



Acrylic block construction with direct reading scales have white screen printed backs to enhance scale readability. Connections are in-line for easy installation.

### DESCRIPTION

- Metering Tube**  
Machined cast acrylic
- Internal Components**  
316L SS
- Fitting Material**  
Standard: PVC  
Optional: 316L SS, brass
- Inlet/Outlet Fittings**  
FNPT, vertical
- O-Ring**  
Standard: EPR  
Optional: Buna N, Viton

### PERFORMANCE

- Capacities**  
Water 7 GPH to 20 GPM  
Air 2.6 SCFH to 60 SCFM
- Scale**  
50mm, 65mm, 100mm, 127mm,  
250mm direct reading
- Accuracy**  
± 6% of full scale flow, 50mm scale  
± 5% of full scale flow, 65mm scale  
± 4% of full scale flow, 100mm scale  
± 3% of full scale flow, 127mm scale  
± 2% of full scale flow, 250mm scale
- Turndown**  
10:1

- Repeatability**  
3%, 50 mm scale  
2%, 75 mm scale  
2%, 100 mm scale  
2%, 127 mm scale  
0.5%, 250 mm scale

- Maximum Temperature**  
Liquid 130° F (54° C)  
Gases 100° F (38° C)

- Maximum Pressure**  
Water 125 psig  
Air 100 psig

- Ambient Temperature**  
33° F to 125° F (1° C to 52° C)

### SPECIFICATIONS:

Order Number	Flow Water	Order Number	Flow Air	Connection Size	Float	Dimensions (Inches)		
						A	B	D
<b>Block #2A, 50mm (2 Inch) Scale</b>								
—	—	2A-01 <sup>o</sup>	2.6 SCFH	1/4" FNPT*	BL	4.75	1	3.50
—	—	2A-03 <sup>oo</sup>	5 SCFH	1/4" FNPT*	BL	4.75	1	3.50
—	—	2A-05 <sup>o</sup>	10 SCFH	1/4" FNPT*	BL	4.75	1	3.50
—	—	2A-07 <sup>o</sup>	20 SCFH	1/4" FNPT*	BL	4.75	1	3.50
2A-02	7 GPH	2A-09 <sup>oo</sup>	30 SCFH	1/4" FNPT*	BL	4.75	1	3.50
2A-04	12 GPH	2A-11	70 SCFH	1/4" FNPT*	SL	4.75	1	3.50
2A-06	22 GPH	2A-13	100 SCFH	1/4" FNPT*	SL	4.75	1	3.50
2A-08	44 GPH	2A-15	180 SCFH	1/4" FNPT*	SL	4.75	1	3.50
2A-10	60 GPH	2A-17	4 SCFM	1/4" FNPT*	SL	4.75	1	3.50
2A-12	75 GPH	—	—	1/4" FNPT*	SL	4.75	1	3.50
<b>Block #2B, 65mm (2 1/2 Inch) Scale</b>								
2B-02	1 GPM	2B-01	4 SCFM	1/2" FNPT	GV	6.50	1.375	5
2B-04	2 GPM	2B-03	8 SCFM	1/2" FNPT	GV	6.50	1.375	5
2B-06	3.6 GPM	2B-05	15 SCFM	1/2" FNPT	SL	6.50	1.375	5
2B-08	5 GPM	2B-07	20 SCFM	1/2" FNPT	SL	6.50	1.375	5
<b>Block #5B, 127mm (5 Inch) Scale</b>								
5B-02	1 GPM	5B-01	4.2 SCFM	1/2" FNPT	GV	9.25	1.375	7.75
5B-04	2 GPM	5B-03	8.2 SCFM	1/2" FNPT	GV	9.25	1.375	7.75
5B-06	3.5 GPM	5B-05	15 SCFM	1/2" FNPT	SL	9.25	1.375	7.75
5B-08	5 GPM	5B-07	21 SCFM	1/2" FNPT	SL	9.25	1.375	7.75
<b>Block #6A, 100mm (4 Inch) Scale</b>								
6A-02	10 GPM	6A-01	40 SCFM	1" FNPT	SL	8.375	1.78	6.625
6A-04	15 GPM	6A-03	60 SCFM	1" FNPT	SL	8.375	1.78	6.625
6A-06	20 GPM	—	—	1" FNPT	SL	8.375	1.78	6.625
<b>Block #7A, 250mm (10 Inch) Scale</b>								
7A-02	2 GPM	7A-01	8 SCFM	3/4" FNPT	GV	14.812	1.78	13
7A-04	3.5 GPM	7A-03	14.8 SCFM	3/4" FNPT	GV	14.812	1.78	13
7A-06	5 GPM	7A-05	20 SCFM	3/4" FNPT	GV	14.812	1.78	13
7A-08	10 GPM	7A-07	42 SCFM	3/4" FNPT	SL	14.812	1.78	13

\*Block 2A has 1/4" FNPT with Brass or Stainless Steel Fitting, 1/4" MNPT with PVC fittings

\*\*10-32 female thread. (Mounting Screws Not Supplied)

<sup>o</sup>These meters have glass ball floats

<sup>oo</sup>These meters have stainless steel ball floats

### ORDERING:

Use the following guide to determine the specific product number you require.

Meter Series	Fitting Material	O-Ring Material	Order Number
7510 - 2A, 6A, 7A	Brass - 1	EPR - 1	See Specifications
7511 - 2B, 5B	PVC - 2	Buna-N - 2	Table
	316L SS - 3	Viton - 3	

### OPTIONS

- Certified Calibrations**  
Conform to ISA RP 16.6

- Scales**  
Can be produced in any volumetric unit

**CAUTION:** Meters used in gas service are designed to operate at 14.7 psia. Meters used in pressure gas service must be shielded using 3/8" polycarbonate to protect personnel and equipment in the event of tube failure.