

KYTOLA® Model MP Metal Tube Flow Meter is designed to withstand rough conditions. It is compatible with a wide range of liquids or gases.

Reliable and accurate flow measurement is based on a variable area metering principle using a free-floating float.



- Stainless steel wetted parts
- High pressure and temperature resistance
- Withstands aggressive media
- ATEX version (II 2GD c TX) as option



ISO 9001:2008 ISO 14001:2004

## METAL TUBE FLOW METER MP

### FEATURES

- Reliable operation
- Compact and robust design
- Clear scale

### TYPICAL APPLICATIONS

- Chemical and petrochemical industry
- Power plants
- General flow measurements

### OPTIONS

- Low and high flow alarms
- BSP or NPT connections
- Stainless steel AISI 316L display housing

Model	MP
Flow tube	Stainless steel AISI 316L
Connectors	Stainless steel AISI 316L
Float	Stainless steel AISI 316L
Display housing	Aluminium (*Stainless steel AISI 316L)
Display housing window	Polycarbonate (*Borosilicate glass)
Seals	Viton® in option "W" (*EPDM)
Max pressure	3400 psi (235 bar) without valve 1450 psi (100 bar) with valve
Max temperature	+300°F (+150°C) without alarm sensors, borosilicate glass window +239°F (+115°C) without alarm sensors, polycarbonate window +212°F (+100°C) with NAMUR alarm sensors +158°F (+70°C) with PNP alarm sensors
Connections	NPT/BSP/BSPT 1/4" or 1/2" depending on range
Weight	2 lbs (920 g) with valve / 1.5 lbs (700 g) without valve
Accuracy	± 5% F.S. (H <sub>2</sub> O +20°C) *) Special construction on request

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Flow Range	H <sub>2</sub> O (GPH)	Air (SCFH)	BSP/NPT	
0.25 – 2.5	2 – 11	1/4"	10	
0.5 – 4	2 – 18	1/4"	16	
0.5 – 6.5	5 – 30	1/4"	25	
1 – 11	5 – 45	1/4"	40	
2 – 16	10 – 70	1/4"	60	
2.5 – 25	10 – 110	1/4"	100	
5 – 45	20 – 180	1/2"	160	
5 – 65	20 – 280	1/2"	250	
10 – 100	50 – 450	1/2"	400	

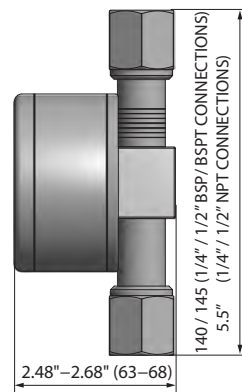
Scale	
H <sub>2</sub> O (LPH) at +20°C	B
H <sub>2</sub> O (GPH) at +70°F	N
Air (NLPH) at +20°C / 1.013 bar abs	K
Air (SCFH) at +70°F / 14.7 psia	V

Flow Adjusting Valve	
With flow adjusting valve	W
Without flow adjusting valve	O

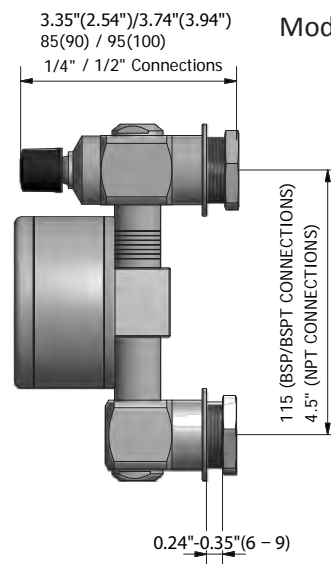
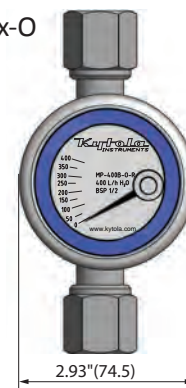
Connections	
BSP 1/4" or 1/2" depending on range	R
NPT 1/4" or 1/2" depending on range	N
BSPT 1/4" or 1/2" depending on range	P

Special Features	
Alarm, lower limit, Namur, 8 VDC nominal	1
Alarm, upper limit, Namur, 8 VDC nominal	2
Alarm, lower and upper limit, dual Namur, 8 VDC nominal	3
Lower limit switch, PNP, 10–30 VDC, 3-wire (NC)	7
Upper limit switch, PNP, 10–30 VDC, 3-wire (NC)	8
Lower and upper limit switch, PNP, 10–30 VDC, 3-wire (NC)	9
Aluminium display housing, polycarbonate glass (standard)	*
Stainless steel AISI 316 display housing, borosilicate glass	H
Aluminium display housing, borosilicate glass	L
EPDM seals, max temperature +266°F (130°C)	Y
ATEX version, with AISI 316 display housing, borosilicate glass (if alarm sensors required, only options 1, 2 and 3 allowed)	Z

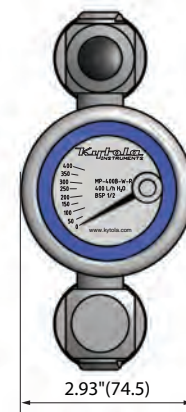
\*) Leave empty



Model MP-xx-O



Model MP-xx-W



All measures in inches (millimetres) if not stated otherwise  
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