PRODUCT DATA SHEET



F075-3V4 - 3" MECHANICAL FLOW METER WITH HEAVY DUTY MECHANICAL DISPLAY

The M Series 3" MECHANICAL FLOW METER are suitable for flows between 20 - 733 L/min (5.28 - 193.64 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 733 L/min / 193.64 GPM
- Accuracy of ±1.00% of reading
- Exceptional repeatability of ±0.03%
- Temperature up to 120 °C / 248 °F
- 1 point factory calibration as standard, with additional points upon request

SPECIFICATIONS



F075-3V4

	F075-3V4		
Material of construction			
Meter Body	Cast Aluminium		
Rotor	Aluminium (6061)		
Seals	FKM (Viton)		
Design Specifications			
Process Connections	3" NPT Thread [w/ litres mech display]		
Technical Specifications	min	max	
Flow rate < 5cPr > 5cP Non lubricating fluids Operating Temperature Range**	60 15.85 20 5.28 - - -40	600 158.50 733 193.64 733 193.64 120 248	L/min GPM L/min GPM L/min GPM °C
Accuracy (±%) Repeatability (±%) Nominal K-Factor	1.00% 0.03% - Pulses/Litre - Pulses/Gallo	n	

OUTPUT TYPE



HEAVY DUTY MECHANICAL DISPLAY

Temp 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) Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output Flow Alarm		Heavy Duty Mechanical	
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) Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output	Construction	Aluminium	
Min: - Max: - °F EX Approvals Please refer to instruction manual and certification documentation for product appropriate certification information Display Digit size (upper/lower) Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output	IP Rating	IP67	
EX Approvals Please refer to instruction manual and certification documentation for product appropriate certification information Display Digit size (upper/lower) Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output	Тетр		
Please refer to instruction manual and certification documentation for product appropriate certification information Display Digit size (upper/lower) Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output		Min: - Max: - °F	
Certification documentation for product appropriate certification information Display Digit size (upper/lower) Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output	EX Approvals	-	
appropriate certification information Display Digit size (upper/lower) 17mm/6mm Accumulated total			
Digit size (upper/lower) Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output			
Accumulated total Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output	Display		
Resettable total Preset total Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output	Digit size (upper/lower)	17mm/6mm	
Preset total Flow rate Coutputs 4-20 mA (passive) Pulse/Transistor Output	Accumulated total	✓	
Flow rate Outputs 4-20 mA (passive) Pulse/Transistor Output	Resettable total	✓	
Outputs 4-20 mA (passive) Pulse/Transistor Output	Preset total	X	
4-20 mA (passive) Pulse/Transistor Output	Flow rate	X	
4-20 mA (passive) Pulse/Transistor Output	Outputs		
Pulse/Transistor Output	4-20 mA (passive)	X	
The state of the s		X	
		X	
Batch Control output		X	

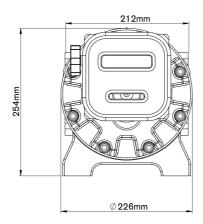
Heavy Duty Mechanical

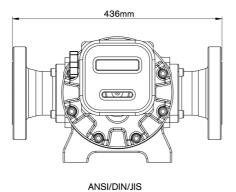
<u>macnaught.com</u> Email: <u>meters@macnaught.com</u> Part Number: F075-3V4

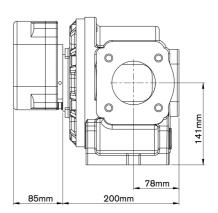
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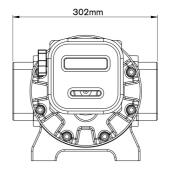


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Part Number: F075-3V4