

metem

FLOW METERS

CHEMICAL FLOW METERS FOR MOST DEMANDING APPLICATIONS

IOTA Flow Systems brings you their METCM range of flow meters with most reliable and well proven metering technology i.e. Ring Piston Design - Positive Displacement Flow Meter to you. Now you can ensure correct receipts of Chemicals, monitor the consumption figures of Chemicals becoming expensive with each passing day makes conservation rewarding. And first step towards conservation is metering.

Applications:

- Chemicals
- Unloading
- Transfer
- Batch Control

Features:

- Ring Piston design – well proven
- Positive displacement - it is highly accurate
- Independent of viscosity and temperature
- Low pressure drop - can work under gravity as well
- Vibration resistant
- No straight length required upstream or downstream – easy on installation
- Few moving parts
- Large range: 30 ~ 48000 LPH

Options:

- Mechanical read out - shall be available soon
- Electronic readout, Pulse output, 2 Totalizers
- Electronic read out 24 VDC powered, Analog output, Digital output, Frequency Output, 2 Totalizers - shall be available soon
- Switching on flow rate - shall be available soon
- Flanged / Screwed end
- Pressure Ratings: 16 bar, 25 bar, 40 bar
- IP 65, Flame proof, GrI, IIA, IIB, CMRI certified



flow metering at its best ...

Nominal Diameter	Unit	DN15	DN20	DN25	DN40	DN50	DN80
Min Flowrate	lph	15	30	100	300	600	1200
Normal Flowrate	lph	500	1000	2000	6000	12000	24000
Max Flowrate	lph	750	1500	4000	12000	24000	48000
Minimum counter registration	Litres	0.1	0.1	0.1	1	1	1
Indicating range	Litres	999999	999999	999999	9999999	9999999	9999999
Temperature	deg C	130 / 180	130 / 180	130 / 180	130 / 180	130 / 180	130 / 180
Nominal Pressure	bar	16 / 25 / 40	16 / 25 / 40	16 / 25 / 40	25 / 40	25 / 40	25 / 40
Connection		Screwed / Flanged	Screwed / Flanged	Screwed / Flanged	Flanged	Flanged	Flanged

Selection of Suitable Positive Displacement Flow Meter

RPD		XX	X	X	X	X	X	X	X	X	X	X	X	X	X
Size	DN 10 to DN 80														
Display Type	Mechanical		M												
	Digital Flow Rate only		F												
	Digital Flow Rate & Total		D												
Body Material	Cast Iron		C												
	SS 304		S												
	SS 316		F												
Measuring Chamber Material	Brass			B											
	SS 304			S											
	SS 316			F											
	PTFE			P											
Piston Material	Anodized Aluminium				A										
	SS 304				S										
	SS 316				F										
	PTFE				P										
	Hard Rubber				H										
	Graphite				G										
Temp. Suitability	130 C						130								
	180 C						180								
Accuracy	1.0 %							1							
	0.50%							0.5							
Seals	FPM								F						
	PTFE								P						
	FFKM								K						
Output	No output									O					
	4-20 mA									A					
	Pulse									D					
Input	5 VDC										L				
	10 - 30 VDC										V				
	Battery										B				
Pressure	16 bar												16B		
	25 bar												25B		
	40 bar												40B		
End Connection	Screwed													S	
	Flanged PN 16														PN16
	Flanged PN 25														PN25
	Flanged PN 40														PN40
	Flanged # 150														150
	Flanged # 300														300
Display Enclosure	IP63														A
	IP65														B
	Ex-proof														E
	IP66														C



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