

ACRYLIC FLOW METERS

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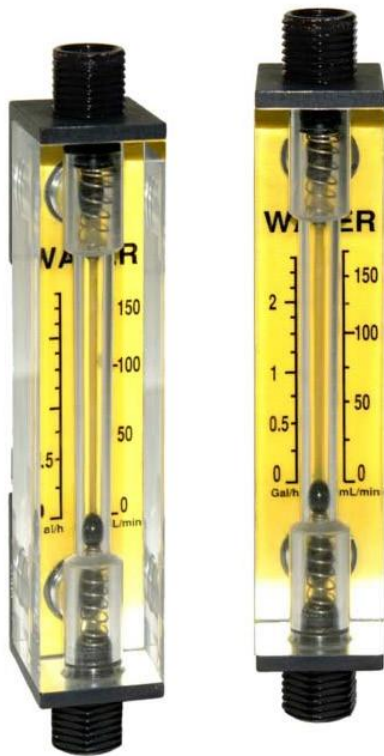


Design Features

- Easy to read English or metric scales.
- Interchangeable scales for routine gases.
- Customer convertible panel to partial or full in-line mounted configurations.
- Panel mounting by means of hex nuts.
- Meters offered with or without built-in low hysteresis needle valves.
- Easy disassembly and assembly for cleaning.

OPTIONAL PRODUCTS

FLOW METER KITS ARE AVAILABLE WITH DIRECT READING SCALES DISPLAYING: AIR, WATER, ARGON, NITROGEN, HELIUM, CARBON DIOXIDE, AND OXYGEN IN BOTH ENGLISH AND METRIC UNITS.



Typical In-Line Meter



**Panel Mounting
Meter with Built In
Needle Valve**



Superior Quality . . .

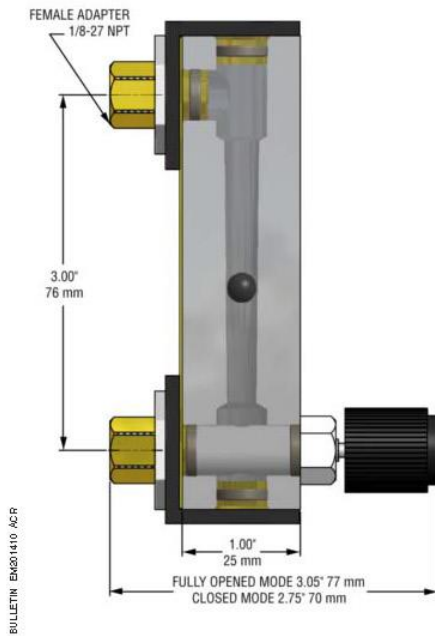
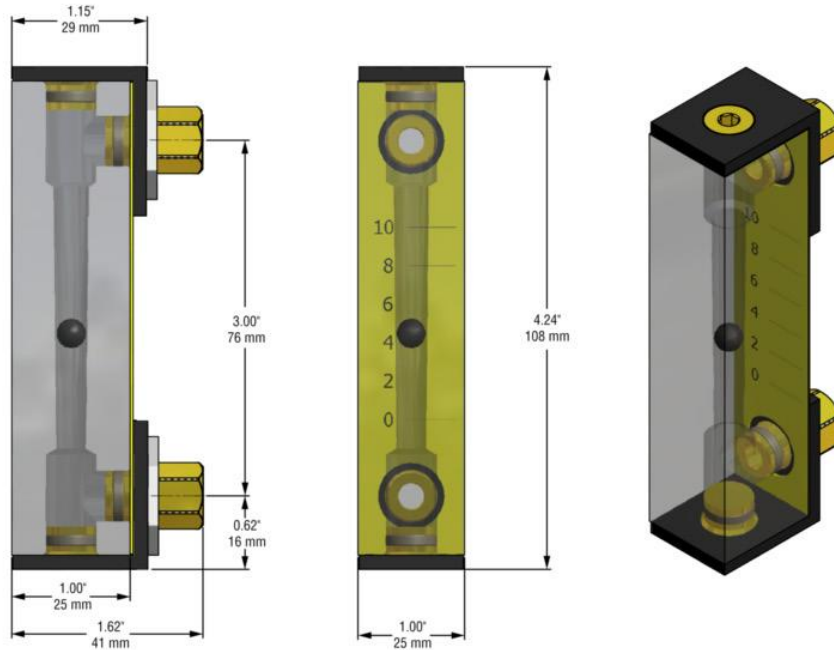
. . . Stable, Easy to Read Float

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ACRYLIC FLOW METERS

DIMENSIONS



ACR SPECIFICATIONS

ACCURACY:	±5% of full scale reading.
MAXIMUM TEMPERATURE:	65°C (150°F).
MAXIMUM PRESSURE:	6.9 bars (100 psig).
METER BLOCK:	Clear machined acrylic.
FLOAT MATERIALS:	Black Glass, stainless steel, Tungsten Carbide.
O-RING SEALS:	Viton®
FITTINGS:	Brass or stainless 1/8" NPT female connections, built-in needle valves and seal plugs.

ACRYLIC FLOW METERS



AIR FLOW METERS WITH DIRECT READING SCALES					
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALE		FLOAT MATERIAL
			L/min	SCFH	
ACRZB0V01	BRASS	NO	1.4	2.8	GLASS
ACRZB1V01		YES			
ACRZS0V01		NO			
ACRZS1V01	STAINLESS	YES			
ACRZB0V08	BRASS	NO	2.75	5.5	STAINLESS
ACRZB1V08		YES			
ACRZS0V08		NO			
ACRZS1V08	STAINLESS	YES			
ACRZB0V15	BRASS	NO	3.5	7.0	CARBOLOY
ACRZB1V15		YES			
ACRZS0V15		NO			
ACRZS1V15	STAINLESS	YES			
ACRYB0V01	BRASS	NO	8.5	18.0	GLASS
ACRYB1V01		YES			
ACRYS0V01		NO			
ACRYS1V01	STAINLESS	YES			
ACRYB0V08	BRASS	NO	16.0	32.5	STAINLESS
ACRYB1V08		YES			
ACRYS0V08		NO			
ACRYS1V08	STAINLESS	YES			
ACRYB0V15	BRASS	NO	22.0	45.0	CARBOLOY
ACRYB1V15		YES			
ACRYS0V15		NO			
ACRYS1V15	STAINLESS	YES			
ACRYB0V22	BRASS	NO	50	100	STAINLESS
ACRYB1V22		YES			
ACRYS0V22		NO			
ACRYS1V22	STAINLESS	YES			

NITROGEN FLOW METERS WITH DIRECT READING SCALES					
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALE		FLOAT MATERIAL
			L/min	SCFH	
ACRZB0V06	BRASS	NO	1.3	2.75	GLASS
ACRZB1V06		YES			
ACRZS0V06		NO			
ACRZS1V06	STAINLESS	YES			
ACRZB0V13	BRASS	NO	2.75	5.5	STAINLESS
ACRZB1V13		YES			
ACRZS0V13		NO			
ACRZS1V13	STAINLESS	YES			
ACRZB0V20	BRASS	NO	3.5	7.5	CARBOLOY
ACRZB1V20		YES			
ACRZS0V20		NO			
ACRZS1V20	STAINLESS	YES			
ACRYB0V06	BRASS	NO	8.0	16.0	GLASS
ACRYB1V06		YES			
ACRYS0V06		NO			
ACRYS1V06	STAINLESS	YES			
ACRYB0V13	BRASS	NO	16.0	32.5	STAINLESS
ACRYB1V13		YES			
ACRYS0V13		NO			
ACRYS1V13	STAINLESS	YES			
ACRYB0V20	BRASS	NO	22.0	45.0	CARBOLOY
ACRYB1V20		YES			
ACRYS0V20		NO			
ACRYS1V20	STAINLESS	YES			
ACRYB0V27	BRASS	NO	45	100	STAINLESS
ACRYB1V27		YES			
ACRYS0V27		NO			
ACRYS1V27	STAINLESS	YES			

OXYGEN FLOW METERS WITH DIRECT READING SCALES					
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALE		FLOAT MATERIAL
			L/min	SCFH	
ACRZB0V07	BRASS	NO	1.2	2.5	GLASS
ACRZB1V07		YES			
ACRZS0V07		NO			
ACRZS1V07	STAINLESS	YES			
ACRZB0V14	BRASS	NO	2.50	5.0	STAINLESS
ACRZB1V14		YES			
ACRZS0V14		NO			
ACRZS1V14	STAINLESS	YES			
ACRZB0V21	BRASS	NO	3.5	7.0	CARBOLOY
ACRZB1V21		YES			
ACRZS0V21		NO			
ACRZS1V21	STAINLESS	YES			
ACRYB0V07	BRASS	NO	8.0	16.0	GLASS
ACRYB1V07		YES			
ACRYS0V07		NO			
ACRYS1V07	STAINLESS	YES			
ACRYB0V14	BRASS	NO	15.0	30.0	STAINLESS
ACRYB1V14		YES			
ACRYS0V14		NO			
ACRYS1V14	STAINLESS	YES			
ACRYB0V21	BRASS	NO	20.0	42.5	CARBOLOY
ACRYB1V21		YES			
ACRYS0V21		NO			
ACRYS1V21	STAINLESS	YES			
ACRYB0V28	BRASS	NO	45	90	STAINLESS
ACRYB1V28		YES			
ACRYS0V28		NO			
ACRYS1V28	STAINLESS	YES			

CARBON DIOXIDE FLOW METERS WITH DIRECT READING SCALES					
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALE		FLOAT MATERIAL
			L/min	SCFH	
ACRZB0V04	BRASS	NO	1.1	2.2	GLASS
ACRZB1V04		YES			
ACRZS0V04		NO			
ACRZS1V04	STAINLESS	YES			
ACRZB0V11	BRASS	NO	2.0	5.0	STAINLESS
ACRZB1V11		YES			
ACRZS0V11		NO			
ACRZS1V11	STAINLESS	YES			
ACRZB0V18	BRASS	NO	3.0	6.5	CARBOLOY
ACRZB1V18		YES			
ACRZS0V18		NO			
ACRZS1V18	STAINLESS	YES			
ACRYB0V04	BRASS	NO	7.0	15.0	GLASS
ACRYB1V04		YES			
ACRYS0V04		NO			
ACRYS1V04	STAINLESS	YES			
ACRYB0V11	BRASS	NO	12.0	25.0	STAINLESS
ACRYB1V11		YES			
ACRYS0V11		NO			
ACRYS1V11	STAINLESS	YES			
ACRYB0V18	BRASS	NO	18.0	37.5	CARBOLOY
ACRYB1V18		YES			
ACRYS0V18		NO			
ACRYS1V18	STAINLESS	YES			
ACRYB0V25	BRASS	NO	35	80	STAINLESS
ACRYB1V25		YES			
ACRYS0V25		NO			
ACRYS1V25	STAINLESS	YES			

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ARGON FLOW METERS WITH DIRECT READING SCALES					
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALE		FLOAT MATERIAL
			L/min	SCFH	
ACRZB0V03	BRASS	NO	1.1	2.25	GLASS
ACRZB1V03		YES			
ACRZS0V03	STAINLESS	NO	1.1	2.25	GLASS
ACRZS1V03		YES			
ACRZB0V10	BRASS	NO	2.2	5.0	STAINLESS
ACRZB1V10		YES			
ACRZS0V10	STAINLESS	NO	2.2	5.0	STAINLESS
ACRZS1V10		YES			
ACRZB0V17	BRASS	NO	3.0	6.5	CARBOLOY
ACRZB1V17		YES			
ACRZS0V17	STAINLESS	NO	3.0	6.5	CARBOLOY
ACRZS1V17		YES			
ACRYB0V03	BRASS	NO	7.0	15.0	GLASS
ACRYB1V03		YES			
ACRYS0V03	STAINLESS	NO	7.0	15.0	GLASS
ACRYS1V03		YES			
ACRYB0V10	BRASS	NO	13.0	26.0	STAINLESS
ACRYB1V10		YES			
ACRYS0V10	STAINLESS	NO	13.0	26.0	STAINLESS
ACRYS1V10		YES			
ACRYB0V17	BRASS	NO	18.0	37.5	CARBOLOY
ACRYB1V17		YES			
ACRYS0V17	STAINLESS	NO	18.0	37.5	CARBOLOY
ACRYS1V17		YES			
ACRYB0V24	BRASS	NO	40	80	STAINLESS
ACRYB1V24		YES			
ACRYS0V24	STAINLESS	NO	40	80	STAINLESS
ACRYS1V24		YES			

WATER FLOW METERS WITH DIRECT READING SCALES					
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALE		FLOAT MATERIAL
			mL/min	GAL/H	
ACRZB0V02	BRASS	NO	20.0	0.3	GLASS
ACRZB1V02		YES			
ACRZS0V02	STAINLESS	NO	20.0	0.3	GLASS
ACRZS1V02		YES			
ACRZB0V09	BRASS	NO	70.0	1.1	STAINLESS
ACRZB1V09		YES			
ACRZS0V09	STAINLESS	NO	70.0	1.1	STAINLESS
ACRZS1V09		YES			
ACRZB0V16	BRASS	NO	100.0	1.5	CARBOLOY
ACRZB1V16		YES			
ACRZS0V16	STAINLESS	NO	100.0	1.5	CARBOLOY
ACRZS1V16		YES			
ACRYB0V02	BRASS	NO	175.0	2.75	GLASS
ACRYB1V02		YES			
ACRYS0V02	STAINLESS	NO	175.0	2.75	GLASS
ACRYS1V02		YES			
ACRYB0V09	BRASS	NO	450.0	6.5	STAINLESS
ACRYB1V09		YES			
ACRYS0V09	STAINLESS	NO	450.0	6.5	STAINLESS
ACRYS1V09		YES			
ACRYB0V16	BRASS	NO	700.0	11.0	CARBOLOY
ACRYB1V16		YES			
ACRYS0V16	STAINLESS	NO	700.0	11.0	CARBOLOY
ACRYS1V16		YES			
ACRYB0V23	BRASS	NO	1400	22	STAINLESS
ACRYB1V23		YES			
ACRYS0V23	STAINLESS	NO	1400	22	STAINLESS
ACRYS1V23		YES			

HELIUM FLOW METERS WITH DIRECT READING SCALES					
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALE		FLOAT MATERIAL
			L/min	SCFH	
ACRZB0V05	BRASS	NO	2.0	4.0	GLASS
ACRZB1V05		YES			
ACRZS0V05	STAINLESS	NO	2.0	4.0	GLASS
ACRZS1V05		YES			
ACRZB0V12	BRASS	NO	5.5	11.0	STAINLESS
ACRZB1V12		YES			
ACRZS0V12	STAINLESS	NO	5.5	11.0	STAINLESS
ACRZS1V12		YES			
ACRZB0V19	BRASS	NO	8.0	17.0	CARBOLOY
ACRZB1V19		YES			
ACRZS0V19	STAINLESS	NO	8.0	17.0	CARBOLOY
ACRZS1V19		YES			
ACRYB0V05	BRASS	NO	18.0	40.0	GLASS
ACRYB1V05		YES			
ACRYS0V05	STAINLESS	NO	18.0	40.0	GLASS
ACRYS1V05		YES			
ACRYB0V12	BRASS	NO	35.0	70.0	STAINLESS
ACRYB1V12		YES			
ACRYS0V12	STAINLESS	NO	35.0	70.0	STAINLESS
ACRYS1V12		YES			
ACRYB0V19	BRASS	NO	55.0	110.0	CARBOLOY
ACRYB1V19		YES			
ACRYS0V19	STAINLESS	NO	55.0	110.0	CARBOLOY
ACRYS1V19		YES			
ACRYB0V26	BRASS	NO	110	250	STAINLESS
ACRYB1V26		YES			
ACRYS0V26	STAINLESS	NO	110	250	STAINLESS
ACRYS1V26		YES			

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ACRYLIC FLOW METER KITS WITH DIRECT READING SCALES

Kits include an air meter and six interchangeable direct reading dual scales: Argon, Carbon Dioxide, Helium, Nitrogen, Oxygen, and Water.

ACRYLIC FLOW METER KITS																						
MODEL NO.	FITTING MATERIAL	VALVE OPTION	DUAL SCALES												FLOAT MATERIAL							
			AIR		WATER		ARGON		CARBON DIOXIDE		HELIUM		NITROGEN			OXYGEN						
			L/min	SCFH	mL/min	GAL/H	L/min	SCFH	L/min	SCFH	L/min	SCFH	L/min	SCFH		L/min	SCFH					
ACRZB0VK1	BRASS	NO	1.4	2.8	20.0	0.3	1.1	2.25	1.1	2.5	2.0	4.0	1.3	2.75	1.2	2.5	GLASS					
ACRZB1VK1		YES																				
ACRZS0VK1	STAINLESS	NO	2.75	5.5	70.0	1.1	2.2	5.0	2.0	5.0	5.5	11.0	2.75	5.5	2.50	5.0		STAINLESS				
ACRZS1VK1		YES																				
ACRZB0VK3	BRASS	NO	3.5	7.0	100.00	1.5	3.0	6.5	3.0	6.5	8.0	17.0	3.5	7.5	3.5	7.0			CARBOLOY			
ACRZB1VK3		YES																				
ACRZS0VK3	STAINLESS	NO	8.5	18.0	175.0	2.75	7.0	15.0	7.0	15.0	18.0	40.0	8.0	16.0	8.0	16.0				GLASS		
ACRZS1VK3		YES																				
ACRZB0VK4	BRASS	NO	16.0	32.5	450.0	6.5	13.0	26.0	12.0	25.0	35.0	70.0	16.0	32.5	15.0	30.0					STAINLESS	
ACRZB1VK4		YES																				
ACRZS0VK4	STAINLESS	NO	22.0	45.0	700.0	11.0	18.0	37.5	18.0	37.5	55.0	110.0	22.0	45.0	20.0	42.5						CARBOLOY
ACRZS1VK4		YES																				
ACRYB0VK1	BRASS	NO	50	100	1400	22	40	80	35	80	110	250	45	100	45	90	STAINLESS					
ACRYB1VK1		YES																				
ACRYS0VK1	STAINLESS	NO	16.0	32.5	450.0	6.5	13.0	26.0	12.0	25.0	35.0	70.0	16.0	32.5	15.0	30.0		STAINLESS				
ACRYS1VK1		YES																				
ACRYB0VK3	BRASS	NO	22.0	45.0	700.0	11.0	18.0	37.5	18.0	37.5	55.0	110.0	22.0	45.0	20.0	42.5			CARBOLOY			
ACRYB1VK3		YES																				
ACRYS0VK3	STAINLESS	NO	8.5	18.0	175.0	2.75	7.0	15.0	7.0	15.0	18.0	40.0	8.0	16.0	8.0	16.0				GLASS		
ACRYS1VK3		YES																				
ACRYB0VK4	BRASS	NO	16.0	32.5	450.0	6.5	13.0	26.0	12.0	25.0	35.0	70.0	16.0	32.5	15.0	30.0					STAINLESS	
ACRYB1VK4		YES																				
ACRYS0VK4	STAINLESS	NO	22.0	45.0	700.0	11.0	18.0	37.5	18.0	37.5	55.0	110.0	22.0	45.0	20.0	42.5						CARBOLOY
ACRYS1VK4		YES																				
ACRYB0VK6	BRASS	NO	50	100	1400	22	40	80	35	80	110	250	45	100	45	90	STAINLESS					
ACRYB1VK6		YES																				
ACRYS0VK6	STAINLESS	NO	16.0	32.5	450.0	6.5	13.0	26.0	12.0	25.0	35.0	70.0	16.0	32.5	15.0	30.0		STAINLESS				
ACRYS1VK6		YES																				

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