7420 Series

Glass Tube

PVDF in-line connections, Hastelloy®C-276 internals and borosilicate glass tubes with a polycarbonate housing make these both chemical resistant and economical

Description

Metering Tube
Borosilicate Glass

Internal Components
316L Stainless Steel or Hastelloy® C-276

Inlet/Outlet Fittings
1/2" NPT, Vertical

Fitting Material
Standard: PVDF

Optional: 316L Stainless Steel

Options

Certified Calibrations
Conform to ISA RP 16.6

Scales
Can be produced in any volumetric unit

Performance

Capacities
.48 to 7.4 GPM – Water
2 to 20 SCFM – Air

Scale
75 mm (3"), 150 mm (6")
Direct reading

Accuracy
± 5% of Full Scale Flow, 75 mm
± 3% of Full Scale Flow, 150 mm

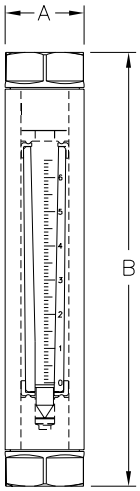
Turndown
10:1 to 12.5:1 unless otherwise indicated

Repeatability
.5 %

Max Temperature
150° F (66° C)

Max Pressure
150 psig

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



Refer to specification table on page 17

Float Types:

GV
Maximum Viscosity Compensation

LP
Lowest Pressure Loss

SL
Maximum Flow

Specifications:

75mm (3") Scale Models										
	Full Scale Flow								Dimensions	
Order	Water		Air		Float	Float	Tube	Tube	(Inches)	
Number	GPM	LPM	SCFM	SLPM	Number	Type	Size	Number	A	B
3G10	.48	1.8	2.0	56	1/2-LPG-04	LP	.50"	1/2-24-G-3	1.75	7.74
3G20	1.0	3.8	4.0	112	1/2-LPG-05	LP	.50"	1/2-24-G-3	1.75	7.74
3G30	2.0	7.6	8.2	230	1/2-SLG-01	SL	.50"	1/2-24-G-3	1.75	7.74
3P10	2.5	9.4	10.0	280	5/8-GVP-01	GV	.625"	5/8-29-P-3	1.75	7.74
3P20	4.0	15.0	20.0	560	5/8-SLP-01	SL	.625"	5/8-29-P-3	1.75	7.74
3P30	5.6	21.0	–	–	5/8-SLP-02	SL	.625"	5/8-29-P-3	1.75	7.74
3P40	7.4	28.0	–	–	5/8-SLP-03	SL	.625"	5/8-29-P-3	1.75	7.74

150mm (6") Scale Models										
	Full Scale Flow								Dimensions	
Order	Water		Air		Float	Float	Tube	Tube	(Inches)	
Number	GPM	LPM	SCFM	SLPM	Number	Type	Size	Number	A	B
6G10	0.5	1.9	2.0	57	1/2-LPG-04	LP	.50"	1/2-24-G-6	1.75	11.26
6G20	1.0	3.8	4.2	118	1/2-LPG-05	LP	.50"	1/2-24-G-6	1.75	11.26
6G30	2.0	7.6	8.2	230	1/2-SLG-01	SL	.50"	1/2-24-G-6	1.75	11.26
6P10	2.5	9.4	10.0	280	5/8-GVP-02	GV	.625"	5/8-32-P-6	1.75	11.26
6P20	4.0	15.0	20.0	560	5/8-SLP-04	SL	.625"	5/8-32-P-6	1.75	11.26
6P30	5.6	21.0	–	–	5/8-SLP-05	SL	.625"	5/8-32-P-6	1.75	11.26
6P40	7.4	28.0	–	–	5/8-SLP-06	SL	.625"	5/8-32-P-6	1.75	11.26

Ordering:

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

7 4 B	☐ ☐ ☐ ☐	☐	☐	☐
Meter Series	**Order Number**	**Float Material**	**Fitting Material**	**Scale**
	See Specifications Table	316L SS - 2 Hastelloy® C-276 - 4	PVDF - 7 316L SS - 2	Millimeter - 1 GPM Water@70°F - 2 LPM Water@70°F - 3 SCFM Air@STP - 4 SLPM Air@STP - 5 Non standard - 6

Example: 74B - 6P30 - 2 - 7 - 2