

M-SERIES FLOW METERS

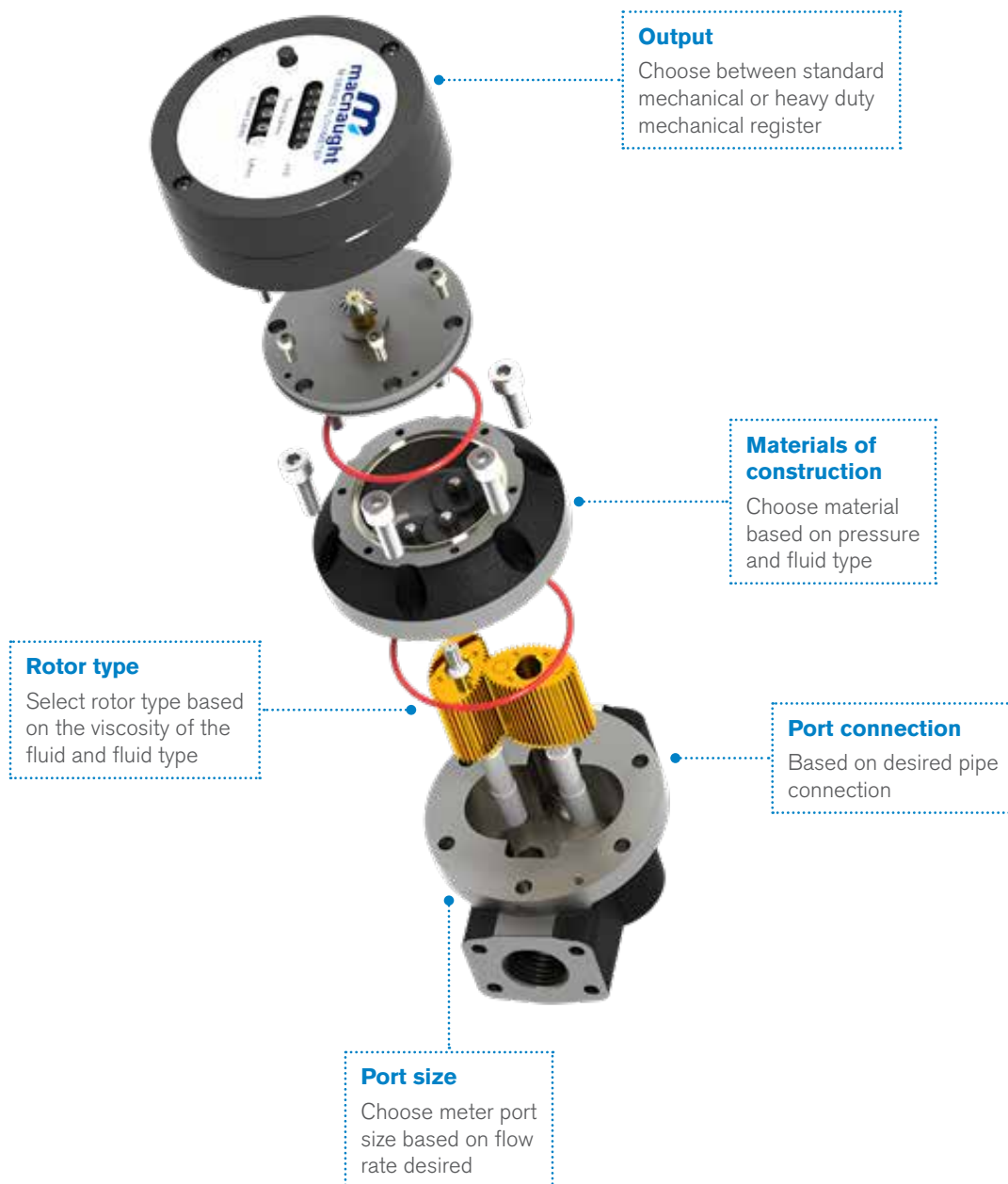


M-SERIES FLOW METERS

MECHANICAL FLOW METERS

The Mechanical Flow Meters range is the original meter range from Macnaught. They are available with reliable mechanical displays offer a measurement option for unpowered or remote sites. All Macnaught Flow Meters are supplied with an individual Test Report.

EXPLODED DIAGRAM



PRODUCT IDENTIFICATION SYSTEM

F012-1S3

F
012
1
S
3

MATERIALS OF CONSTRUCTION		
	CATEGORY (METER/ROTOR/SEAL)	MODELS
F	AL/PPS/FKM	F012 - 050
	AL/AL/FKM	F075 - 100
M	SS/PPS/FEP	M012 - 050
S	AL/SS/FEP	S025
	AL/AL/FEP	S040 - 100

PORT SIZE	
012	1/2"
025	1"
040	1 1/2"
050	2"
075	3"
100	4"

	PORT CONNECTION	MODELS
1	G (Litres Display)	All Models
2	NPT (US Gallons Display)	
3	NPT (Litres Display)	
4	BSP Rc (Litres Display)	

	ROTOR	MODELS
S	Standard Rotors	Category F and M
T*	High Temperature	Category M and S025
V	High Viscosity	PPS material for F012-F050 AL material for F075-F100, S040-S100 SS material for M025-M050

*T type rotors are offered in Aluminium for category S040 to S100

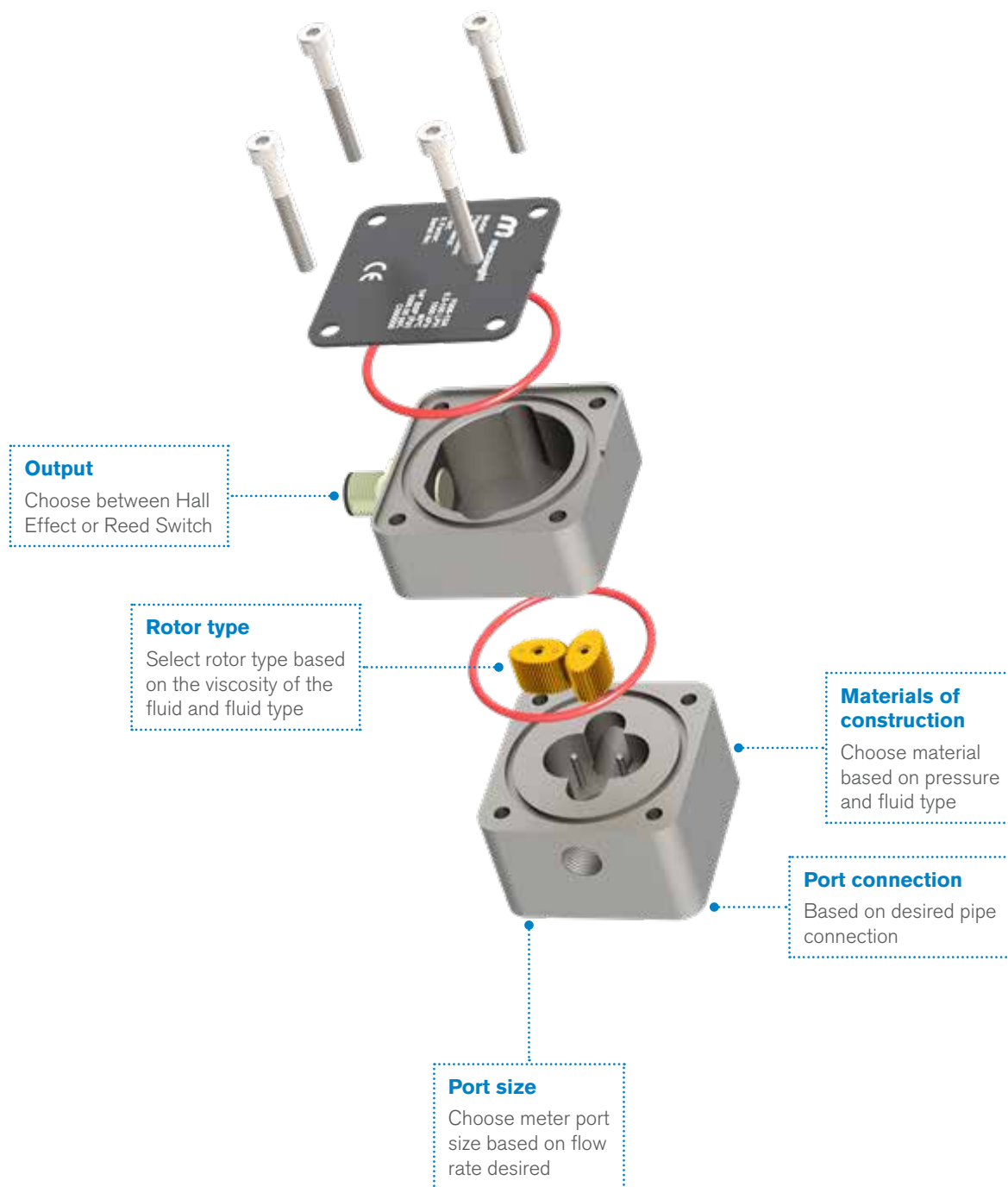
	OUTPUT	MODELS
3	Standard Mechanical	012-050
4	Heavy Duty Mechanical	All Models

M-SERIES FLOW METERS

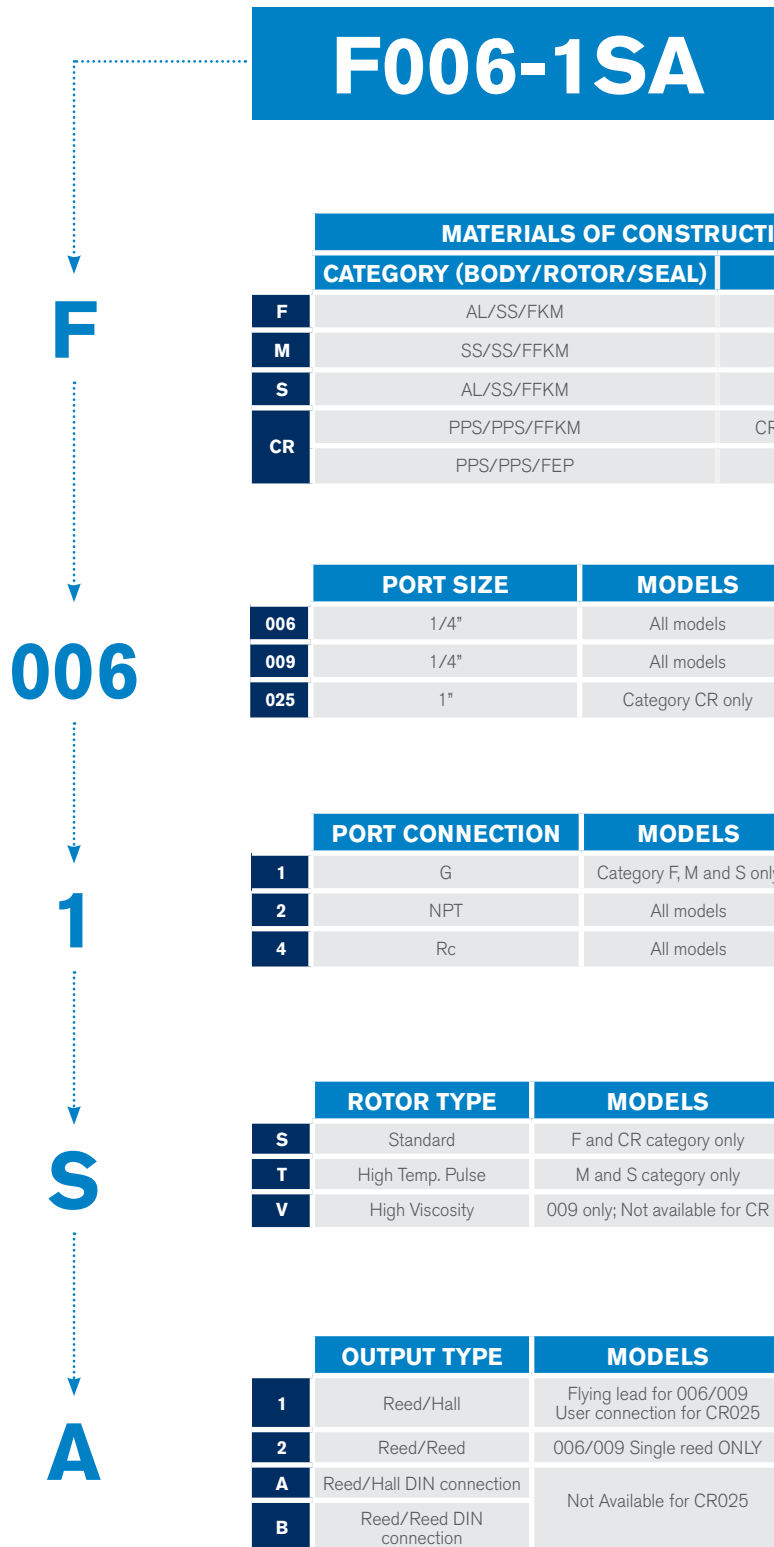
PULSE FLOW METERS (STANDARD)

The Macnaught Pulse Flow Meter range are the original meter range from Macnaught. They offer a compact and robust metal body, manufactured from high quality grades of cast aluminium and stainless steel. For highly corrosive chemical applications, BR42B grade PPS material is used to deliver superior stability*.

EXPLODED DIAGRAM



PRODUCT IDENTIFICATION SYSTEM

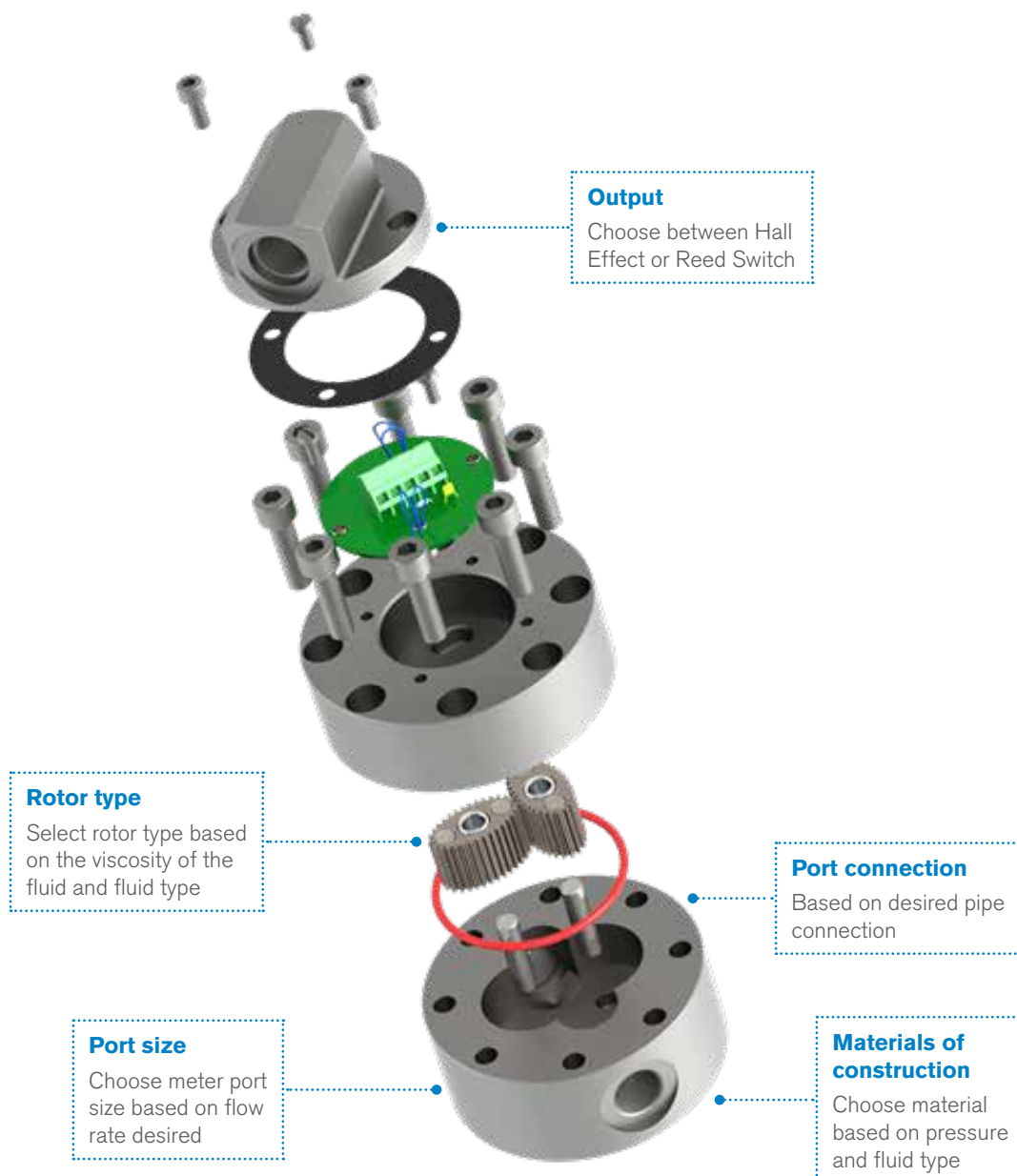


M-SERIES FLOW METERS

PULSE FLOW METERS (HIGH PRESSURE)

Macnaught High Pressure Flow Meters are manufactured from robust stainless steel body utilizing high quality billet suitable for use in the harshest environments. Designed to withstand pressures from 3000psi to 8000psi, the Macnaught High Pressure Flow Meters fit virtually any high pressure liquid measurement requirements. All Macnaught Flow Meters are supplied with an individual Test Report.

EXPLODED DIAGRAM



PRODUCT IDENTIFICATION SYSTEM

MH009-1T1

MH

009

1

T

1

MATERIALS OF CONSTRUCTION		
	CATEGORY (METER/ROTOR/SEAL)	MODELS
MH	SS/SS/FFKM	MH006-009
	SS/SS/FEP SS/PPS/FEP	MH012

	PORT SIZE	MODELS
006	1/4"	All Models
009	1/4"	
012	1/2"	

	PORT CONNECTION	MODELS
1	G	All Models
2	NPT	

	ROTOR TYPE	MODELS
T	High Temp. Pulseerature	All Models
V	High Viscosity	MH009 and MH012

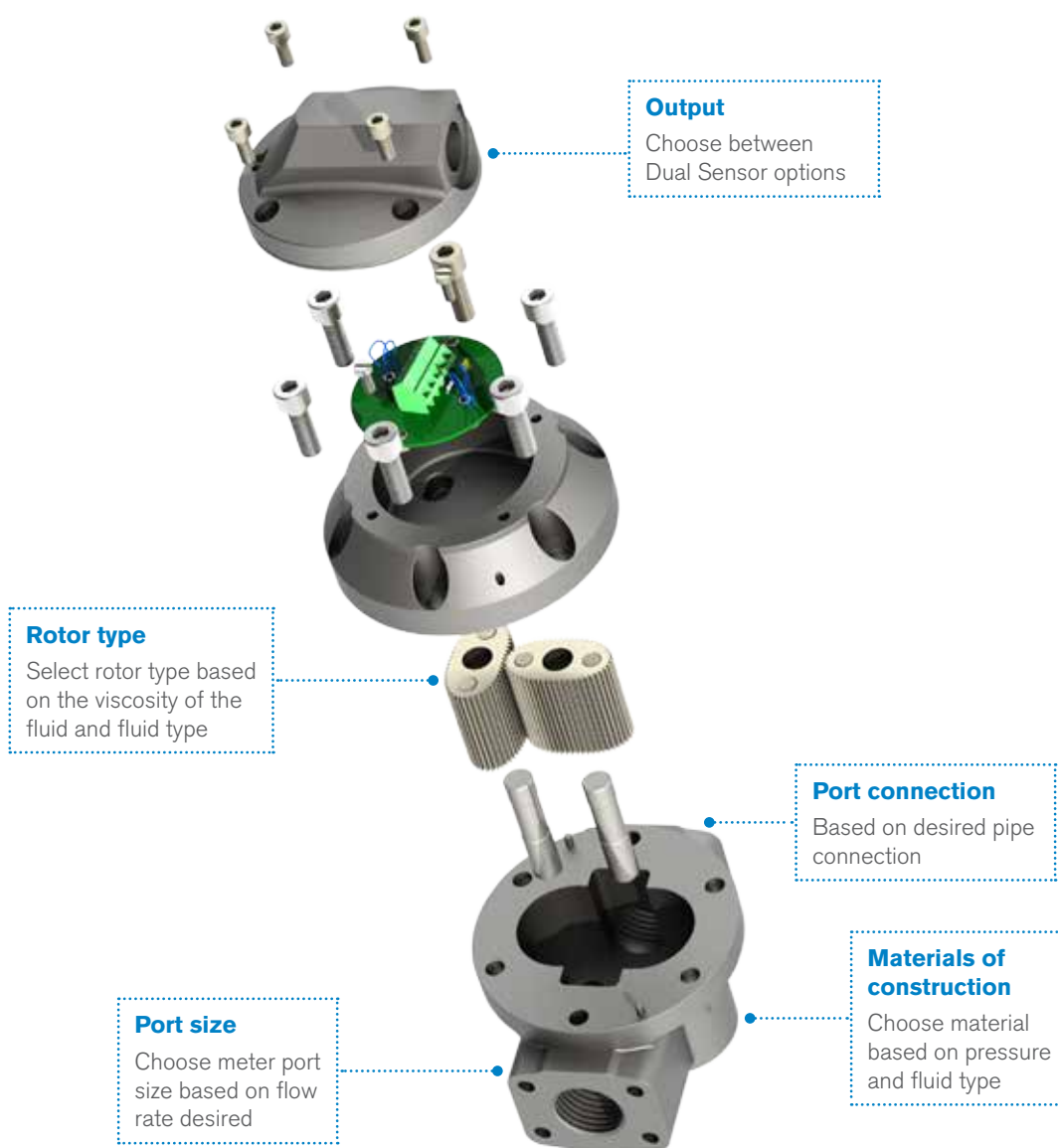
	OUTPUT	SWITCH TYPE
1	Pulse Output	Single Hall for MH006/009. Reed/Hall for MH012
2	Pulse Output	Single Reed for MH006/009. Dual Reed for MH012

M-SERIES FLOW METERS

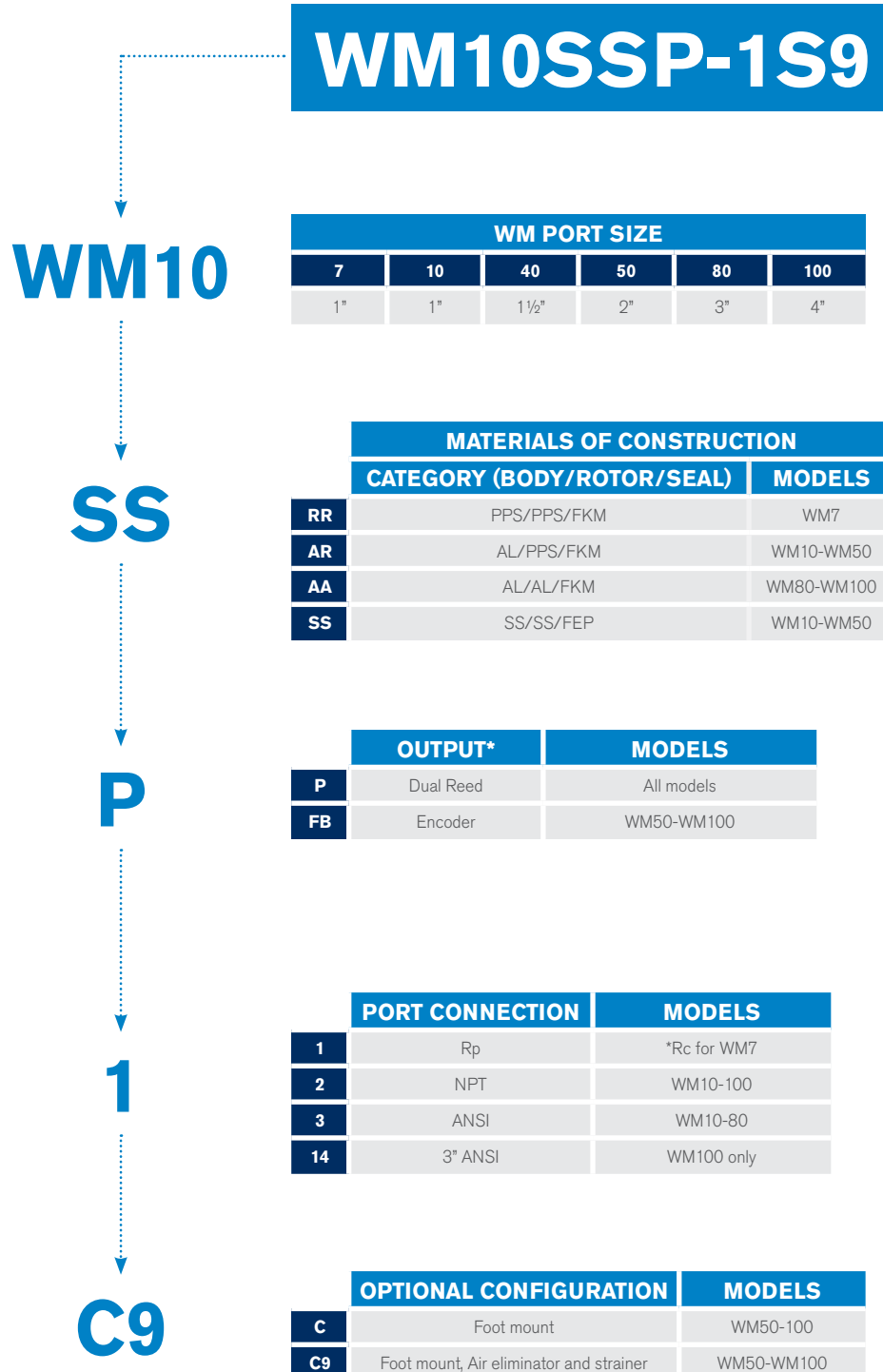
PULSE FLOW METERS (CUSTODY TRANSFER)

The Macnaught Custody Transfer meter range are the original meter range from Macnaught. They offer a compact and robust body manufactured from high quality grades of cast Aluminium and Stainless steel. Macnaught Custody Transfer meters are certified and approved by the National Measurement Institute (NMI) and supplied with an individual Test Report.

EXPLODED DIAGRAM



PRODUCT IDENTIFICATION SYSTEM



*Additional output options also available as accessories. Contact Macnaught Technical Support Team for more information

M1 – 1/4” PULSE FLOW METERS

SUITABLE FOR FLOW RANGE 0.5-100L/HR



F006-1S1
Aluminium body with flying lead



CR006-1SA
PPS body with DIN variation

Macnaught 1/4" Pulse Flow Meters are a small capacity meter in the M-SERIES range. Differentiated by its flow rate capabilities. Suitable for flows between 0.5-100L/hr. The 1/4" Pulse Flow Meters have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability.

SPECIFICATIONS

	F006		S006		M006		CR006	
Materials of Construction Meter Body	Aluminium		Aluminium		Stainless Steel		PPS	
	Stainless Steel		Stainless Steel		Stainless Steel		PPS	
	Fluorocarbon (FKM)		Perfluoroelastomer (FFKM)		Perfluoroelastomer (FFKM)		Perfluoroelastomer (FFKM)	
Design Specifications Process Connections	1/4" G		1/4" G		1/4" G		1/4" BSP (Rc)	
	1/4" NPT		1/4" NPT		1/4" NPT		1/4" NPT	
Technical Specifications	<5cP		<5cP		<5cP		<5cP	
	>5cP		>5cP		>5cP		>5cP	
	Flow rate		Flow rate		Flow rate		Flow rate	
	2-100L/hr		2-100L/hr		2-100L/hr		2-100L/hr	
	0.5-26USG/hr		0.5-26USG/hr		0.5-26USG/hr		0.5-26USG/hr	
	Non-lubricating fluids		Non-lubricating fluids		Non-lubricating fluids		Non-lubricating fluids	
	6-100L/hr		6-100L/hr		6-100L/hr		6-100L/hr	
	1.58-26USG/hr		1.58-26USG/hr		1.58-26USG/hr		1.58-26USG/hr	
	Operating Temperature Range*		Operating Temperature Range*		Operating Temperature Range*		Operating Temperature Range*	
	-40 - 80°C		-40 - 120°C		-40 - 120°C		-40 - 80°C	
Max. Operating Pressure	800 psi		800 psi		800 psi		75 psi	
	55 bar		55 bar		55 bar		5 bar	
	Accuracy		Accuracy		Accuracy		Accuracy	
	+/- 0.5%		+/- 0.5%		+/- 0.5%		+/- 0.5%	
	Repeatability		Repeatability		Repeatability		Repeatability	
	+/- 0.03%		+/- 0.03%		+/- 0.03%		+/- 0.03%	
	Nominal K-Factor		Nominal K-Factor		Nominal K-Factor		Nominal K-Factor	
	1000 Pulses/L		1000 Pulses/L		1000 Pulses/L		1000 Pulses/L	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

OUTPUTS

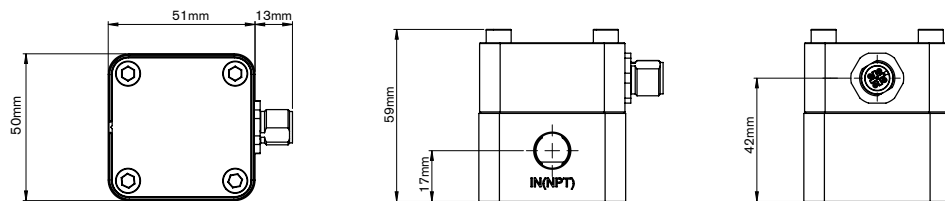
PREFIX	OUTPUT	SWITCH TYPE	F006	S006	M006	CR006
1	Pulse output	Reed/Hall Flying Lead	●	●	●	●
2	Pulse output	Reed Flying Lead	●	●	●	●
A	Pulse output	Reed/Hall DIN Connection	●	●	●	●
B	Pulse output	Reed/Reed DIN Connection	●	●	●	●

● Available ✗ Not Available

DIMENSIONS

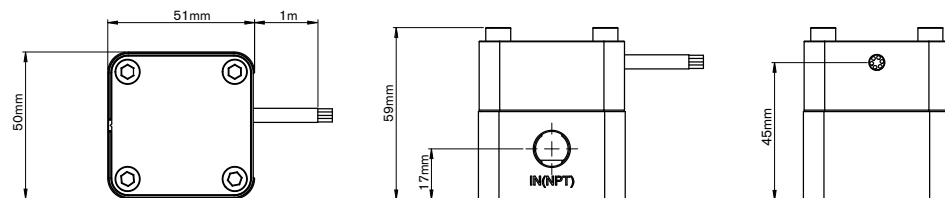
M006/F006/S006

DIN variation



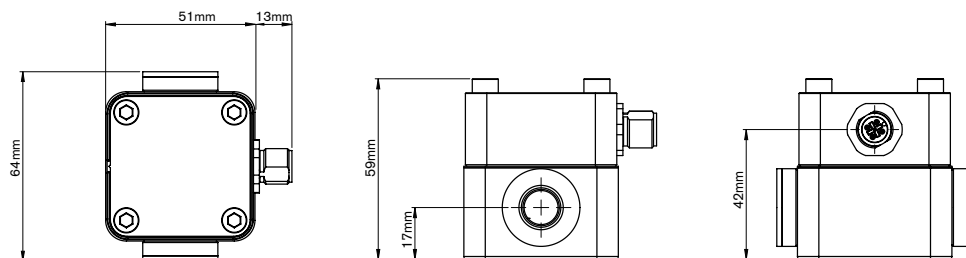
M006/F006/S006

Flying Lead



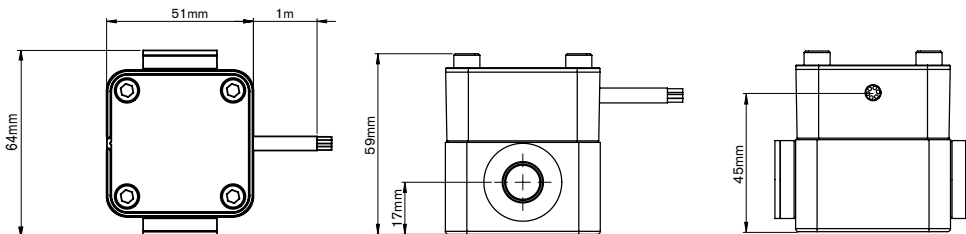
CR006

DIN variation



CR006

Flying Lead



M1 – 1/4” HIGH PRESSURE FLOW METERS

SUITABLE FOR FLOW RANGE 0.5-100L/HR



Also available as optional accessories:



DR
LCD Display (12mm)



DRA
LCD Display (12mm) with outputs

MH006-1T1
Stainless steel body with pulser cap

Macnaught 1/4" High Pressure Flow Meters are a small capacity meter in the M-SERIES range. Suitable for flows between 0.5-100L/hr. The 1/4" High Pressure Flow Meters are manufactured from high quality billet for enhanced material reliability with pressure ratings of up to 8000psi and have an accuracy of +/- 0.5% to provide exceptional levels of reliability and durability.

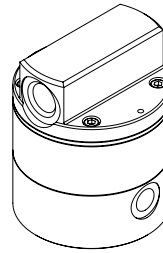
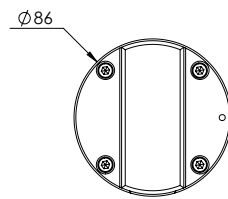
SPECIFICATIONS

MH006	
Materials of Construction Meter Body	Stainless Steel
Rotor	Stainless Steel
Seals	Perfluoroelastomer (FFKM)
Design Specifications Process Connections	1/4" G 1/4" NPT
Technical Specifications Flow rate	<5cP 2-100L/hr 0.5-26USG/hr >5cP 0.5-100L/hr 0.13-26USG/hr
Non-lubricating fluids	6-100L/hr 1.58-26USG/hr
Operating Temperature Range*	-40 - 120°C -40 - 248°F
Pressure	8000 psi 557 bar
Accuracy	+/- 0.5%
Repeatability	+/- 0.03%
Nominal K-Factor	1000 Pulses/L
Pulse Output Options Pulser Pulser	Single Hall Effect Single Reed Switch
Local Display Options Type DR	LCD display (12mm) No Outputs
Type DRA	LCD display (12mm) Outputs: Scaled Pulse, 4-20mA and Hi/Lo Flow Alarm

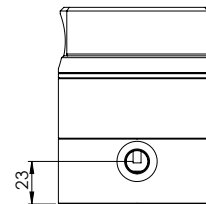
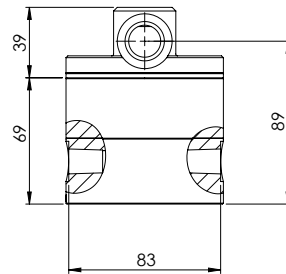
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

DIMENSIONS

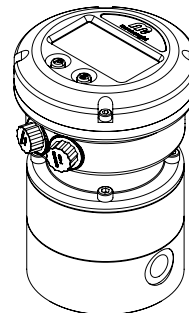
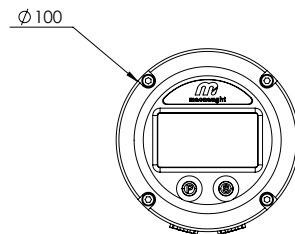
MH006



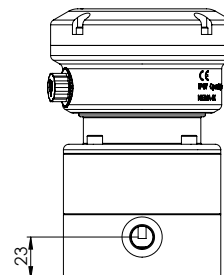
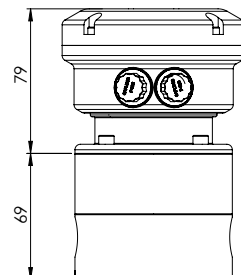
ISOMETRIC VIEW



MH006 with DR Display



ISOMETRIC VIEW



M2 – 1/4" PULSE FLOW METERS

SUITABLE FOR FLOW RANGE 15-500L/HR



F009-1S1

Aluminium body with flying lead



CR009-1SA

PPS body with DIN variation

Macnaught 1/4" Pulse Flow Meters are a small capacity meter in the M-SERIES range. Differentiated by its flow rate capabilities. Suitable for flows between 15-500L/hr. The 1/4" Pulse Flow Meters have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability.

SPECIFICATIONS

	F009	S009	M009	CR009
Materials of Construction				
Meter Body	Aluminium	Aluminium	Stainless Steel	PPS
Rotor	Stainless Steel	Stainless Steel	Stainless Steel	PPS
Seals	Fluorocarbon (FKM)	Perfluoroelastomer (FFKM)	Perfluoroelastomer (FFKM)	Perfluoroelastomer (FFKM)
Design Specifications				
Process Connections	1/4" G 1/4" NPT	1/4" G 1/4" NPT	1/4" G 1/4" NPT	1/4" BSP (Rc) 1/4" NPT
Technical Specifications				
Flow rate	<5cP 25-500L/hr 6.6-132USG/hr >5cP 15-500L/hr 4-132USG/hr	<5cP 25-500L/hr 6.6-132USG/hr >5cP 15-500L/hr 4-132USG/hr	<5cP 25-500L/hr 6.6-132USG/hr >5cP 15-500L/hr 4-132USG/hr	<5cP 25-500L/hr 6.6-132USG/hr >5cP 15-500L/hr 4-132USG/hr
Operating Temperature Range*	-40 - 80°C -40 - 176°F	-40 - 120°C -40 - 248°F	-40 - 120°C -40 - 248°F	-40 - 80°C -40 - 176°F
Max. Operating Pressure	800 psi 55 bar	800 psi 55 bar	800 psi 55 bar	75 psi 5 bar
Accuracy	+/- 0.5%	+/- 0.5%	+/- 0.5%	+/- 1.0%
Repeatability	+/- 0.03%	+/- 0.03%	+/- 0.03%	+/- 0.03%
Nominal K-Factor	400 Pulses/L	400 Pulses/L	400 Pulses/L	400 Pulses/L

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

OUTPUTS

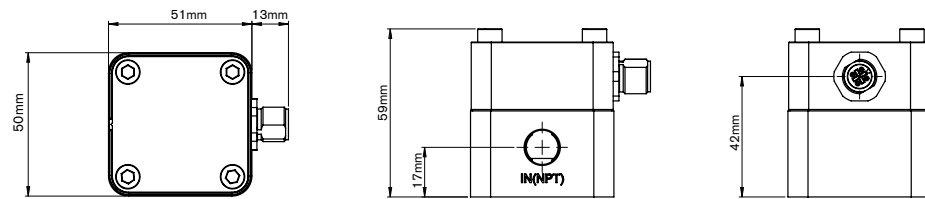
PREFIX	OUTPUT	SWITCH TYPE	F009	S009	M009	CR009
1	Pulse output	Reed/Hall Flying Lead	●	●	●	●
2	Pulse output	Reed Flying Lead	●	●	●	●
A	Pulse output	Reed/Hall DIN Connection	●	●	●	●
B	Pulse output	Reed/Reed DIN Connection	●	●	●	●

● Available ✗ Not Available

DIMENSIONS

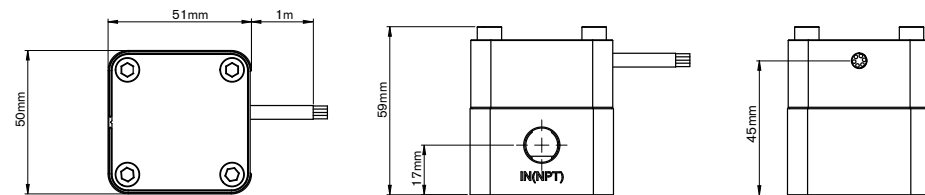
M009/F009/S009

DIN variation



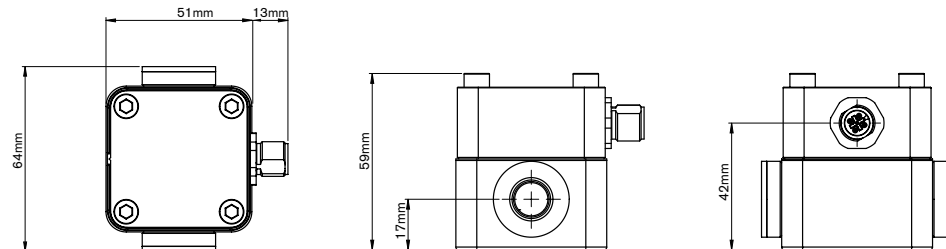
M009/F009/S009

Flying Lead



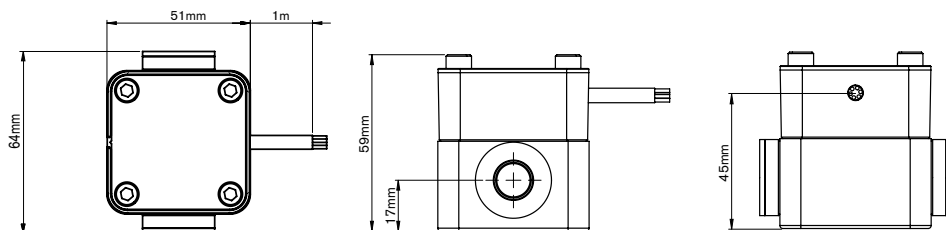
CR009

DIN variation



CR009

Flying Lead



M2 – 1/4" HIGH PRESSURE FLOW METERS

SUITABLE FOR FLOW RANGE 15-500L/HR



Also available as optional accessories:



DR
LCD Display (12mm)



DRA
LCD Display (12mm) with outputs

MH009-1T1

Stainless steel body with pulser cap

Macnaught 1/4" High Pressure Flow Meters are a small capacity meter in the M-SERIES range. Suitable for flows between 25-500L/hr. The 1/4" High Pressure Flow Meters are manufactured from high quality billet for enhanced material reliability with pressure ratings of up to 8000psi and have an accuracy of +/- 0.5% to provide exceptional levels of reliability and durability.

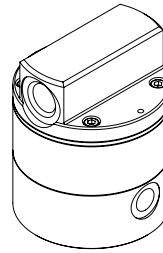
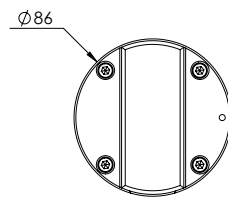
SPECIFICATIONS

MH009	
Materials of Construction Meter Body	Stainless Steel
Rotor	Stainless Steel
Seals	Perfluoroelastomer (FFKM)
Design Specifications Process Connections	Threaded 1/4" G 1/4" NPT
Technical Specifications Flow rate	<5cP 25-500L/hr 6.6-132USG/hr
Operating Temperature Range*	>5cP 15-500L/hr 4-132USG/hr
Max. Operating Pressure	-40 - 120°C -40 - 248°F
Accuracy	8000 psi 557 bar
Repeatability	+/- 0.5%
Nominal K-Factor	+/- 0.03%
Pulse Output Options Pulser Pulser	400 Pulses/L
Local Display Options Type DR	Single Hall Effect Single Reed Switch
Type DRA	No Outputs
	Outputs: Scaled Pulse, 4-20mA and Hi/Lo Flow Alarm

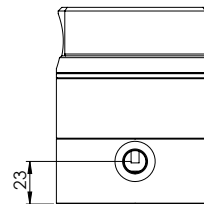
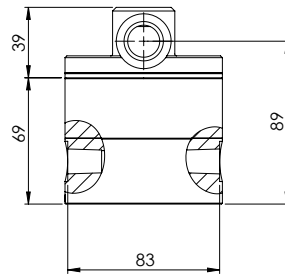
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

DIMENSIONS

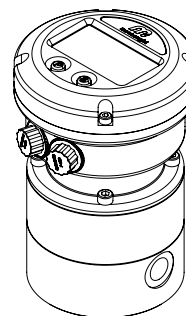
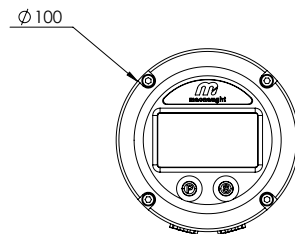
MH009



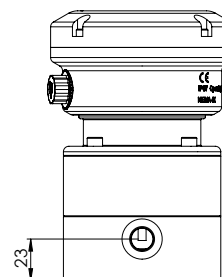
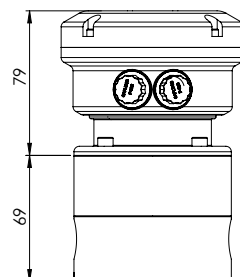
ISOMETRIC VIEW



MH009 with DR Display



ISOMETRIC VIEW



M4 – 1/2" HIGH PRESSURE FLOW METERS

SUITABLE FOR FLOW RANGE 2-30L/MIN



Also available as optional accessories:



DR
LCD Display (12mm)



DRA
LCD Display (12mm) with outputs

MH012-1T1

Stainless steel body with pulser cap

Macnaught 1/2" High Pressure Flow Meters are suitable for low to medium flow range of 2-30L/min. The 1/2" High Pressure Flow Meters are manufactured from high quality billet for enhanced material reliability with pressure ratings of up to 3000psi and have an accuracy of +/- 0.5% to provide exceptional levels of reliability and durability.

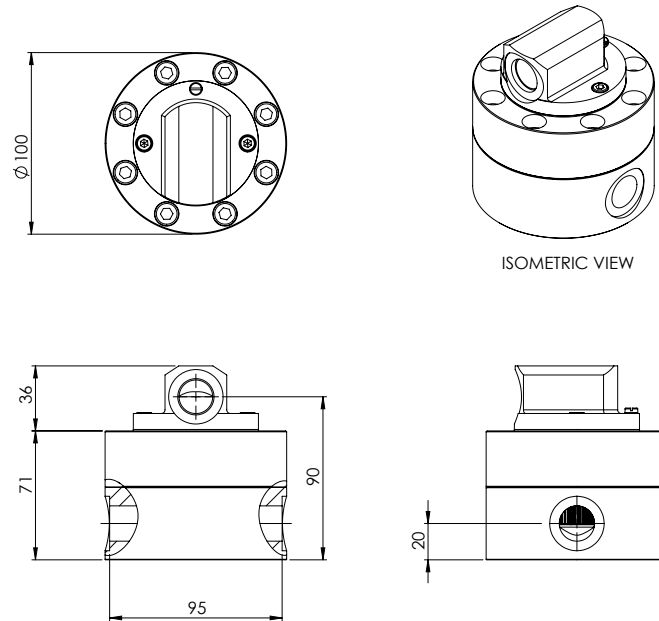
SPECIFICATIONS

	MH012	
Materials of Construction Meter Body	Stainless Steel	
	Rotor	Stainless Steel PPS option
	Seals	PTFE encapsulated (FEP)
Design Specifications Process Connections	Threaded 1/2" G 1/2" NPT	
Technical Specifications Flow rate	<5cP 3-25L/min 0.6-6.6USG/min	
	>5cP 2-30L/min 0.5-8USG/min	
	Operating Temperature Range* -40 - 120°C -40 - 248°F	
	Pressure 3000psi 207 Bar	
	Accuracy +/- 1.0%	
	Repeatability +/- 0.03	
	Nominal K-Factor 112 Pulses/L	
Pulse Output Options Pulser Pulser	Dual Reed/Hall Dual Reed Switch	
Local Display Options Type DR	LCD display (12mm)	No Outputs
	Type DRA LCD display (12mm)	Outputs: Scaled Pulse, 4-20mA and Hi/Lo Flow Alarm

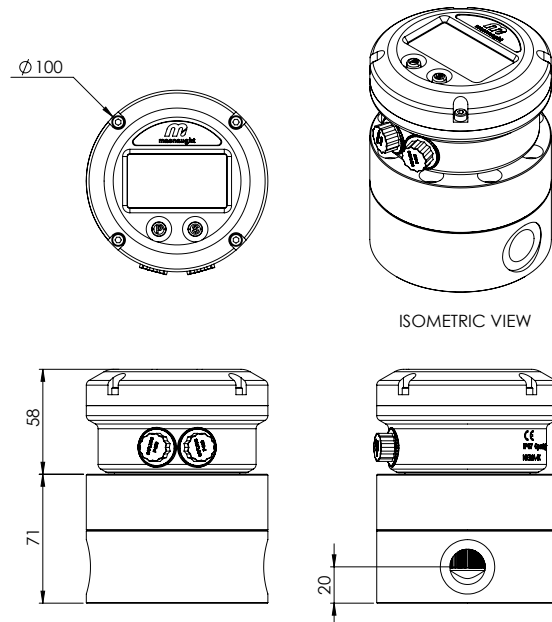
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

DIMENSIONS

MH012



MH012 with DR Display



M4 – 1/2" MECHANICAL METERS

SUITABLE FOR FLOW RANGE 2-30L/MIN



Output variations:



Type 3
Standard Mechanical Display



Type 4
Heavy Duty Mechanical Display

F012-1S3

Aluminium body with standard mechanical display

Designed and built to suit a broad range of industrial applications, the Macnaught 1/2" Mechanical Meters are suitable for flows between 2-30L/min. The 1/2" Mechanical Meters have an accuracy of +/- 1.0% and provides exceptional levels of reliability and durability. These meters are an ideal solution for remote sites or where ease of installation, accuracy and reliability are the priority.

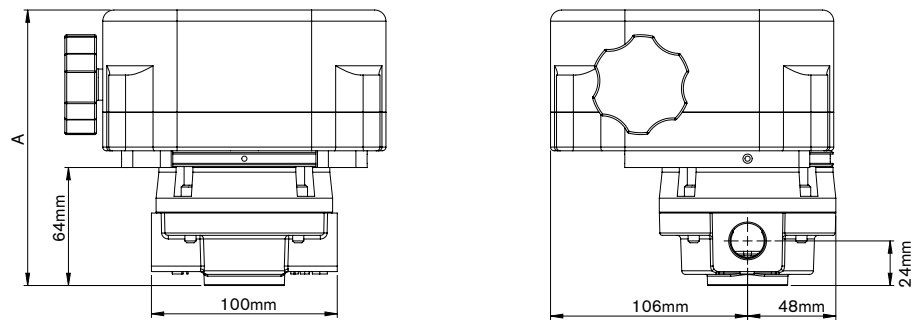
SPECIFICATIONS

	F012	M012
Materials of Construction Meter Body	Cast Aluminium	Cast Stainless Steel
Rotor	PPS	PPS Stainless Steel
Seals	Fluorocarbon (FKM)	PTFE encapsulated (FEP)
Design Specifications Process Connections	Threaded 1/2" G 1/2" NPT	Threaded 1/2" G 1/2" NPT
Technical Specifications Flow rate	<5cP 3-25L/min 0.6-6.6USG/min	<5cP 3-25L/min 0.6-6.6USG/min
	>5cP 2-30L/min 0.5-8USG/min	>5cP 2-30L/min 0.5-8USG/min
Max. Operating Temperature*	-40 - 80°C -40 - 176°F	-40 - 80°C -40 - 176°F
Max. Operating Pressure	500 psi 35 bar	500psi 35 bar
Accuracy	+/- 1.0%	+/- 1.0%
Repeatability	+/- 0.03%	+/-0.03%
Mechanical Display Type 3 - Standard	Polypropylene (IP56)	Polypropylene (IP56)
Type 4 - Heavy Duty	Aluminium (IP67)	Aluminium (IP67)

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

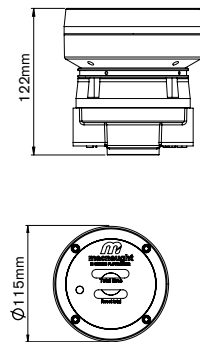
DIMENSIONS

F012
M012

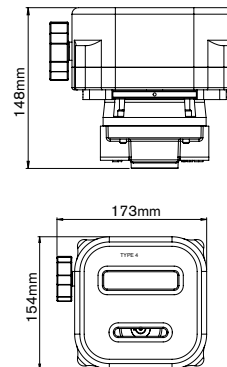


DISPLAY HEIGHT - A

TYPE 3
MECHANICAL REGISTER - STANDARD



TYPE 4
MECHANICAL REGISTER - HEAVY DUTY



M7 – 1" PULSE FLOW METERS

SUITABLE FOR FLOW RANGE 3-80L/MIN



CR025-2S1
PPS body with pulser cap

Also available as optional accessories:



DR
LCD Display (12mm)
DRA
LCD Display (12mm) with outputs



ER
LCD Display (17mm)
ERA
LCD Display (17mm) with outputs
ERB
LCD Display (17mm) with batch control output

The Macnaught 1" Pulse Flow Meters are specialised meters suitable for aggressive chemicals and water based products. Suitable for flows between 3-80L/min. The 1" Pulse Flow Meters have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability.

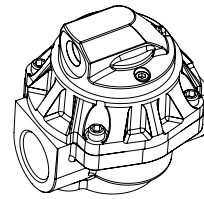
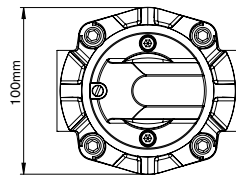
SPECIFICATIONS

	CR025	
Materials of Construction Meter Body Rotor Seals	PPS	
	PPS	
	PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded 1" BSP (Rc) 1" NPT	
Technical Specifications Flow rate Operating Temperature Range* Max. Operating Pressure Accuracy Repeatability Nominal K-Factor	<5cP 8-70L/min 2-18.5 USG/min	
	>5cP 3-80L/min 0.8-21 USG/min	
	-40 - 80°C -40-176°F	
	150 psi 10 Bar	
	+/- 0.5%	
	+/- 0.03%	
Pulse Output Options Pulser Pulser	52 Pulses/L	
	Reed/Hall Effect Reed/Reed Switch Dual Hall	
Local Display Options Type DR Type DRA	LCD display (12mm)	
	No Outputs Outputs: Scaled Pulse, 4-20mA and Hi/Lo Flow Alarm	

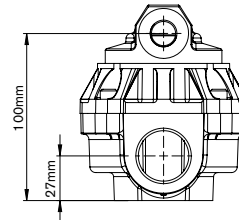
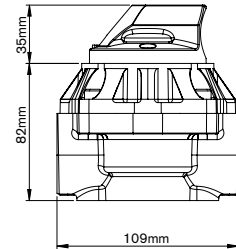
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

DIMENSIONS

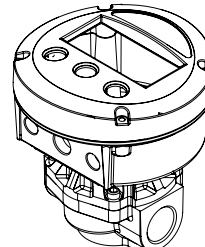
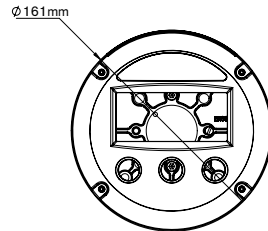
CR025



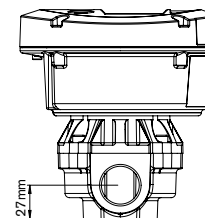
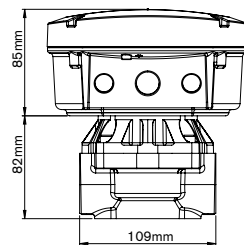
ISOMETRIC VIEW



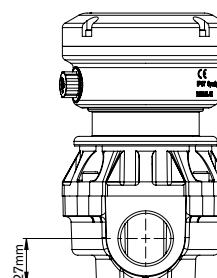
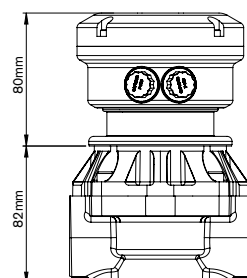
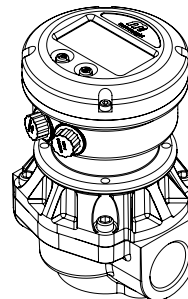
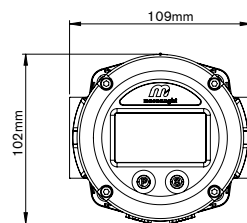
CR025 with ER Display



ISOMETRIC VIEW



CR025 with DR Display



M7 – 1" CUSTODY TRANSFER METERS

SUITABLE FOR FLOW RANGE 14-70L/MIN



WM7RRP-1

PPS body with pulser cap

The Macnaught 1" Custody Transfer meters are specialised meters suitable for aggressive chemicals and water based products. Suitable for flows between 14-70L/min. The 1" Pulse Flow Meters are NMI approved and have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability.

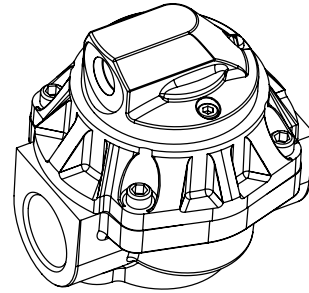
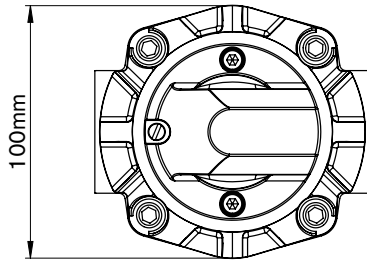
SPECIFICATIONS

	WM7
Materials of Construction Meter Body	PPS
Rotor	PPS
Seals	Fluorocarbon (FKM)
Design Specifications Process Connections	Threaded 1" BSP Rc 1" NPT
Technical Specifications Flow rate	14-70L/min 3.6-19.8USG/min
Operating Temperature Range*	-40 - 80°C -40 - 176°F
Max. Operating Pressure	150psi 10 Bar
Accuracy	+/- 0.5%
Repeatability	+/- 0.03%
Nominal K-Factor	52 Pulses/L
Pulse Output Options Pulser Pulser Pulser	Dual Hall Effect Dual Reed Reed/Hall Effect

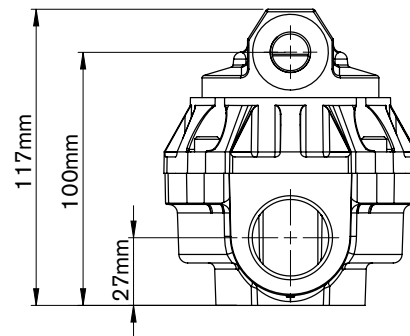
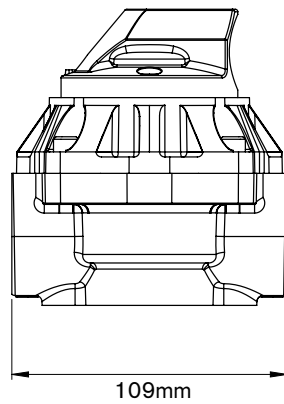
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

DIMENSIONS

WM7



ISOMETRIC VIEW



M10 – 1" MECHANICAL METERS

SUITABLE FOR FLOW RANGE 6-120L/MIN



Output variations:



Type 3
Standard Mechanical Display



Type 4
Heavy Duty Mechanical Display

F025-1S3

Aluminium body with standard mechanical display

Designed and built to suit a broad range of industrial applications, the Macnaught 1" Mechanical Meters are suitable for flows between 6-120L/min. The 1" mechanical meters have an accuracy of +/- 1.0% and provides exceptional levels of reliability and durability. These meters are an ideal solution for remote sites or where ease of installation, accuracy and reliability are the priority.

SPECIFICATIONS

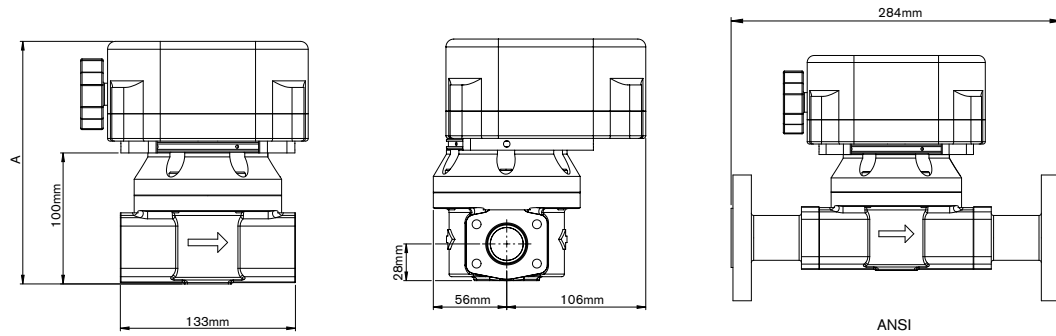
	F025		M025		S025	
Materials of Construction Meter Body	Cast Aluminium		Cast Stainless Steel		Cast Aluminium	
	Rotor		PPS Stainless Steel		Stainless Steel	
	Seals		PTFE encapsulated (FEP)		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded 1" G 1" NPT	Flange ANSI CLASS 150 DIN PN16 JIS 10k	Threaded 1" G 1" NPT	Flange ANSI CLASS 150 DIN PN16 JIS 10k	Threaded 1" G 1" NPT	Flange ANSI CLASS 150 DIN PN16 JIS 10k
Technical Specifications Flow rate	<5cP 10-100L/min 2.6-26USG/min		<5cP 10-100L/min 2.6-26USG/min		<5cP 10-100L/min 2.6-26USG/min	
	>5cP 6-120L/min 1.6-32USG/min		>5cP 6-120L/min 1.6-32USG/min		>5cP 6-120L/min 1.6-32USG/min	
	Operating Temperature Range*		-40 - 80°C -40 - 176°F		-40 - 120°C -40 - 248°F	
	Max. Operating Pressure**		500 psi 35 Bar		500 psi 35 Bar	
	Accuracy		+/- 1.0%		+/- 1.0%	
	Repeatability		+/- 0.03%		+/- 0.03%	
Mechanical Display Type 3 - Standard	Polypropylene (IP56)		Polypropylene (IP56)		Polypropylene (IP56)	
	Type 4 - Heavy Duty		Aluminium (IP67)		Aluminium (IP67)	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

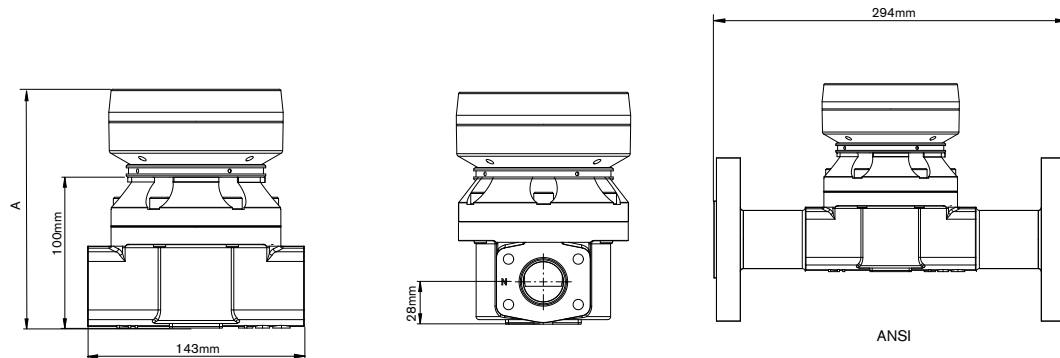
**Pressure subject to change as per flange rating

DIMENSIONS

F025
S025

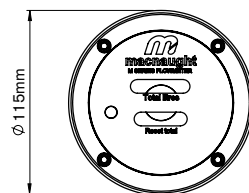
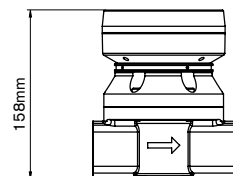


M025

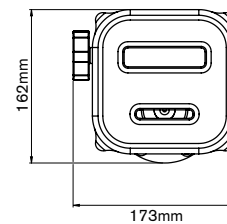
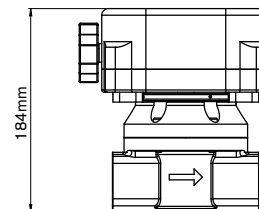


DISPLAY HEIGHT - A

TYPE 3
MECHANICAL REGISTER - STANDARD



TYPE 4
MECHANICAL REGISTER - HEAVY DUTY



M10 – 1" CUSTODY TRANSFER METERS

SUITABLE FOR FLOW RANGE 24-120L/MIN



WM10SSP-1

Stainless steel body with pulser cap

The 1" Custody Transfer Meters are the medium capacity meter in the M-SERIES range. Suitable for flows between 24-120L/min. The 1" Custody Transfer Meters are NMI approved and have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability. It has ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.

SPECIFICATIONS

	WM10AR		WM10SS	
Materials of Construction Meter Body	Cast Aluminium		Cast Stainless Steel	
	Rotor		Stainless Steel	
	Seals		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded 1" G 1" NPT		Threaded 1" G 1" NPT	
	Flange ANSI CLASS 150		Flange ANSI CLASS 150	
Technical Specifications	Flow rate		24-120L/min 6.3-31.7USG/min	
	Operating Temperature Range*		-40 - 120°C -40 - 176°F	
	Max. Operating Pressure**		1200 psi 83 Bar	
	Accuracy		+/- 0.5%	
	Repeatability		+/- 0.03%	
	Nominal K-Factor		36 Pulses/L	
Pulse Output Options* Pulser	Dual Reed switch Dual Hall switch		Dual Reed switch Dual Hall switch	

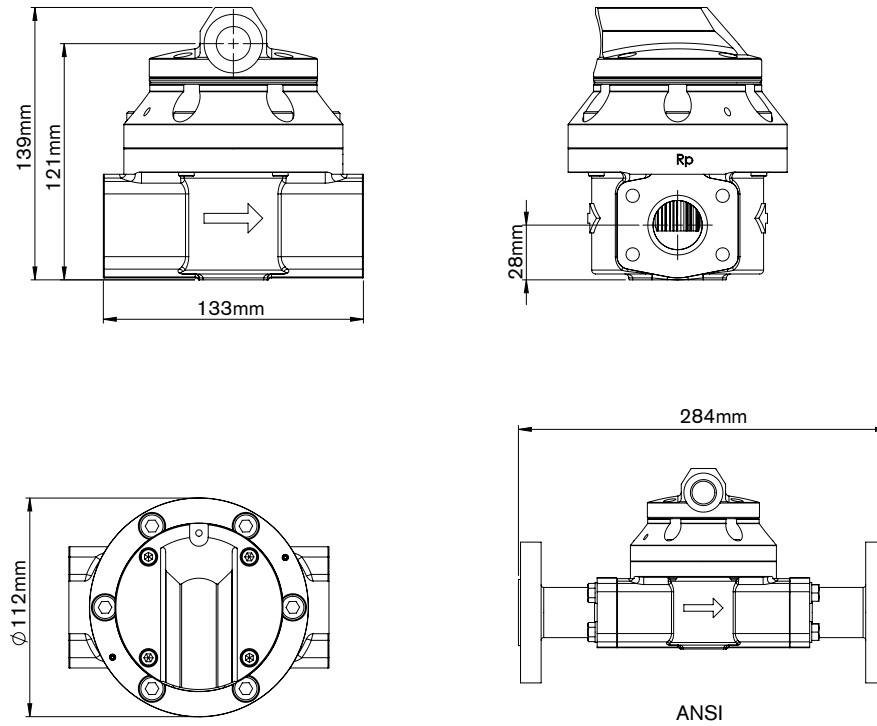
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

**Pressure subject to change as per flange rating

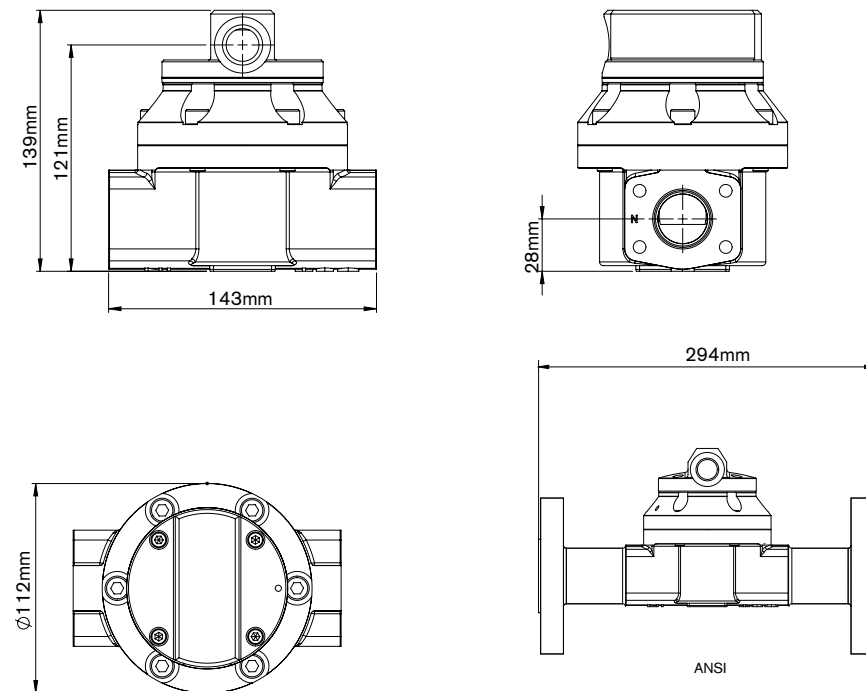
*Additional output options also available as accessories. Contact Macnaught Technical Support Team for more information

DIMENSIONS

WM10AR



WM10SS



M40 – 1 1/2" MECHANICAL METERS

SUITABLE FOR FLOW RANGE 10-250L/MIN



Output variations:



Type 3
Standard Mechanical Display



Type 4
Heavy Duty Mechanical Display

F040-1S3

Aluminium body with standard mechanical display

Designed and built to suit a broad range of industrial applications, the Macnaught 1 1/2" Mechanical Meters are suitable for flows between 10-250L/min. The 1 1/2" Mechanical Meters have an accuracy of +/- 1.0% and provides exceptional levels of reliability and durability. These meters are an ideal solution for remote sites or where ease of installation, accuracy and reliability are the priority.

SPECIFICATIONS

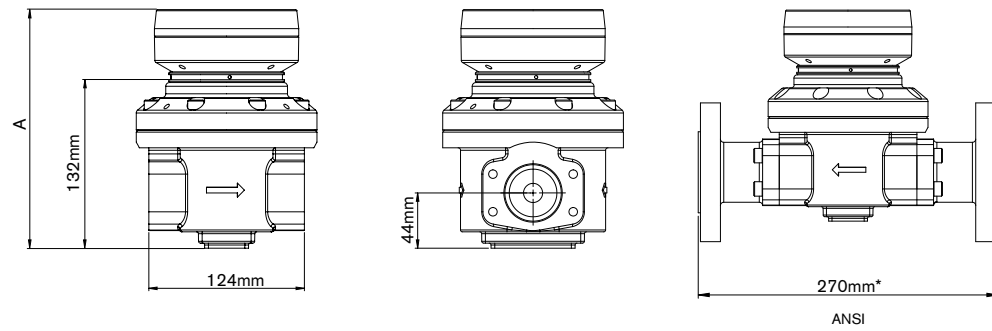
	F040		M040		S040	
Materials of Construction Meter Body Rotor Seals	Cast Aluminium		Cast Stainless Steel		Cast Aluminium	
	PPS		PPS Stainless Steel		Aluminium Stainless Steel	
	Fluorocarbon (FKM)		PTFE encapsulated (FEP)		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded 1 1/2" G 1 1/2" NPT		Threaded 1 1/2" G 1 1/2" NPT		Threaded 1 1/2" G 1 1/2" NPT	
	Flange ANSI CLASS 150 DIN PN16 JIS 10k		Flange ANSI CLASS 150 DIN PN16 JIS 10k		Flange ANSI CLASS 150 DIN PN16 JIS 10k	
Technical Specifications Flow rate Operating Temperature Range* Max. Operating Pressure** Accuracy Repeatability	<5cP 15-235L/min 4-62USG/min		<5cP 15-235L/min 4-62USG/min		<5cP 15-235L/min 4-62USG/min	
	>5cP 10-250L/min 2.6-66 USG/min		>5cP 10-250L/min 2.6-66 USG/min		>5cP 10-250L/min 2.6-66 USG/min	
	-40 - 80°C -40 - 176°F		-40 - 80°C -40 - 176°F		-40 - 120°C -40 - 248°F	
	500 psi 35 Bar		500 psi 35 Bar		500 psi 35 Bar	
	+/- 1.0%		+/- 1.0%		+/- 1.0%	
	+/- 0.03%		+/- 0.03%		+/- 0.03%	
Mechanical Display Type 3 - Standard Type 4 - Heavy Duty	Polypropylene (IP56)		Polypropylene (IP56)		Polypropylene (IP56)	
	Aluminium (IP67)		Aluminium (IP67)		Aluminium (IP67)	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

**Pressure subject to change as per flange rating

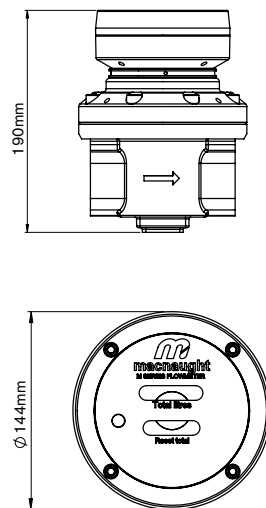
DIMENSIONS

F040
M040
S040

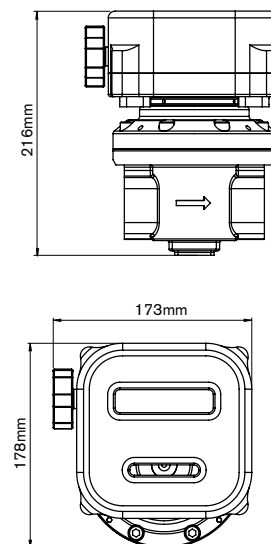


DISPLAY HEIGHT - A

TYPE 3
MECHANICAL REGISTER - STANDARD



TYPE 4
MECHANICAL REGISTER - HEAVY DUTY



*Length subject to change refer to appendix B (pg. 89) for full dimension variations

M40 – 1 ½” CUSTODY TRANSFER METERS

SUITABLE FOR FLOW RANGE 50-250L/MIN



WM40AR

Aluminium body with pulser cap



WM40SS

Stainless steel body with pulser cap

The 1 ½” Custody Transfer Meters are the medium to large capacity meter in the M-SERIES range. Suitable for flows between 50-250L/min. The 1 ½” Custody Transfer Meters are NMI approved and have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability. It has ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.

SPECIFICATIONS

	WM40AR		WM40SS	
Materials of Construction Meter Body	Cast Aluminium		Cast Stainless Steel	
	Rotor		Stainless Steel	
	Seals		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded	Flange	Threaded	Flange
	1 ½” G 1 ½” NPT	ANSI CLASS 150	1 ½” G 1 ½” NPT	ANSI CLASS 150
Technical Specifications Flow rate	50-250L/min 13-66USG/min		50-250L/min 13-66USG/min	
	Operating Temperature Range*		-40 - 120°C -40 - 248°F	
	Max. Operating Pressure**		1000 psi 69 Bar	
	Accuracy		+/- 0.5%	
	Repeatability		+/- 0.03%	
	Nominal K-Factor		14.5 Pulses/L	
Pulse Output Options Pulser Pulser	Dual Reed switch Dual Hall Switch		Dual Reed switch Dual Hall Switch	

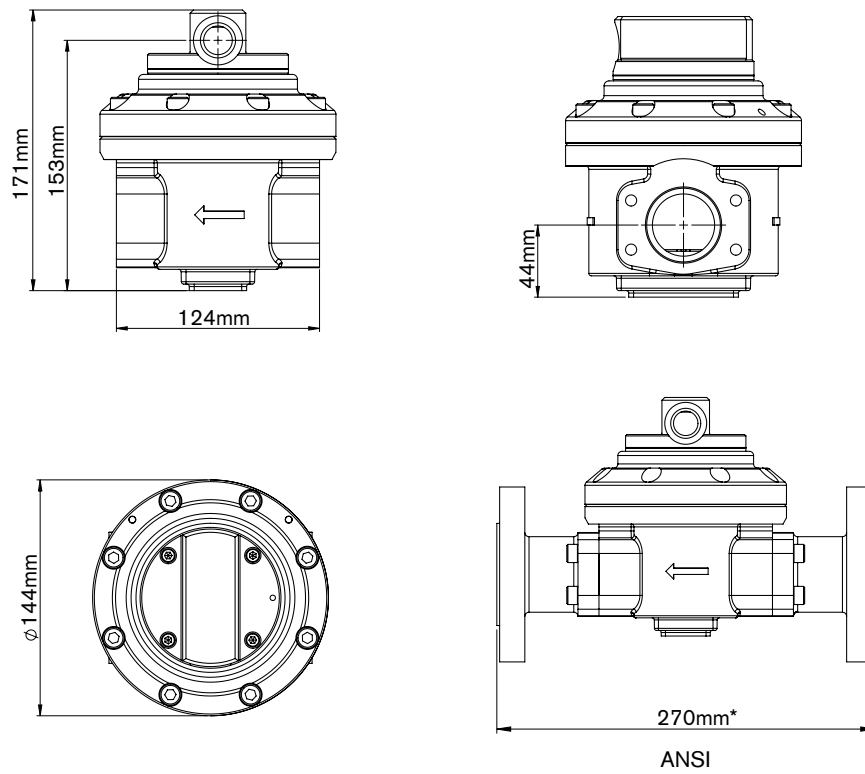
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

**Pressure subject to change as per flange rating

*Additional output options also available as accessories. Contact Macnaught Technical Support Team for more information

DIMENSIONS

WM40AR
WM40SS



*Length subject to change refer to appendix B (pg. 89) for full dimension variations
Refer to appendix B (pg. 92) for dimensions of air eliminators

M50 – 2” MECHANICAL METERS

SUITABLE FOR FLOW RANGE 15-500L/MIN



Output variations:



Type 3
Standard Mechanical Display



Type 4
Heavy Duty Mechanical Display

F050-1S3

Aluminium body with standard mechanical display and BSP thread adaptors

Designed and built to suit a broad range of industrial applications, the Macnaught 2" Mechanical Meters are suitable for flows between 15-500L/min. The 2" Mechanical Meters have an accuracy of +/- 1.0% and provides exceptional levels of reliability and durability. These meters are an ideal solution for remote sites or where ease of installation, accuracy and reliability are the priority.

SPECIFICATIONS

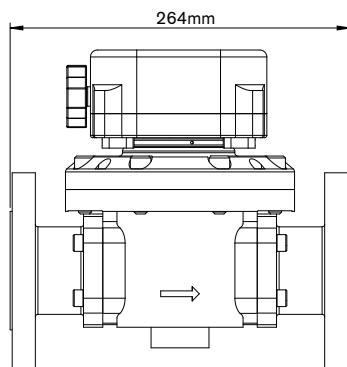
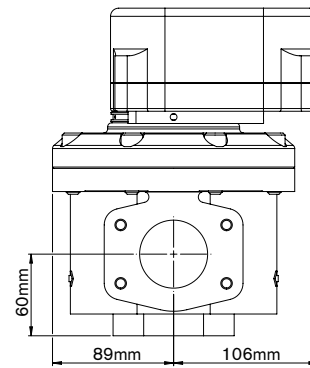
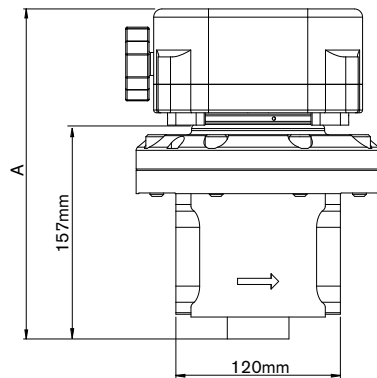
	F050		M050		S050	
Materials of Construction Meter Body	Cast Aluminium		Cast Stainless Steel		Cast Aluminium	
	Rotor		PPS Stainless Steel		Stainless Steel Aluminium	
	Seals		PTFE encapsulated (FEP)		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded 2" G 2" NPT		Threaded 2" G 2" NPT		Threaded 2" G 2" NPT	
	Flange ANSI CLASS 150 DIN PN16 JIS 10k		Flange ANSI CLASS 150 DIN PN16 JIS 10k		Flange ANSI CLASS 150 DIN PN16 JIS 10k	
Technical Specifications Flow rate	<5cP 15-500L/min 4-130USG/min		<5cP 15-500L/min 4-130USG/min		<5cP 15-500L/min 4-130USG/min	
	>5cP 15-500L/min 4-130USG/min		>5cP 15-500L/min 4-130USG/min		>5cP 15-500L/min 4-130USG/min	
	Operating Temperature Range*		-40 - 80°C -40 - 176°F		-40 - 120°C -40 - 248°F	
	Max. Operating Pressure**		500psi 35 Bar		500psi 35 Bar	
	Accuracy		+/- 1.0%		+/- 1.0%	
	Repeatability		+/- 0.03%		+/- 0.03%	
Mechanical Display Type 3 - Standard	Polypropylene (IP56)		Polypropylene (IP56)		Polypropylene (IP56)	
	Type 4 - Heavy Duty		Aluminium (IP67)		Aluminium (IP67)	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

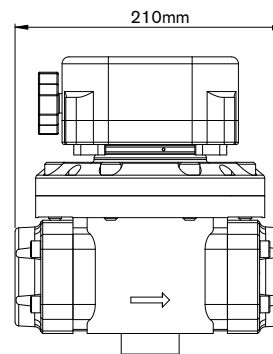
**Pressure subject to change as per flange rating

DIMENSIONS

F050
M050
S050



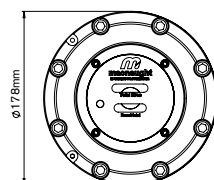
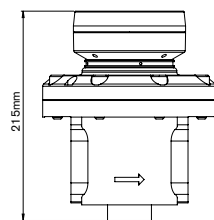
ANSI/DIN/JIS



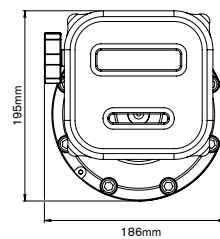
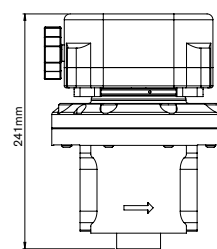
G/NPT

DISPLAY HEIGHT - A

TYPE 3
MECHANICAL REGISTER - STANDARD



TYPE 4
MECHANICAL REGISTER - HEAVY DUTY



M50 – 2” CUSTODY TRANSFER METERS

SUITABLE FOR FLOW RANGE 70-350L/MIN



WM50AR

Aluminium body with pulser cap and BSP thread adaptors



WM50SS

Stainless steel body with pulser cap and ANSI flanges

The 2” Custody Transfer Meters are the large capacity meter in the M-SERIES range. Suitable for flows between 70-350L/min. The 2” Custody Transfer Meters are NMI approved and have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability. It has ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.

SPECIFICATIONS

	WM50AR		WM50SS	
Materials of Construction Meter Body	Cast Aluminium		Cast Stainless Steel	
	Rotor		Stainless Steel	
	Seals		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded	Flange	Threaded	Flange
	2” G 2” NPT	ANSI CLASS 150	2” G 2” NPT	ANSI CLASS 150
Technical Specifications Flow rate	70-350L/min 18-92.4USG/min		70-350L/min 18-92.4USG/min	
	Operating Temperature Range*		-40 - 120°C -40 - 248°F	
	Max. Operating Pressure**		800 psi 55 Bar	
	Accuracy		+/- 0.5%	
	Repeatability		+/- 0.03%	
	Nominal K-Factor		6.68 Pulses/L	
Pulse Output Options*	Pulser		Dual Reed Switch	
	Pulsar		Dual Hall Switch	
	Pulser		Encoder	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

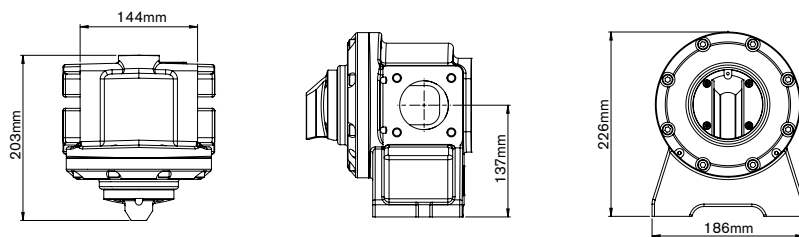
**Pressure subject to change as per flange rating

*Additional output options also available as accessories. Contact Macnaught Technical Support Team for more information

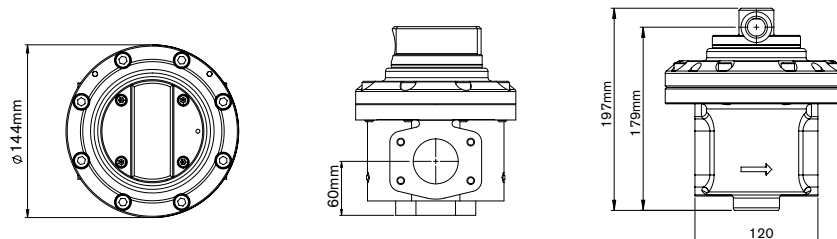
DIMENSIONS

WM50ARP

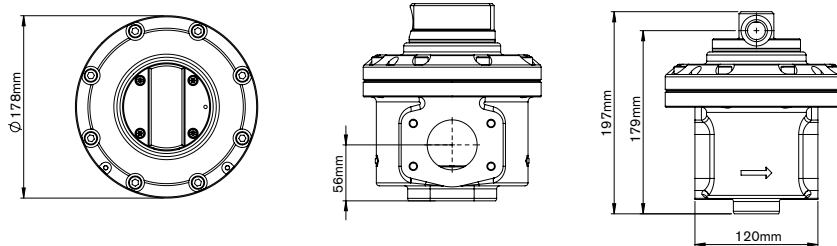
Foot Mount Option



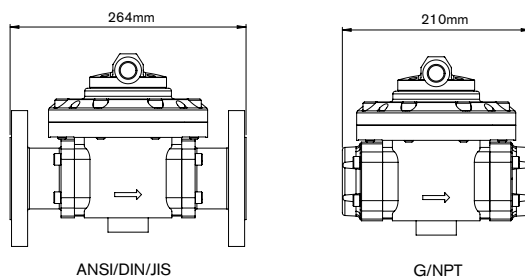
WM50ARP



WM50SSP



Flange Connections



M80 – 3” MECHANICAL METERS

SUITABLE FOR FLOW RANGE 20-733L/MIN

Output variations:



Type 4
Heavy Duty Mechanical Display



F075-1S4

Aluminium body with heavy duty mechanical display and ANSI flanges

Designed and built to suit a broad range of industrial applications, the Macnaught 3" Mechanical Meters are suitable for flows between 20-733L/min. The 3" Mechanical Meters have an accuracy of +/- 1.0% and provides exceptional levels of reliability and durability. These meters are an ideal solution for remote sites or where ease of installation, accuracy and reliability are the priority.

SPECIFICATIONS

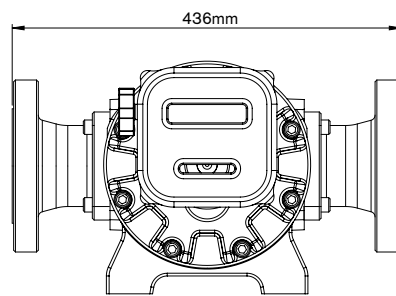
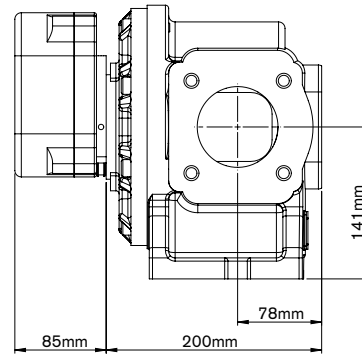
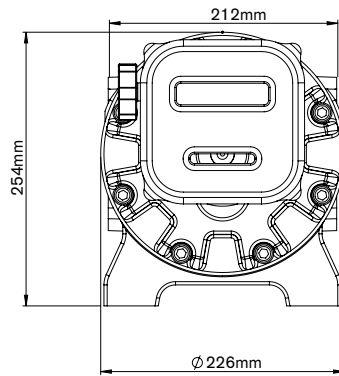
	F075		S075	
Materials of Construction Meter Body	Cast Aluminium		Cast Aluminium	
	Rotor		Aluminium	
	Seals		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded 3" G 3" NPT	Flange ANSI CLASS 150 DIN PN16 JIS 10k	Threaded 3" G 3" NPT	Flange ANSI CLASS 150 DIN PN16 JIS 10k
Technical Specifications Flow rate	<5cP 60-600L/min 17-170USG/min		<5cP 60-600L/min 17-170USG/min	
	>5cP 20-733L/min 5-194USG/min		>5cP 20-733L/min 5-194USG/min	
	Operating Temperature Range*		Operating Temperature Range*	
	-40 - 120°C -40 - 248°F		-40 - 120°C -40 - 248°F	
	Max. Operating Pressure**		Max. Operating Pressure**	
Accuracy	175 psi 12 Bar		175 psi 12 Bar	
	+/- 1.0%		+/- 1.0%	
	Repeatability		+/- 0.03%	
Pulse Output Options Type 4 - Heavy Duty		Aluminium (IP67)	Aluminium (IP67)	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

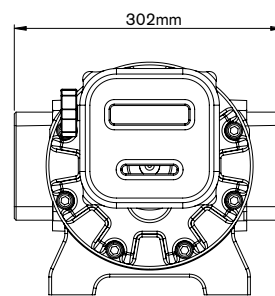
**Pressure subject to change as per flange rating

DIMENSIONS

F075
S075



ANSI/DIN/JIS



G/NPT

M80 – 3” CUSTODY TRANSFER METERS

SUITABLE FOR FLOW RANGE 140-700L/MIN



WM80AAP-3
Aluminium body with pulser cap and ANSI flanges

The 3" Custody Transfer Meters are the large capacity meter in the M-SERIES range. Suitable for flows between 140-700L/min. The 3" Custody Transfer Meters are NMI approved and have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability. It has ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.

SPECIFICATIONS

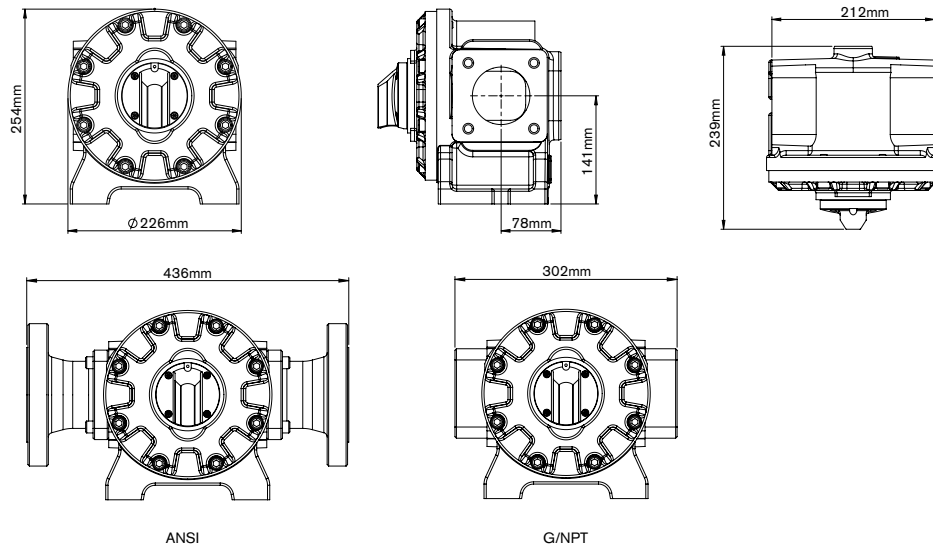
	WM80AA	
Materials of Construction Meter Body	Cast Aluminium	
	Rotor	
	Aluminium	
	Seals	
	Fluorocarbon (FKM)	
Design Specifications Process Connections	Threaded	Flange
	3" G 3" NPT	ANSI CLASS 150
Technical Specifications Flow rate	140-700L/min 36.9-184.9USG/min	
	Operating Temperature Range*	
	-40 - 120°C -40 - 248°F	
	Max. Operating Pressure**	
	175psi 12 Bar	
	Accuracy	
	+/- 0.5%	
Pulse Output Options*	Repeatability	
	+/- 0.03%	
	Nominal K-Factor	
	2.58 Pulses/L	
Pulse Output Options*	Pulser	
	Dual Reed switch	
	Pulser	
	Dual Hall switch	
Pulse Output Options*	Encoder	
	Pulsar	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations
**Pressure subject to change as per flange rating

*Additional output options also available as accessories. Contact Macnaught Technical Support Team for more information

DIMENSIONS

WM80AAP-3



Refer to appendix B (pg. 90) for dimensions of air eliminators

M100 – 4" MECHANICAL METERS

SUITABLE FOR FLOW RANGE 120-1200L/MIN



Output variations:



Type 4
Heavy Duty Mechanical Display

F100-1S4

Aluminium body with heavy duty mechanical display with ANSI flanges

Designed and built to suit a broad range of industrial applications, the Macnaught 4" Mechanical Meters are suitable for flows between 120-1200L/min. Suitable for fuels, lubricants and non-corrosive fluids of up to a viscosity of 1000cP. The 4" Mechanical Meters have an accuracy of +/- 1.0% and provides exceptional levels of reliability and durability. These meters are an ideal solution for remote sites or where ease of installation, accuracy and reliability are the priority.

SPECIFICATIONS

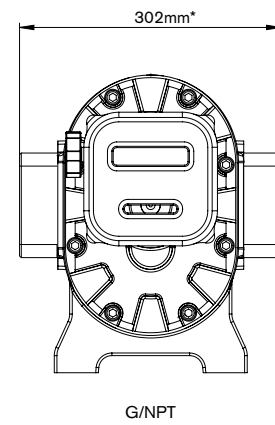
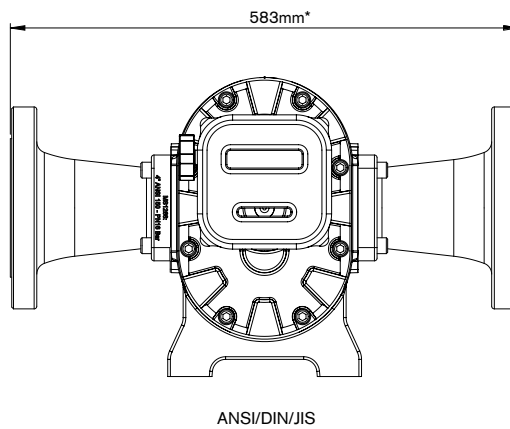
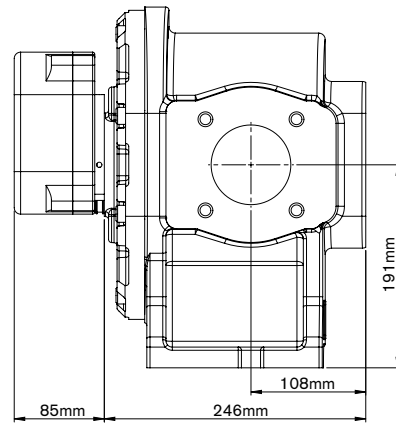
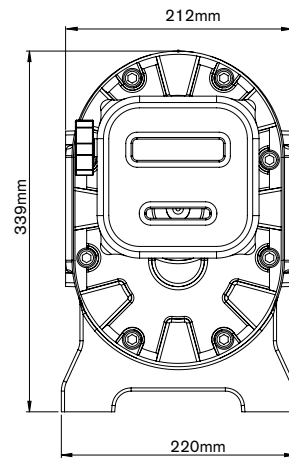
	F100		S100	
Materials of Construction Meter Body	Cast Aluminium		Cast Aluminium	
	Rotor		Aluminium	
	Seals		PTFE encapsulated (FEP)	
Design Specifications Process Connections	Threaded	Flange	Threaded	Flange
	3" G 3" NPT	4" ANSI CLASS 150 4" DIN PN16 4" JIS 10k	3" G 3" NPT	4" ANSI CLASS 150 4" DIN PN16 4" JIS 10k
Technical Specifications Flow rate	<5cP	>5cP	<5cP	>5cP
	220-1000L/min 60-250USG/min	120-1200L/min 31.7-317USG/min	220-1000L/min 60-250USG/min	120-1200L/min 31.7-317USG/min
	Operating Temperature Range*		Operating Temperature Range*	
	-40 - 120°C -40 - 248°F		-40 - 120°C -40 - 248°F	
	Max. Operating Pressure**		Max. Operating Pressure**	
	175 psi 12 Bar		175 psi 12 Bar	
Pulse Output Options Type 4 - Heavy Duty	Accuracy		Accuracy	
	+/- 1.0%		+/- 1.0%	
Pulse Output Options Type 4 - Heavy Duty	Repeatability		Repeatability	
	+/- 0.03%		+/- 0.03%	
Pulse Output Options Type 4 - Heavy Duty	Aluminium (IP67)		Aluminium (IP67)	

*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

**Pressure subject to change as per flange rating

DIMENSIONS

F100-1S4
S100-1S4



*Length subject to change refer to appendix B (pg. 89) for full dimension variations
Refer to appendix B (pg. 90) for dimensions of air eliminators

M100 – 4" CUSTODY TRANSFER METERS

SUITABLE FOR FLOW RANGE 240-1200L/MIN



WM100AAP-3

Aluminium Body with Pulser Cap with Flanges

The 4" Custody Transfer Meters are the large capacity meter in the M-SERIES range. Suitable for flows between 240-1200L/min. Suitable for fuels, lubricants and corrosive fluids (stainless steel only) of up to a viscosity of 1000cP. The 4" Custody Transfer Meters are NMI approved and have an accuracy of +/- 0.5% and provides exceptional levels of reliability and durability.

SPECIFICATIONS

WM100AA	
Materials of Construction Meter Body	Cast Aluminium
Rotor	Aluminium
Seals	Fluorocarbon (FKM)
Design Specifications Process Connections	Threaded 3" G 3" NPT
	Flange 4" ANSI CLASS 150
Technical Specifications Flow rate	240-1200L/min 63.4-317USG/min
Operating Temperature Range*	-40 - 120°C -40-248°F
Max. Operating Pressure**	175 psi 12 Bar
Accuracy	+/- 0.5%
Repeatability	+/- 0.03%
Nominal K-Factor	2.3 Pulses/L
Pulse Output Options Pulser Pulser Pulsar	Dual Reed switch Dual Hall switch Encoder

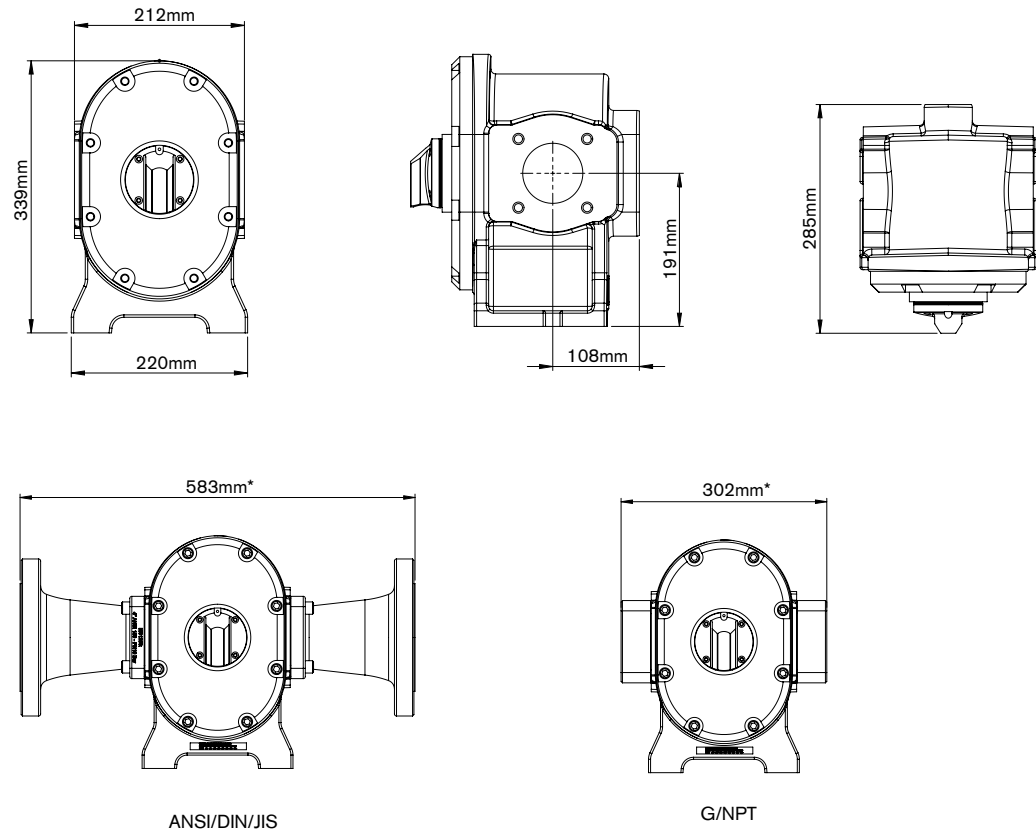
*Temperature based on standard pulse output - subject to change dependant on rotor and output type, contact Macnaught technical support for further investigations

**Pressure subject to change as per flange rating

*Additional output options also available as accessories. Contact Macnaught Technical Support Team for more information

DIMENSIONS

WM100AAP-3



*Length subject to change refer to appendix B (pg. 89) for full dimension variations
Refer to appendix B (pg. 90) for dimensions of air eliminators

macnaught flow measurement



corrosive chemical flow meters

macnaught flow measurement

The **CR** range from **Macnaught** are a family of positive displacement oval gear flowmeters that are **optimised for corrosive chemical measurement** applications.

Macnaught Corrosive Chemical meters are constructed utilising a **PTFE/PPS blend** suitable for use in aggressive chemical environments. We will also soon add a **PVDF version** to provide chemical compatibility in applications where PPS is not suitable.

Our Unique **bearing-less Rotor design** provides **exceptionally low pressure drop** and can even be used in gravity fed applications. This unique rotor design utilises PTFE/PPS blended advanced material, ensuring minimal wear and resulting in many years of reliable service. This approach has proven over time to provide consistently accurate flow measurement that is not affected by variations in temperature, viscosity, or pressure.

Another benefit of our unique rotor design is simplicity of repair. With only **2 moving parts**, our meters are simple to repair, require minimal repair parts stock, and can even be repaired inline, resulting in less downtime.

The positive displacement meter technology provides **excellent batch accuracy** (0.03% repeatability) and is **not affected by pulsating flow**, high viscosity, or low conductivity. This technology is also ideal for **dispensing and dosing** at extremely **low flow rates and small batch sizes**.

Oval Gear flowmeters do not require any flow conditioning or straight piping runs before or after the meter, so they **can be installed in tight spaces** without any sacrifice in performance.

With **9 digital display options** to choose from, Macnaught flowmeters are the perfect choice with outputs and displays to suit virtually any application requirement.

Applications

- Laundry Chemicals
- Additive Injection
- Water Treatment
- Corrosive Chemical Dispensing
- Chemical Batching
- Chemical Packaging and Blending



Meter Selection

Step 1 Verify Fluid Compatibility & Application Conditions

Determine if your fluid is compatible with the wetted parts of the meter. All Wetted parts are made from: FFKM, PPS, and Hastelloy C. Also determine if the Pressure and Temperature are within the stated limits.

Tips: If you need a mechanical register or have a high pressure application, you may be able to use our 316SS industrial meters, which come in high pressure models and are available with mechanical registers.

Step 2 Choose the model based on your flow rate *(See Flow Range Chart)*

Tips: If possible, choose a meter model where your expected flow rates fall between 20-80% of the maximum flow range for optimum performance. If you are measuring a high viscosity fluid (over 1000cp), the maximum flow range will be lower. You should consult the factory if you are unsure which model you need.

Step 3 Choose your connection thread type

Tips: For flanged meters, we offer 316SS Industrial meters, which are available with a variety of optional flange adaptors.

Step 4 Choose Pulse Output options

Tips: Choose a pulse output if you want to use a digital display. The Digital displays are listed in the next step and can either be mounted on the meter or remotely. Our standard pulse output comes with both hall effect sensor and reed switch outputs. If you are installing the meter in a hazardous environment, you can choose option "2" which will give you only one reed switch, which classifies the output of the meter as a "simple device".

Step 5 Choose Accessories *(See Chart 1)*

Tips: All of our digital displays can be mounted either locally on the meter itself, remotely on a wall, on a panel, or nearby on the piping. Just choose the functions you need and the housing type you require.

corrosive chemical flow meters

Part Number Selection

CR	Chemical Flow Meters (PPS)			
	Model	Nominal Size	Flow Range	Max Pressure
	006	1/4"	0.5-100 lph/ 0.13-26.4 gph	5 Bar/75PSI
	009	1/4"	15-500 lph/ 4-132 gph	5 Bar/75PSI
	025	1"	3-80 lpm/ 0.8-21 gpm	10 Bar/150PSI
		Port Type		
		2	NPT	
		4	BSP (Rc)	
			Rotor Type	
			S	Standard
				Display Type
				1 Electronic Pulse Meter (Reed & Hall Effect)
				2 Reed Switch Only- for Hazardous Location Service
CR	009-	4	S	1 (example part number CR009-4S1)



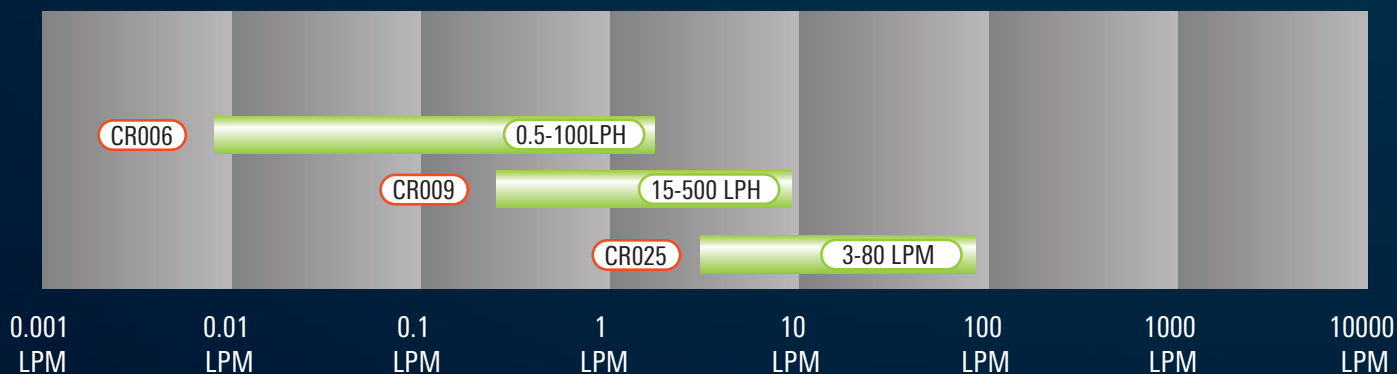
Chart 1

Digital Displays

Meter Mounted Displays	DR	DRA	ER	ERA	ERB	ERS	ERX	ERAX	ERBX
Total	■	■	■	■	■	■	■	■	■
Resettable Total	■	■	■	■		■	■	■	
Flow Rate Display	■	■	■	■		■	■	■	
Pulse Output		■		■		■		■	
4-20 mA Output (Passive)		■		■		■		■	
Alarm Outputs		■							
Batch Control (Transistor Out)					■				■
Net Use Function						■			
Intrinsic Safety							■	■	■
Aluminium Housing IP67	■	■	■	■	■	■	■	■	■
Plastic Housing									
Digit Size (mm/ in.)	12mm	12mm	17mm	17mm	17mm	17mm	17mm	17mm	17mm

Flow Range Chart

flow rate litres per minute



Technical Specifications

Materials of construction

- Meter Body
 - PPS/PTFE Blend (Type CR)
- Rotor Materials
 - PPS/PTFE Blend (Type CR)
- Seal Material
 - Perfluoro Elastomer

Total Flow Range

- 0.008 – 80 L/min
- 0.002 – 21 USG/min

Temperature Range

- -40 – 80°C / -40 - 176 °F

Display Options

- 12mm LCD digital display
- 17mm LCD digital display

Outputs options

- 4-20mA
- Transistor
- Pulse Output
- Alarm

Compliance (as applicable)

- Meters
 - CE (Certificate of Conformity)
- Displays
 - ATEX
 - IECEx

Once you have determined the most suitable Flow-meter according to your requirements, please contact macnaught to obtain your detailed 'product specification datasheet'

Trust Macnaught

Established in 1948, Macnaught has a 60 year tradition of excellence in manufacturing. Macnaught began marketing flowmeters in 1965 and has been manufacturing oval gear flowmeters since the early 1990's. Our decades of experience have resulted in a simple, robust, and highly accurate family of flowmeters that are optimised to suit a broad range of applications and markets. Macnaught offers optimised solutions for Fuel and Oil measurement, Bulk Fuel Custody Transfer, Corrosive Chemicals, Solvents, and a wide variety of other industrial liquids.

With full ISO 9001 and 14001 accreditation, you can be secure in the knowledge that quality and environmental responsibility are at the forefront of every decision at Macnaught.

Trust Macnaught to deliver the performance, value, and reliability required in today's most demanding environments. With distributors in over 60 countries and global sales support, Macnaught has become a global leader in fluid management solutions. Our focus on oval gear flow measurement reflects our commitment to excellence in providing optimised solutions for fluid management applications.

Head Office - Sydney

Macnaught Pty Ltd
41-49 Henderson St, Turrella
Sydney NSW 2205 Australia
Ph: +61-2-9567 0401
Fax: +61-2-9597 7773
email: info@macnaught.com.au
website: www.macnaught.com.au

Quality Endorsement applicable to
Macnaught Head Office Sydney Only

Macnaught USA

Macnaught USA, Inc.
614 South Ware Boulevard
Dock 14A (for deliveries)
Tampa, FL 33619
Ph: 813-628-5506
Fax: 509-694-8495
email: info@macnaughtusa.com
website: www.macnaughtusa.com

