

# Macnaught Flow Measurement

## Technical Specification Sheet

**Meter Model Number**

# M025-1S1

**Port Size- 1"**

**Port Thread- BSP (Rp)**

Min                      Max

**Body Material- 316SS**

**Rotor Material- PPS**

**Bushing Material- N/A**

**Seal Material- FEP (Teflon®)**

**Flow Range-**

Litres/Min	< 5 cPs	<b>10 LPM</b>	<b>100 LPM</b>
	> 5 cPs	<b>6 LPM</b>	<b>120 LPM</b>
USG/Min	< 5 cPs	<b>2.6 GPM</b>	<b>26 GPM</b>
	> 5 cPs	<b>1.6 GPM</b>	<b>32 GPM</b>

**Pressure-**

	<u>kPa</u>	<u>BAR</u>	<u>PSI</u>
Max WP	<b>5500</b>	<b>55</b>	<b>800</b>

**Temperature-**

	<u>°C</u>	<u>°F</u>
Min	<b>-40</b>	<b>-40</b>
Max	<b>80</b>	<b>176</b>

**K Factor-**

Pulses/Litre	<b>36</b>
Pulses/USG	<b>136.27</b>

**Output Type- Reed & Hall Effect**

**Accuracy- 0.5%**

**Repeatability- 0.03%**

**Rotor Type- Std.**



### Accessories

**Digital Displays & Batch Controllers (Not Available on Mechanical Meters)**

	<u>Meter Mounted</u>	<u>R/M Alum.</u>	<u>R/M Plastic</u>
<u>Pulse Cap-</u>	<u>PC025MIN</u>	<u>Housing</u>	<u>Housing</u>
<u>DR-</u>	<b>DR10-1AS</b>	DR-WM	N/A
<u>DRA-</u>	<b>DRA10-1AS</b>	DRA-WM	N/A
<u>ER-</u>	<b>ER-M</b>	ER-RMA	ER-RMP
<u>ERA-</u>	<b>ERA-M</b>	ERA-RMA	ERA-RMP
<u>ERB-</u>	<b>ERB-M</b>	ERB-RMA	ERB-RMP
<u>ERS-</u>	<b>ERS-M</b>	ERS-RMA	ERS-RMP
<u>ERX-</u>	<b>ERX-M</b>	ERX-RMA	ERX-RMP
<u>ERAX-</u>	<b>ERAX-M</b>	ERAX-RMA	ERAX-RMP
<u>ERBX-</u>	<b>ERBX-M</b>	ERBX-RMA	ERBX-RMP

**Port Adaptors & Strainer Kits**

SS Y-Strainer- YS025-01

Air/ Eliminator Strainer- N/A

Ansi 150# Flange Adaptor- FKIT-025-IN-AN

DIN PN16 Flange Adaptor- FKIT-025-IN-DN

JIS 10k Flange Adaptor- FKIT-025-IN-JS

BSP (Rc) Thread Adaptor- FKIT-025-IN-RC

NPT Thread Adaptor- N/A

*Port Adaptor Kits Include O-rings and Bolts*

### Dimensional Drawing

**All Models O25 except CR/CK – with Digital Register**

	ALL FLANGED CONFIGURATIONS		ANSI		DIN		JIS		BSP/NPT VERSIONS		BSP		NPT	
	A	SS	B	C	B	C	B	C	A	SS	B	C	B	C
PULSE	280.6	290.6	139	108	139	115	139	125	133	143	139	N/A	139	N/A
DR	280.6	290.6	180	108	180	115	180	125	133	143	180	N/A	180	N/A
ER	280.6	290.6	185	108	185	115	185	125	133	143	185	N/A	185	N/A

