



Economical machined cast acrylic block construction makes these meters great for OEM use.  
Optional inlet metering valve available

## DESCRIPTION

### Metering Tube

Machined cast acrylic

### Internal Components

316L SS

### Fitting Material

Standard: PVC  
(brass for 2C block size)  
Optional: 316L SS or brass

### Inlet/Outlet Fittings

NPT, horizontal  
Control valve optional

### O-Ring

Standard: EPR  
Optional: Buna N, Viton®,  
and Kalrez®

## PERFORMANCE

### Capacities

Water 7 GPH to 20 GPM  
Air 2.6 SCFH to 60 SCFM

### Scale

50mm, 75mm, 100mm,  
127mm, 250mm  
direct reading

### Accuracy

± 6% of full scale flow, 50 mm scale  
± 4% of full scale flow, 75 mm scale  
± 4% of full scale flow, 100 mm scale  
± 7% of full scale flow, 6C-04, 6C-06  
± 3% of full scale flow, 127 mm scale  
± 2% of full scale flow, 250 mm scale

### Turndown

10:1

### Repeatability

3%, 50 mm scale  
2%, 75 mm scale  
2%, 100 mm scale  
4%, 6C-04, 6C-06  
2%, 127 mm scale  
0.5%, 250 mm scale

### Maximum Temperature

Liquid 130° F (54° C)  
Gases 100° F (38° C)

### Maximum Pressure

Water 150 psig  
Air 125 psig

### Ambient Temperature

33° F to 125° F (1° C to 52° C)

## OPTIONS

### Certified Calibrations

Conform to ISA RP 16.6

### Scales

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.

## SPECIFICATIONS:

Order Number	Flow Water	Order Number	Flow Air	Float	Dimensions (Inches)	
Block #2C, 50mm (2 Inch) Scale						
A						
B						
-	-	2C-01*	2.6 SCFH	BL	4.125	1
-	-	2C-03**	5 SCFH	BL	4.125	1
-	-	2C-05*	10 SCFH	BL	4.125	1
-	-	2C-07*	20 SCFH	BL	4.125	1
2C-02	7 GPH	2C-09**	30 SCFH	BL	4.125	1
2C-04	12 GPH	2C-11	60 SCFH	SL	4.125	1
2C-06	22 GPH	2C-13	100 SCFH	SL	4.125	1
2C-08	44 GPH	2C-15	180 SCFH	SL	4.125	1
2C-10	60 GPH	2C-17	4 SCFM	SL	4.125	1
2C-12	75 GPH	-	-	SL	4.125	1

\*These meters have glass ball floats

\*\*These meters have stainless steel ball floats

Order Number	Flow Water	Order Number	Flow Air	Float	Dimensions (Inches)	
Block #3C, 75mm (3 Inch) Scale						
A						
B						
3C-02	1 GPM	3C-01	4 SCFM	GV	6.875	1.20
3C-04	2 GPM	3C-03	8 SCFM	GV	6.875	1.20
3C-06	3.5 GPM	3C-05	15 SCFM	SL	6.875	1.20
3C-08	5 GPM	3C-07	23 SCFM	SL	6.875	1.20
Block #5C, 127mm (5 Inch) Scale						
5C-10	10 GPH	5C-11	42 SCFH	GV	8.45	1.20
5C-12	20 GPH	5C-13	100 SCFH	SL	8.45	1.20
5C-14	40 GPH	5C-15	175 SCFH	SL	8.45	1.20
5C-02	1 GPM	5C-01	4 SCFM	GV	8.45	1.20
5C-04	100 GPH	5C-03	6.8 SCFM	GV	8.45	1.20
5C-06	2 GPM	5C-05	8.2 SCFM	GV	8.45	1.20
5C-08	5 GPM	5C-07	22 SCFM	SL	8.45	1.20
Block #6C, 100mm (4 Inch) Scale						
6C-02	10 GPM	6C-01	40 SCFM	SL	9.125	1.78
6C-04	15 GPM	6C-03	60 SCFM	SL	9.125	1.78
6C-06	20 GPM	-	-	SL	9.125	1.78
Block #7C, 250mm (10 Inch) Scale						
7C-02	2 GPM	7C-01	8 SCFM	GV	14.50	1.78
7C-04	3.5 GPM	7C-03	14.4 SCFM	GV	14.50	1.78
7C-06	5 GPM	7C-05	20 SCFM	GS	14.50	1.78
7C-08	10 GPM	7C-07	42 SCFM	SL	14.50	1.78

Blocks 3C, 5C, 6C and 7C have mounting studs depicted in dimension "H" and thread "J". (Mounting nuts not supplied)

## CONNECTIONS & MOUNTING

Block Number	Connection Size
2C	1/4" FNPT

Block 2C is supplied with .875" hex mounting nuts on plumbing connections.

## ORDERING:

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

Meter Series	Fitting Material	O-Ring Material	Valve Material	Order Number
7520 No valve	Brass - 1	EPR - 1	Brass - 1	See Specifications
7530 With valve	316L SS - 3	Buna-N - 2 Viton® - 3	316L SS - 2 Without Valve - 0	Table