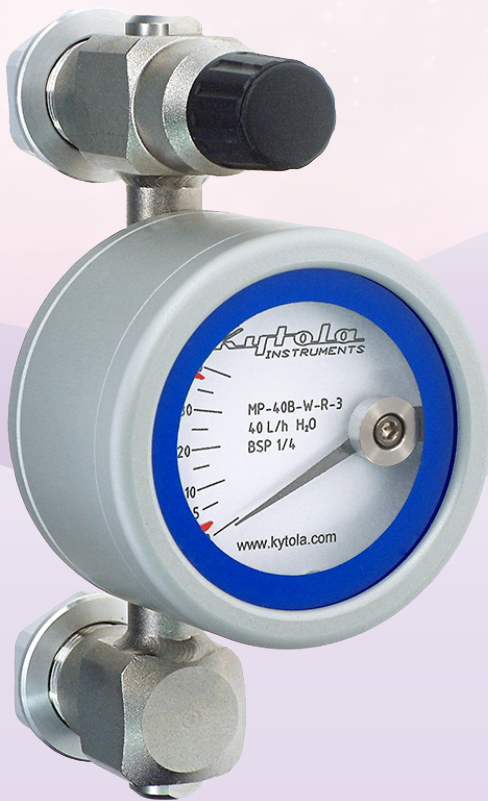


KYTOLA® Model MP Metal Tube Flow Meter is designed to withstand rough conditions. It is compatible with a wide range of liquids or gases.

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 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

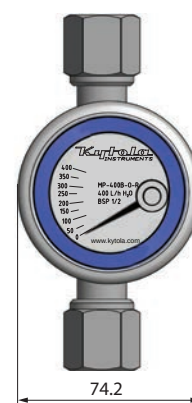
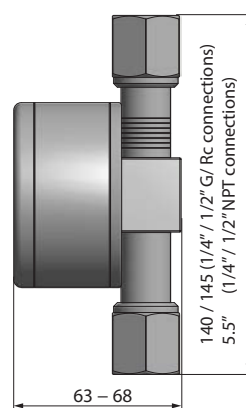
OPTIONS

- Low and high flow alarms
- Connections G / NPT / Rc
- Stainless steel AISI 316L display housing

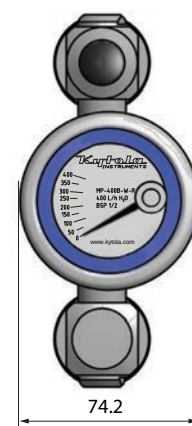
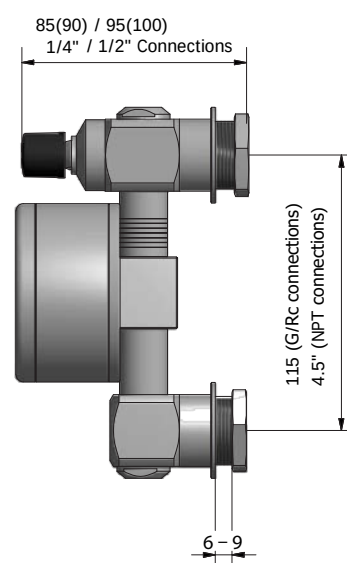
Model	MP
Flow tube	Stainless steel AISI 316L
Connectors	Stainless steel AISI 316L
Float	Stainless steel AISI 316L
Display housing	Aluminium (*Stainless steel AISI 316L)
Display housing window	Polycarbonate (*Borosilicate glass)
Seals	Viton® in option "W" (*EPDM)
Max pressure	235 bar without valve 100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

MP- - - - 			
Flow Range H ₂ O (L/h)	Air (NL/h)	G/NPT/Rc	
1 – 10	60 – 320	1/4"	10
1 – 16	50 – 500	1/4"	16
1 – 25	100 – 750	1/4"	25
2 – 42	100 – 1200	1/4"	40
5 – 65	200 – 1900	1/4"	60
5 – 100	200 – 3000	1/4"	100
10 – 170	250 – 4750	1/2"	160
25 – 250	500 – 7500	1/2"	250
40 – 400	1000 – 12000	1/2"	400
Scale			
H ₂ O (L/h) at +20°C			B
Air (NL/h) at +20°C / 1.013 bar (abs)			K
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			
Lower limit switch, NAMUR			1
Upper limit switch, NAMUR			2
Lower and upper limit switch, NAMUR			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 (<i>standard, leave blank</i>)			
Aluminium display housing, borosilicate glass			L
Aluminium display base plate, AISI 316 display housing cover, borosilicate glass			X
EPDM seals (max temperature 130°C)			Y
ATEX version (if alarm sensors required, only options 1, 2 and 3 allowed); choose display option L or X			Z

Model MP-xx-O



Model MP-xx-W



KYTOLA® Model ML Metal Tube Flow Meter is designed for medium and large liquid flows in rough conditions.

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
- Scales up to 2 500 – 25 000 L/h (H₂O)
- ATEX version (II 2GD c TX) as option



ISO 9001 ISO 14001

NEW

METAL TUBE FLOW METER ML

FEATURES

- Reliable operation
- Compact and robust design
- Flange connections
- Clear scale

TYPICAL APPLICATIONS

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

OPTIONS

- Low and high flow alarms
- Threaded connections
- Stainless steel AISI 316L display housing

DIMENSIONS, WEIGHTS AND PRESSURE CLASSES

All weights with aluminium display housing, with stainless steel display housing add 1.6 kg.

DIN/EN						
Size DN	PN	A (mm)	B (mm)	C (mm)	ID (mm)	Weight (kg)
25	40	183	165	108	35	4.6
50	40	208	209	127	68	8.6

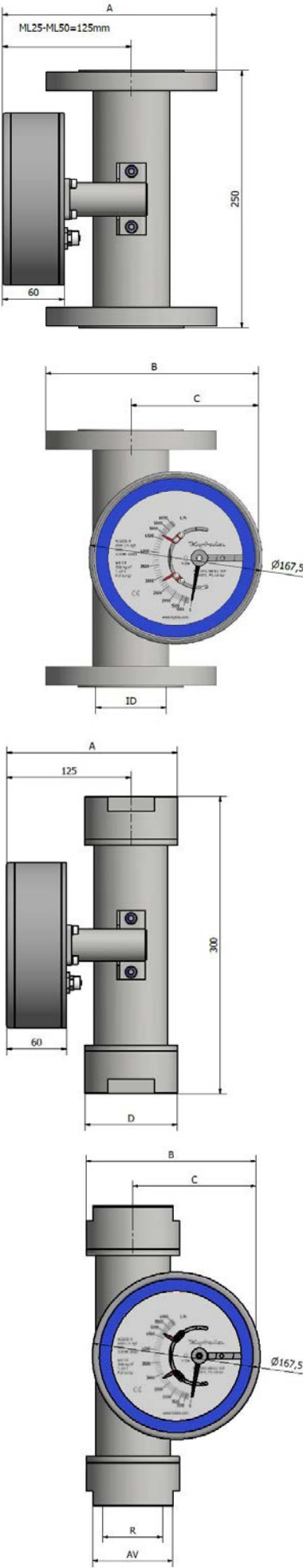
ANSI/ASME 150 lbs						
Size	CL	A (mm)	B (mm)	C (mm)	ID (mm)	Weight (kg)
1"	150	179	162	108	35	3.8
2"	150	201	203	127	68	7.5

ANSI/ASME 300 lbs						
Size	CL	A (mm)	B (mm)	C (mm)	ID (mm)	Weight (kg)
1"	300	187	170	108	35	4.8
2"	300	208	209	127	68	8.9

JIS 10 kg/cm²						
Size	K	A (mm)	B (mm)	C (mm)	ID (mm)	Weight (kg)
1"	10	188	171	108	35	4.4
2"	10	203	204	127	68	7.0

JIS 20 kg/cm²						
Size	K	A (mm)	B (mm)	C (mm)	ID (mm)	Weight (kg)
1"	20	188	171	108	35	4.4
2"	20	206	204	127	68	6.7

G/NPT/Rc female thread							
Size R	PN	A (mm)	B (mm)	C (mm)	D (mm)	AV (mm)	Weight (kg)
1"	40	155	138	108	60	50	3.7
2"	40	172	173	127	93	80	6.3



ML

TECHNICAL DATA

Model	ML
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	Borosilicate glass
Seals	Viton®
Pressure class	DN25 – DN50 flanges 40 bar ANSI/ASME flanges 150 or 300 lbs JIS flanges 10 or 20 kg/cm ²
Max process temperature	+110°C without alarm sensors +100°C with NAMUR alarm sensors +80°C with PNP/NPN alarm sensors
Max ambient temperature	+80°C
Connections	DIN/EN flanges ANSI/ASME flanges JIS flanges G/NPT/Rc female threads
Accuracy	±5% F.S. (H ₂ O at +20°C)
*) Special construction on request	

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Kytola
INSTRUMENTS

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