

## 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).



Flanged  
M Style Meter

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.



In Line  
M Style Meters

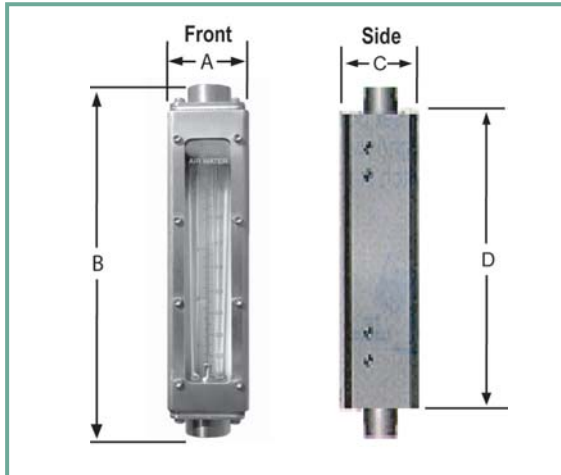
### SPECIFICATIONS

<b>ACCURACY</b>	±3% of full scale.
<b>MINIMUM FLOW RATE</b>	Approximately 10% of maximum flow rate.
<b>REPEATABILITY</b>	±0.5% of full scale.
<b>MAXIMUM PRESSURE AT 200°F (93°C)</b>	200 psig / 13.6 bar gauge (tube size 3, 4, 5 and 6). 125 psig / 8.5 bar gauge (tube size 8 and 9).
<b>MAXIMUM OPERATING TEMPERATURE</b>	200 °F (93 °C).

### \*\*MATERIALS OF CONSTRUCTION

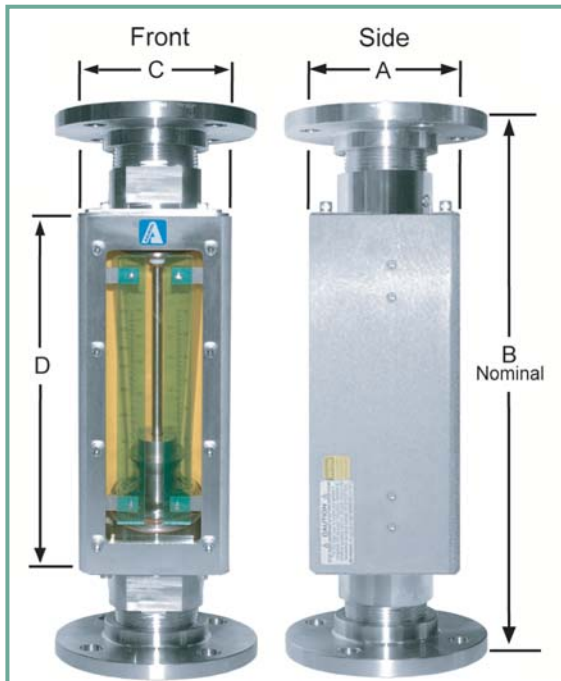
<b>FLOW TUBES</b>	Heavy walled borosilicate glass.
<b>FITTINGS IN CONTACT WITH FLUIDS</b>	316 Stainless Steel.
<b>FRONT SHIELD</b>	Thick clear polycarbonate and white acrylics.
<b>O-RINGS</b>	Viton®.
<b>OPTIONAL</b>	PTFE/ Kalrez®, EPR.
<b>CONNECTIONS</b>	IN LINE: 1/2", 1-1/2", 2", NPT. 150 ANSI FLANGED: 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
½"	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
¾"	2	9.58	2.25	8.04
1½"	3.5	14.15	3.75	10.50
2½"	5	17.98	5.25	11.55

**IN LINE M STYLE METERS**

CATALOG NUMBER	MAX FLOW RATE				PRESSURE DROP ("OF H <sub>2</sub> O)	TUBE SIZE	NPT CONNECTION	
	WATER [GPM]	AIR [SCFM]	WATER [L/min]	AIR [L/min]				
MS-VJ-M01-02-ST	0.25	1.2	.95	35	-	3	1/2"	
MS-VJ-M02-02-ST	0.36	1.7	1.3	50	2	3		
MS-VJ-M03-02-ST	0.76	3.3	3.0	90	5	3		
MS-VJ-M04-02-ST	1.0	4.2	3.7	120	6	4		
MS-VJ-M05-02-ST	1.5	6.5	5.6	180	-	4		
MS-VJ-M06-02-ST	2.2	8.5	8.2	250	10	4		
MS-VK-M07-02-ST	3.8	16	14	475	10	5	1"	
MS-VK-M08-02-ST	5.0	21.5	18	650	14	5		
MS-VK-M09-02-ST	6.0	25.5	20	725	5	6		
MS-VK-M10-02-ST	7.4	30	27.5	900	6	6		
MS-VK-M11-02-ST	9.6	40	35	1200	10	6		
MS-VK-M12-02-ST	11	47.5	40	1400	13	6		
MS-VK-M13-02-ST	14	62	50	1800	24	6	2"	
MS-VK-M14-02-ST	20	90	75	2600	39	6		
MS-VL-M15-02-ST	22	90	83	2550	16	8		
MS-VK-M16-02-ST	26	-	98	-	70	6		1"
MS-VQ-M17-02-ST	41	160	155	4531	5	9		2"
MS-VL-M18-02-ST	44	180	167	5098	30	8		
MS-VQ-M19-02-ST	60	245	227	6938	16	9		
MS-VL-M20-02-ST	61	250	231	7080	40	8		
MS-VQ-M21-02-ST	86	-	326	-	25	9		
MS-VQ-M22-02-ST	116	-	439	-	45	9		

**FLANGED M STYLE METERS**

CATALOG NUMBER	MAX FLOW RATE				PRESSURE DROP ("OF H <sub>2</sub> O)	TUBE SIZE	FLANGE CONNECTION	
	WATER [GPM]	AIR [SCFM]	WATER [L/min]	AIR [L/min]				
MS-VR-M01-02-ST	0.25	1.2	.95	35	-	3	3/4"	
MS-VR-M02-02-ST	0.36	1.7	1.3	50	2	3		
MS-VR-M03-02-ST	0.76	3.3	3.0	90	5	3		
MS-VR-M04-02-ST	1.0	4.2	3.7	120	6	4		
MS-VR-M05-02-ST	1.5	6.5	5.6	180	-	4		
MS-VR-M06-02-ST	2.2	8.5	8.2	250	10	4		
MS-VS-M07-02-ST	3.8	16	14	475	10	5	1½"	
MS-VS-M08-02-ST	5.0	21.5	18	650	14	5		
MS-VS-M09-02-ST	6.0	25.5	20	725	5	6		
MS-VS-M10-02-ST	7.4	30	27.5	900	6	6		
MS-VS-M11-02-ST	9.6	40	35	1200	10	6		
MS-VS-M12-02-ST	11	47.5	40	1400	13	6		
MS-VS-M13-02-ST	14	62	50	1800	24	6	2½"	
MS-VS-M14-02-ST	20	90	75	2600	39	6		
MS-VT-M15-02-ST	22	90	83	2550	16	8		
MS-VS-M16-02-ST	26	-	98	-	70	6		1½"
MS-VU-M17-02-ST	41	160	155	4531	5	9		2½"
MS-VT-M18-02-ST	44	180	167	5098	30	8		
MS-VU-M19-02-ST	60	245	227	6938	16	9		
MS-VT-M20-02-ST	61	250	231	7080	40	8		
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