

# PRODUCT DATA SHEET

## F025-1S4 - 1" MECHANICAL FLOW METER WITH HEAVY DUTY 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 Aluminium construction
- FKM (Viton) 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



F025-1S4

F025-1S4			
Material of construction	Meter Body	Cast Aluminium	
	Rotor	PPS	
	Seals	FKM (Viton)	
	Design Specifications	1" G Thread [w/ litresmech display]	
Technical Specifications	Process Connections	1" G Thread [w/ litresmech display]	
	Flow rate	min	max
		10	100
	< 5cPr	2.64	26.42
		6	120
	> 5cP	1.59	31.70
		-	120
	Non lubricating fluids	-	31.70
		-40	80
	Operating Temperature Range**	-40	176
		-	-
	Accuracy ( $\pm\%$ )	1.00%	
	Repeatability ( $\pm\%$ )	0.03%	
	Nominal K-Factor	- Pulses/Litre - Pulses/Gallon	

## OUTPUT TYPE



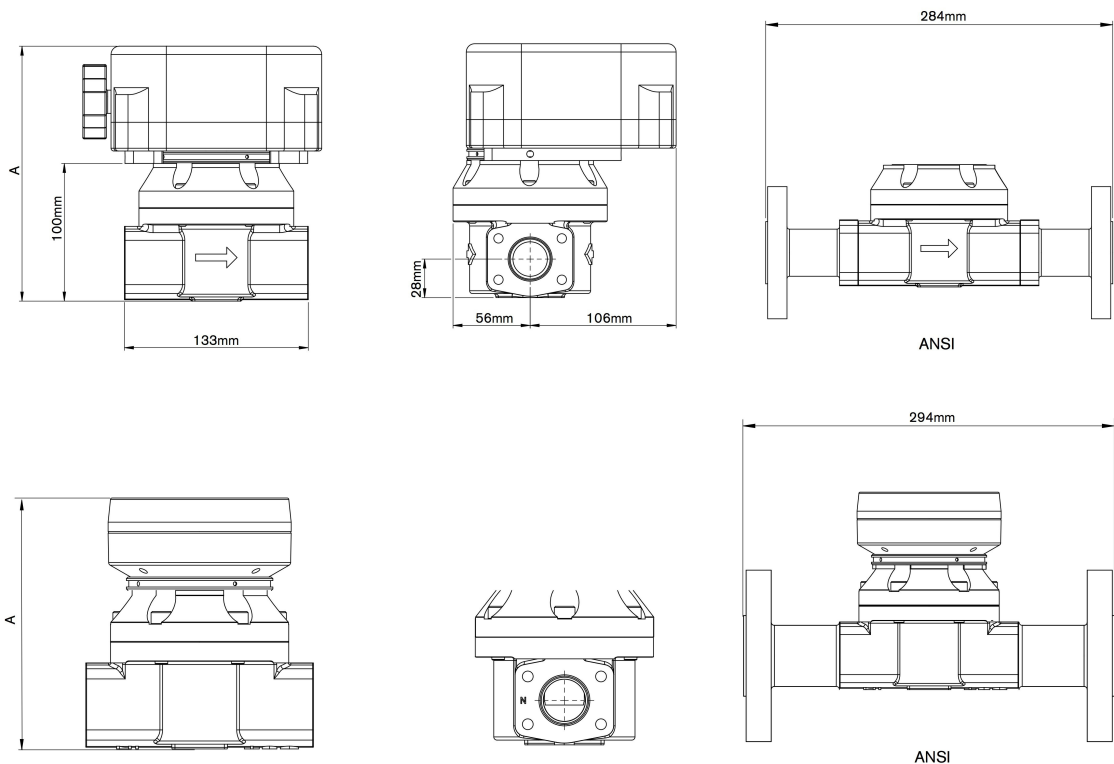
HEAVY DUTY MECHANICAL DISPLAY

Heavy Duty Mechanical	
Construction	Aluminium
IP Rating	IP67
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)	17mm/6mm
Accumulated total	✓
Resettable total	✓
Preset total	✗
Flow rate	✗
Outputs	
4-20 mA (passive)	✗
Pulse/Transistor Output	✗
Flow Alarm	✗
Batch Control output	✗

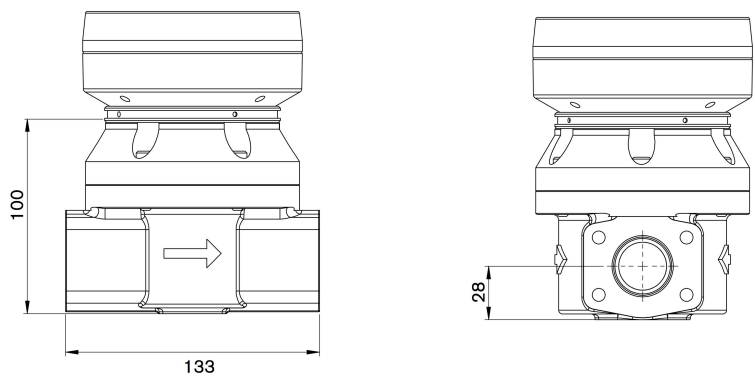


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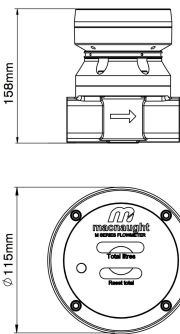


F025-1S3



DISPLAY HEIGHT - A

TYPE 3  
MECHANICAL REGISTER - STANDARD



TYPE 4  
MECHANICAL REGISTER - HEAVY DUTY

