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KYTOLA® Model MP Metal Tube Flow Meter is designed to withstand rough conditions. It is compatible with a wide range of liquids and 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 ISO 14001

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

NPT, G or Rc thread connections

Stainless steel AISI 316L display housing

MP TECHNICAL DATA

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	G/NPT/Rc 1/4" or 1/2" depending on range
Weight	2 lb (920 g) with valve / 1.5 lb (700 g) without valve
Accuracy	±5% F.S. H_2O, +70°F (+20°C)
	*) Special construction on request

MP– ☐ ☐ – ☐ – ☐ – ☐

Flow Range

H_2O (USGPH)	H_2O (L/h)	Air (SCFH)	Air (NL/h)	G/NPT/Rc	
0.2 – 2.6	1 – 10	2 – 12	60 – 320	1/4"	**10**
0.25 – 4.25	1 – 16	2 – 19	50 – 500	1/4"	**16**
0.5 – 6.5	1 – 25	4 – 30	100 – 750	1/4"	**25**
0.5 – 11	2 – 42	2 – 46	100 – 1200	1/4"	**40**
1 – 17	5 – 65	5 – 70	200 – 1900	1/4"	**60**
2 – 26	5 – 100	5 – 110	200 – 3000	1/4"	**100**
2.5 – 45	10 – 170	10 – 180	250 – 4750	1/2"	**160**
5 – 65	25 – 250	20 – 280	500 – 7500	1/2"	**250**
10 – 110	40 – 400	25 – 450	1000 – 12000	1/2"	**400**

Scale

H_2O (L/h) at +20°C	**B**
H_2O (USGPH) at +70°F	**N**
Air (NL/h) at +20°C / 1.013 bar (abs)	**K**
Air (SCFH) at +70°F / 14.7 psia	**V**

Flow Adjusting Valve

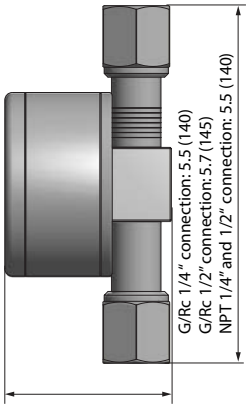
With flow adjusting valve	**W**
Without flow adjusting valve	**O**

Connections

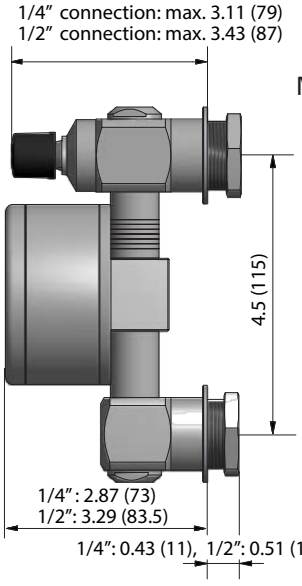
G 1/4" or 1/2" depending on range	**R**
NPT 1/4" or 1/2" depending on range	**N**
Rc 1/4" or 1/2" depending on range	**P**

Special Features

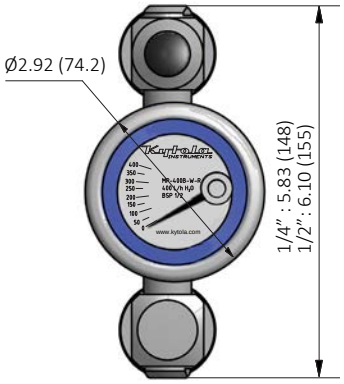
Alarm, lower limit, NAMUR, 8 VDC nominal	**1**
Alarm, upper limit, NAMUR, 8 VDC nominal	**2**
Alarm, lower and upper limit, dual NAMUR, 8 VDC nominal	**3**
Lower limit switch, PNP, 10–30 VDC, 3-wire (NC)	**7**
Upper limit switch, PNP, 10–30 VDC, 3-wire (NC)	**8**
Lower and upper limit switch, PNP, 10–30 VDC, 3-wire (NC)	**9**
Aluminium display housing, polycarbonate glass (standard)	*leave blank*
Aluminium display housing, borosilicate glass	**L**
Aluminium display base plate, AISI 316 display housing cover, borosilicate glass	**X**
EPDM seals, max temperature +266°F (130°C)	**Y**
ATEX version (if alarm sensors required, only options 1, 2, 3 allowed); choose display option L or X	**Z**



MP-xx-O



MP-xx-W



All measures in inches (millimetres) if not stated otherwise

Kytola INSTRUMENTS
www.kytola.ca

MANAGEMENT SYSTEM CERTIFICATION DNV·GL ISO 9001 = ISO 14001

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