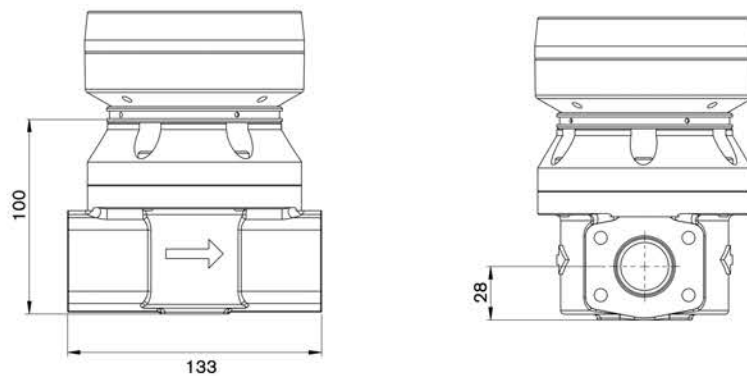


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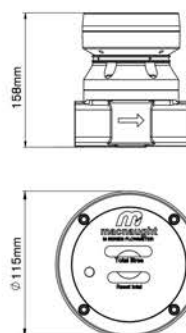


F025-1S3



DISPLAY HEIGHT - A

TYPE 3
MECHANICAL REGISTER - STANDARD



TYPE 4
MECHANICAL REGISTER - HEAVY DUTY

