macnaught

Model: MX19F-1SD

3/4" Oval gear flow meter designed for the measurement of Fuels and Oils.

• Aluminium construction
• Viton® (FKM) seals
• Max flow rate 80 LPM / 21 GPM
• Temperatures up to 80°C
• Accuracy +/- 0.5% (0.25% available)
• Available with BSP(Rp) or NPT process connections

Select a Flowmeter

Step 1.Size

19 (3/4")

Step 2.Family

F series - FUEL AND OIL

Step 3.Process Connection

1 - BSP (Rp)

Step 4.Rotor Type

S - Standard

Step 5.Pulser

D - 12mm LC Display

Process Connection

Port Size	3/4"
Connection Type	BSP (Rp)

Material of Construction

Body	Aluminium
Rotor	PPS
Bushing	No bushes
Seal	FKM (Viton®)

Technical Specifications

Flow Range	<5cps	>5cps
	8 - 70 LPM	3 - 80 LPM
	2 - 18.5 GPM	0.8 - 21 GPM
Max Pressure	13790 kPa	2000 psi
Temperature	-20 - 60°C	-4 - 140°F
K-Factor	Refer to Flowmeter Data Plate	
Accuracy	+/- 0.5% (0.25% available with reduced range)	
Repeatability	+/- 0.03%	

Service Kits

	Part Number	Description
Rotor Kit	MXS-19F-rotor	Rotor set and O-ring
Seal Kit	MXS-19F-seal	Meter Cap O-Ring - FKM (Viton®)

Accessories

SS Y Strainer	-
Air Eliminator/Strainer	N/A
Wall Mount Adaptor	MXA-25-WM
3 point cal check	MXA-3ptcal
Pressure test	MXA- PRESSTEST

DIGITAL DISPLAY
TYPE: D

Type PR 12mm LC Display

The PR series is a meter mounted digital register with a 12mm LCD display, providing real-time indication of Flow rate, total and accumulated total.

Construction

Material	Polypropylene	
IP Rating	67	
Mounting	Meter Mount	
Connection	M-Lock ™	
Cable Entry	2x 12mm (blind)	
Dimensions	**Height (mm)**	**Diameter (mm)**
	48 mm	99 mm

Technical Specifications

Power Supply	Battery	External Pwr Supply
	3V Lithium	-
Backup	EEPROM Flash memory	
Outputs	No	
	No	
	No	

Service Kits

Part Number	Description
MXS-PCB-PR	PCB + Housing to suit display types D, E
MXS-DIS-PR	LCD unit to suit Disply PR

LC Display

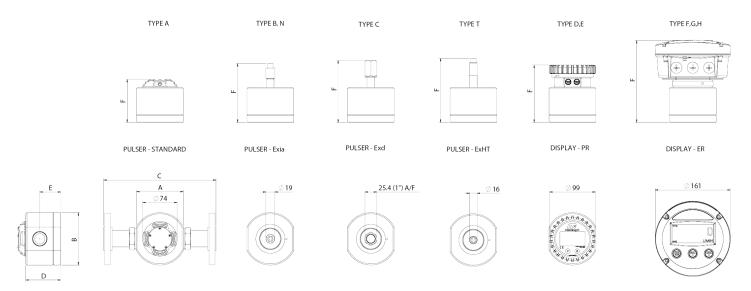| Digital Size	**Upper LCD**	**Lower LCD**	
	7 digit / 12mm	7 digit / 7mm	
Display	**Total**	**Acc Total**	**Flow Rate**
	resettable	non-resettable	User defined units

TYPE A · TYPE B, N · TYPE C · TYPE T · TYPE D,E · TYPE F,G,H

PULSER - STANDARD · PULSER - Exia · PULSER - Exd · PULSER - ExHT · DISPLAY - PR · DISPLAY - ER

Ø 74 · Ø 19 · 25.4 (1") A/F · Ø 16 · Ø 99 · Ø 161

METER SIZE	PORT SIZE	METER AND FLANGE DIMENSIONS					PULSAR AND DISPLAY HEIGHT - F					
		A	B	C	D	E	TYPE A	TYPE B, N	TYPE C	TYPE T	TYPE D,E	TYPE F,G,H
MX06	1/4"	71	74	N/A	42	25	59	93	100	104	90	143
MX09	1/4"	71	74	N/A	42	24	59	93	100	104	90	143
MX12	1/2"	81	87	N/A	49	28	66	100	107	111	97	150
MX19	3/4"	100	112	N/A	62	37	79	113	120	124	110	163
MX25	1"	100	112	240	75	45	92	126	133	137	123	176
MX40	1 1/2"	120	137	240	103	61	120	154	161	165	151	204
MX50	2"	140	163	264	124	72	141	175	182	186	172	225