

Model: MX09P-1TN



1/4" Oval gear flow meter designed for a broad range of Industrial Process applications.

- Stainless Steel construction
- FEP - Teflon® encapsulated seals
- Max flow rate 500 LPH / 132 GPH
- Temperatures up to 150°C
- Accuracy +/- 0.5% (0.25% available)
- Available with BSP(Rp) or NPT Process connections
- Suitable for high viscosity fluids

Select a Flowmeter

Step 1.Size

09 (1/4")

Step 2.Family

P series -INDUSTRIAL

Step 3.Process Connection

1 - BSP (Rp)

Step 4.Rotor Type

T - High Temp

Step 5.Pulser

N - NAMUR (approved Ex ia)

Process Connection

Port Size	1/4"
Connection Type	BSP (Rp)

Material of Construction

Body	316SS
Rotor	316SS
Bushing	Carbon
Seal	FEP (Teflon®)

Technical Specifications

Flow Range	<5cps	>5cps
	25 -500 LPH 6.6 - 132 GPH	15 -500 LPH 4 - 132 GPH
Max Pressure	6895 kPa	1000 psi
Temperature	-40 - 85°C	-40 - 185°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-09P-HTrotor	Rotor set and O-ring
Seal Kit	MXS-09P-seal	Meter Cap O-Ring - FEP (Teflon®)

Accessories

SS Y Strainer	YS800-01
Air Eliminator/Strainer	N/A
Wall Mount Adaptor	MXA-06-WM
3 point cal check	MXA-3ptcal
Pressure test	MXA- PRESSTEST

PULSER OUTPUT

TYPE: N



Intrinsically Safe

Rated Ex ia, the intrinsically safe Sensor (NAMUR) is approved for use in hazardous areas.

Construction

Material	CuZn Chrome Plated	
IP Rating	67	
Mounting	Meter Mount	
Connection	M12 2-wire	
Dimensions	Height (mm)	Diameter (mm)
	62 mm	12 mm

Technical Specifications

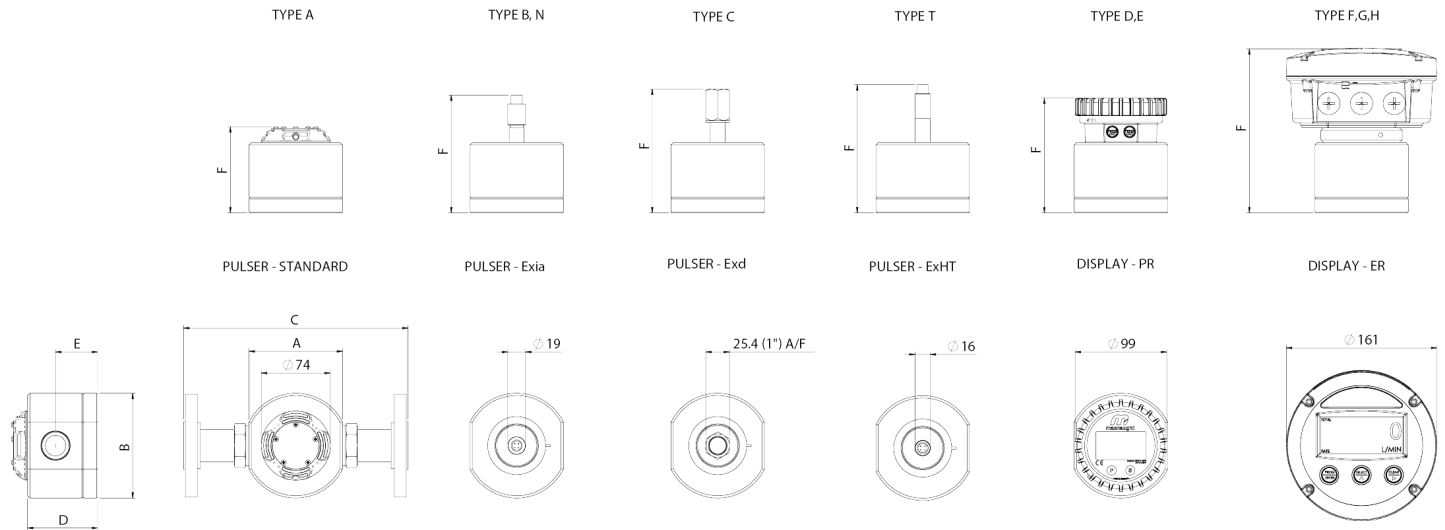
Switch Type	NAMUR (approved Ex ai)	
Approvals	Intrinsically Safe	
	II G Ex ia IIC T6 Ga (ATEX, IECEx)	
Power Supply	Voltage (VDC)	Current (mA)
	NAMUR	8 to 15V DC
	Coil	-

Service Kits

Part Number	Description
MXD-NS	MX Intrinsically safe Pulser (Ex ia)

Dimensions

MX09P-1TN



METER SIZE	PORT SIZE	METER AND FLANGE DIMENSIONS					PULSER 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