

design features

- ✓ Heavy duty stainless steel.
- ✓ Thick polycarbonate safety shields.
- ✓ Fluted or plain tapered tubes.
- ✓ Direct reading metric and English system scales.
- ✓ Unique design facilitates ease of maintenance cleaning processes.

Heavy-duty flow meters are fully enclosed in a brushed stainless steel case. Ideal for industrial applications with flow rates of up to 116 GPM / 440 L/min and 250 SCFM / 7080 L/min. Used for flow measurements of liquids (water) and gases (air).



Meters are graduated for direct reading of water and air. Flow meters come with FNPT or flanged end fittings for easy in-line installation. Wetted parts include borosilicate glass flow tubes, Viton® o-rings, and 316 Stainless steel fittings, guide rods, floats and float stops.

Flanged
M Style Meter



In Line
M Style Meters

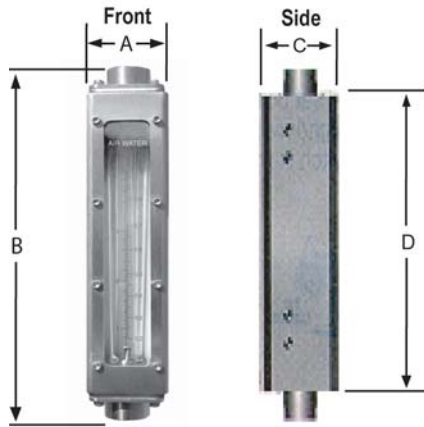
SPECIFICATIONS

ACCURACY	±3% of full scale.
MINIMUM FLOW RATE	Approximately 10% of maximum flow rate.
REPEATABILITY	±0.5% of full scale.
MAXIMUM PRESSURE AT 200°F (93°C)	200 psig / 9.6 bars (tube sizes 3, 4, 5 and 6). 125 psig / 14.8 bars (tube sizes 8 and 9).
MAXIMUM OPERATING TEMPERATURE	200 °F (93 °C).

**MATERIALS OF CONSTRUCTION

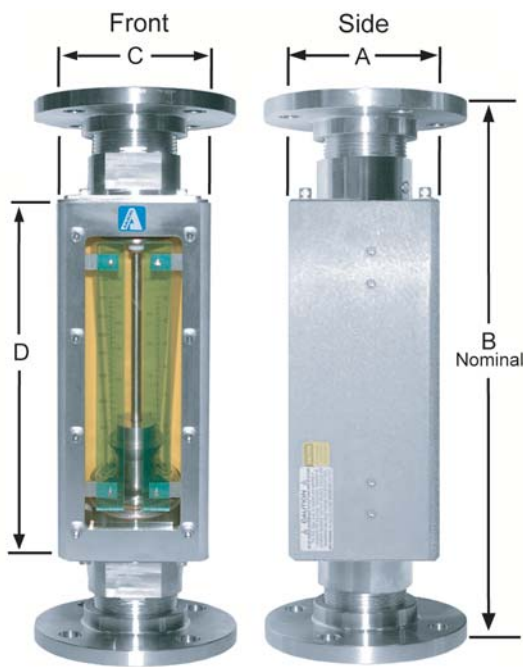
FLOW TUBES	Heavy walled borosilicate glass.
FITTINGS IN CONTACT WITH FLUIDS	316 Stainless Steel.
FRONT SHIELD	Thick clear polycarbonate and white acrylics.
O-RINGS	Viton®.
OPTIONAL	PTFE/ Kalrez®, EPR.
CONNECTIONS	IN LINE: 1/2", 1-1/2", 2", NPT. FLANGED: 3/4", 1-1/2", 2-1/2".

**The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.



DIMENSIONS FOR IN-LINE M STYLE METERS

NPT (F)	A	B	C	D
1/2"	2	9.54	2.25	8.04
1"	3.5	13.69	3.75	10.50
2"	5	15.59	5.25	11.55



DIMENSIONS FOR FLANGED M STYLE METERS

Flange Size	A	B (Nominal)	C	D
3/4"	2	9.58	2.25	8.04
1.5"	3.5	14.15	3.75	10.50
2.5"	5	17.98	5.25	11.55

IN LINE M STYLE METERS

CATALOG NUMBER	MAX FLOW RATE				PRESSURE DROP (OF H ₂ O)	NPT CONNECTION
	WATER (GPM)	AIR (SCFM)	WATER (L/min)	AIR (L/min)		
MS-VJ-M01-02-ST	0.25	1.2	.95	35	-	1/2"
MS-VJ-M02-02-ST	0.36	1.7	1.3	50	2	
MS-VJ-M03-02-ST	0.76	3.3	3.0	90	5	
MS-VJ-M04-02-ST	1.0	4.2	3.7	120	6	
MS-VJ-M05-02-ST	1.5	6.5	5.6	180	-	
MS-VJ-M06-02-ST	2.2	8.5	8.2	250	10	
MS-VK-M07-02-ST	3.8	16	14	475	10	1"
MS-VK-M08-02-ST	5.0	21.5	18	650	14	
MS-VK-M09-02-ST	6.0	25.5	20	725	5	
MS-VK-M10-02-ST	7.4	30	27.5	900	6	
MS-VK-M11-02-ST	9.6	40	35	1200	10	
MS-VK-M12-02-ST	11	47.5	40	1400	13	
MS-VK-M13-02-ST	14	62	50	1800	24	2"
MS-VK-M14-02-ST	20	90	75	2600	39	
MS-VL-M15-02-ST	22	90	83	2550	16	
MS-VK-M16-02-ST	26	-	98	-	70	
MS-VQ-M17-02-ST	41	160	155	4531	5	
MS-VL-M18-02-ST	44	180	167	5098	30	
MS-VQ-M19-02-ST	60	245	227	6938	16	2"
MS-VL-M20-02-ST	61	250	231	7080	40	
MS-VQ-M21-02-ST	86	-	326	-	25	
MS-VQ-M22-02-ST	116	-	439	-	45	

FLANGED M STYLE METERS

CATALOG NUMBER	MAX FLOW RATE				PRESSURE DROP (OF H ₂ O)	FLANGE CONNECTION
	WATER (GPM)	AIR (SCFM)	WATER (L/min)	AIR (L/min)		
MS-VR-M01-02-ST	0.25	1.2	.95	35	-	3/4"
MS-VR-M02-02-ST	0.36	1.7	1.3	50	2	
MS-VR-M03-02-ST	0.76	3.3	3.0	90	5	
MS-VR-M04-02-ST	1.0	4.2	3.7	120	6	
MS-VR-M05-02-ST	1.5	6.5	5.6	180	-	
MS-VR-M06-02-ST	2.2	8.5	8.2	250	10	
MS-VS-M07-02-ST	3.8	16	14	475	10	1-1/2"
MS-VS-M08-02-ST	5.0	21.5	18	650	14	
MS-VS-M09-02-ST	6.0	25.5	20	725	5	
MS-VS-M10-02-ST	7.4	30	27.5	900	6	
MS-VS-M11-02-ST	9.6	40	35	1200	10	
MS-VS-M12-02-ST	11	47.5	40	1400	13	
MS-VS-M13-02-ST	14	62	50	1800	24	2-1/2"
MS-VS-M14-02-ST	20	90	75	2600	39	
MS-VT-M15-02-ST	22	90	83	2550	16	
MS-VS-M16-02-ST	26	-	98	-	70	
MS-VU-M17-02-ST	41	160	155	4531	5	
MS-VT-M18-02-ST	44	180	167	5098	30	
MS-VU-M19-02-ST	60	245	227	6938	16	2-1/2"
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