

macnaught PRODUCT ANNOUNCEMENT

HIGH VISCOSITY PPS ROTORS

NOW AVAILABLE IN MX-SERIES

The MX-SERIES range of oval gear flow meters feature:

- High precision billet construction for enhanced material integrity and process reliability.
- Programmable digital display and pulse output options.
- Unique bayonet assembly for added versatility and flexibility.

Macnaught is proud to now extend its range of High Viscosity to include Polyphenylene Sulfide (PPS) rotors. These rotors are a more economical solution for the volume measurement of highly viscous chemicals and fluids.



ADVANTAGES:

Benefits of specifying MX-SERIES flow meters with PPS High Viscosity Rotors:

- Reduced pressure drop for higher viscosity fluids.
- Low cost of ownership compared to other flow measurement technologies.
- Chemically resistant across a wide range of media, including solvents.
- Available in both aluminium and stainless steel housings.
- Self lubricating, bearing-less design means less complexity.
- Lighter weight for reduced moment of inertia, allowing for greater response in changing flow conditions.

COMMON APPLICATIONS:

- Epoxy/glues • Shampoos, gels and creams • Sealants and adhesives
- Resins • Syrups • Liquid sugar • Grease • Heavy crude oil • Molasses
- Chemical additives • Polymers • Detergents, soaps and polish

MX25F-1HA

MX25

MX PORT SIZE	
09	1/4"
12	1/2"
19	3/4"
25	1"
40	1 1/2"
50	2"

1

PORT CONNECTIONS	
1	G
2	NPT
3	ANSI 150
4	JIS 10K
5	DIN PN16

A

OUTPUT TYPE	
X	No Output
A	Standard Output
B	Ex approved (Ex ia)
D	PR (LCD 12mm display)
E	PRA (LCD 12mm display)
F	ER (LCD 17mm display)
G	ERA (LCD 17mm display)
H	ERB (LCD 17mm display)
N	Ex approved (Ex ia NAMUR)
T	High Temperature
I	Reed/Hall
J	Hall effect/Hall effect
K	High Resolu on

F

MATERIALS OF CONSTRUCTION CATEGORY (METER/ROTOR/SEAL)	
F	AL/PPS/FKM
P	SS/PPS/FEP

H

ROTOR	
S	Standard
T	High Temperature
V	High Viscosity
H	High Viscosity PPS

MX	PORT SIZE	STANDARD FLOW RATES (< 5cP)	
06	1/4"	0.5-100 L/min	0.13-26 GPM
09	1/4"	15-500 L/min	4-132 GPM
12	1/2"	2-30 L/min	0.5-8 GPM
19	3/4"	3-80 L/min	0.8-21 GPM
25	1"	6-120 L/min	1.6-32 GPM
40	1 1/2"	10-250 L/min	2.6-66 GPM
50	2"	15-500 L/min	4-130 GPM
75	3"	20-733 L/min	5-194 GPM
100	4"	120-1200 L/min	31.7-317 GPM

MATERIALS OF CONSTRUCTION		
	CATEGORY (METER/ROTOR/SEAL)	MODELS
F	AL/PPS/FKM	MX06-50
	AL/AL/FKM	MX75-100
P	SS/PPS/FEP	MX06-50
S	AL/SS/FEP	MX06-25
	AL/AL/FEP	MX40-100

	PORT CONNECTIONS	MODELS
1	G	All models*
2	NPT	
3	ANSI 150	
4	JIS 10K	MX25-100
5	DIN PN16	

*For 100 sized flow meters, threaded connections are 3"

	ROTOR	MODELS
S	Standard	As per category
T	High Temperature	MX06P-MX50P
V	High Viscosity	S and P Category, MX09 to MX100
H	High Viscosity PPS	F and P Category, MX09 to MX50

	OUTPUT	MODELS
X	No Output	All models
A	Standard Output	All models
B	Ex approved (Ex ia)	Consult Macnaught technical support before ordering
C	Ex approved (Flameproof ExD)	Consult Macnaught technical support before ordering
D	PR (LCD 12mm display)	All models
E	PRA (LCD 12mm display)	All models
F	ER (LCD 17mm display)	All models
G	ERA (LCD 17mm display)	All models
H	ERB (LCD 17mm display)	All models
N	Ex approved (Ex ia NAMUR)	Consult Macnaught technical support before ordering
T	High Temperature	S and P Category. 'T' type rotors must be used
I	Reed/Hall	Consult Macnaught technical regarding availability
J	Hall effect/Hall effect	
K	High Resolution	

LAUNCH DATE:

Stock Availability: 5-7 Business Days

Quotations: Please contact info@macnaughtusa.com for a quote

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