

# PRODUCT DATA SHEET

## S040-3T4 - 1 1/2" MECHANICAL FLOW METER WITH HEAVY DUTY MECHANICAL DISPLAY

The M Series 1 1/2" MECHANICAL FLOW METER are suitable for flows between 10 – 250 L/min (2.64 - 66.04 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
- FEP (Teflon) seals
- Maximum flow rate 250 L/min / 66.04 GPM
- Accuracy of  $\pm 1.00\%$  of reading
- Exceptional repeatability of  $\pm 0.03\%$
- Temperature up to 120 °C / 248 °F
- 1 point factory calibration as standard, with additional points upon request

## SPECIFICATIONS



S040-3T4

|                          | S040-3T4                                   |                  |       |       |
|--------------------------|--------------------------------------------|------------------|-------|-------|
| Material of construction | Meter Body                                 | Cast Aluminium   |       |       |
|                          | Rotor                                      | Aluminium (6061) |       |       |
|                          | Seals                                      | FEP (Teflon)     |       |       |
| Design Specifications    |                                            |                  |       |       |
| Process Connections      | 1 1/2" NPT Thread [w/ litres mech display] |                  |       |       |
| Technical Specifications |                                            | min              | max   |       |
|                          | Flow rate<br>< 5cPr                        | 15               | 235   | L/min |
|                          |                                            | 3.96             | 62.08 | GPM   |
|                          | > 5cP                                      | 10               | 250   | L/min |
|                          |                                            | 2.64             | 66.04 | GPM   |
|                          | Non lubricating fluids                     | -                | 250   | L/min |
|                          |                                            | -                | 66.04 | GPM   |
|                          | Operating Temperature Range**              | -40              | 120   | °C    |
|                          |                                            | -40              | 248   | °F    |
|                          | Accuracy (±%)                              | 1.00%            |       |       |
|                          | Repeatability (±%)                         | 0.03%            |       |       |
|                          | Nominal K-Factor                           | - Pulses/Litre   |       |       |
| - Pulses/Gallon          |                                            |                  |       |       |

## OUTPUT TYPE

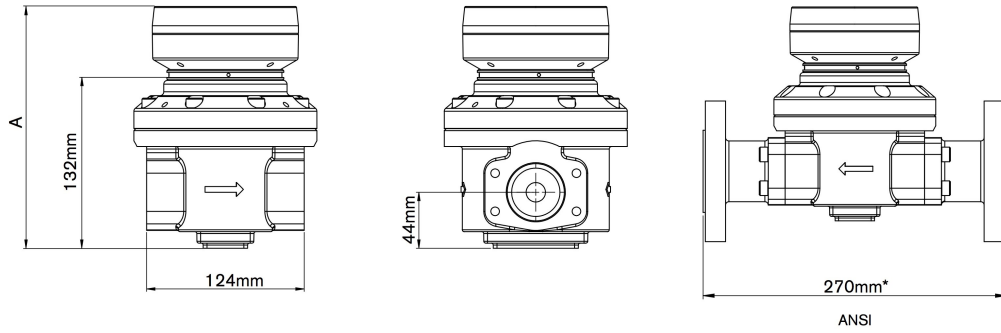


HEAVY DUTY MECHANICAL DISPLAY

| Heavy Duty Mechanical    |                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Construction             | Aluminium                                                                                                                 |
| IP Rating                | IP67                                                                                                                      |
| Temp                     | Min: - Max: - °C<br>Min: - Max: - °F                                                                                      |
| EX Approvals             | -<br>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     | ✗                                                                                                                         |

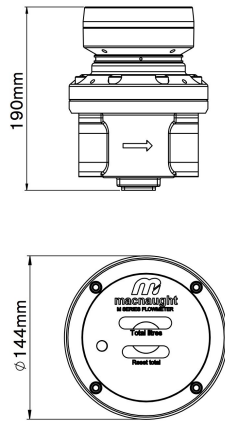
# PRODUCT DATA SHEET

F040-1S3  
M040-1S3  
S040-1S3



DISPLAY HEIGHT - A

TYPE 3  
MECHANICAL REGISTER - STANDARD



TYPE 4  
MECHANICAL REGISTER - HEAVY DUTY

