

BROOKS**2500 Series Acrylic Variable Area Flowmeters**Liquids & Gases, 1/8" to 1" Pipe, F.S Ranges 0.5-100 l/m Air, 0.1 to 3.7 l/m H₂O**DESCRIPTION**

Series 2500 is a standard precision-machined acrylic flow meter for liquids and gases, with direct reading air or water scales and is available in either English or metric scales. Models 2510/2520/2530 can be configured with a control valve on the inlet or no valve.

Fittings and valve can be specified in either brass or stainless steel. O-rings are available in Buna-N, Viton® fluoroelastomer or other optional elastomers.

Model 2540 flowmeters have standard 1" FNPT PVC fittings with either an in-line Model 2540-I or panel mount Model 2540-S configuration. The panel mount version is available with an integral valve on the inlet Model 2540-V or no valve.

Typical applications include:

- Air sampling equipment aquaculture
- Gas analyzers
- Photo processing equipment
- Desalinization equipment
- Medical systems
- Water treatment and distribution systems

Features:

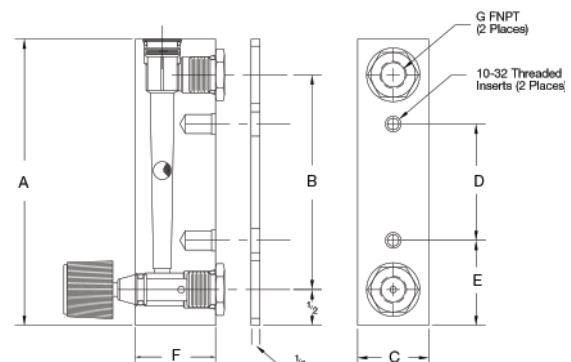
- Easy-to-read English or metric scales
- Air ranges from 40 ccm to 4000 LPM
- Easy disassembly/assembly for maintenance
- Durable one-piece clear acrylic construction
- Stable easy-to-read float
- Water ranges from 4 ccm to 20 GPM
- Threaded brass inserts for quick installation
- Superior clarity and strength



SPECIFICATIONS	Model			
	2510	2520	2530	2540
Accuracy	±5% full scale	±3% full scale		±2% full scale
Flow Rates	See Table A	See Table B	See Table C	See Tables D & E
Floats	Black Glass, 316 Stainless Steel, Delrin® Acetal Resins			
Body	Clear Acrylic			
Seals	Buna-N O-rings with Brass fittings; Viton® O-rings with 303 Stainless Steel fittings			
Pressure	100 psig max.			
Temperature	150°F/65°C Max.			
Fittings	Brass, 303 Stainless Steel			
Valves	Brass or Stainless Steel			

Model	Dimensions inches (mm) 2510, 2520 & 2530						
	A	B	C	D	E	F	G
2510	4" (102)	3" (76.2)	1" (25.4)	1-5/8" (41.3)	1-3/16" (30.2)	1-1/8" (28.6)	1/8" FNPT
2520	6-1/2" (165)	5-1/2" (140)	1-3/8" (34.9)	3-1/2" (88.9)	1-1/2" (38.1)	1-1/8" (28.6)	1/8" FNPT
2530*	6-5/8" (168)	5-1/2" (140)	1-1/8" (28.6)	3-1/2" (88.9)	1-1/2" (38.1)	1-3/8" (34.9)	1/4" FNPT

* Does not include 1/8" back plate



Model 2510 Flow Rates - Table A			
Range SCFH of Air	Tube Code	Range LPM of Air	Tube Code
.1-1	2A00	0.04-0.5	2A12
.2-2	2A01	.1-1	2A13
.4-5	2A02	.2-2.5	2A29
1-10	2A03	.4-5	2A14
4-50	2A06	1-10	2A15
10-100	2A07	2-25	2A16
20-200	2A08	6-50	2A17
-	-	10-100	2A18
CCM of Water	Tube Code	GPH of Water	Tube Code
10-100	2L10	.2-2	2L28
20-240	2L11	.4-5	2L19
-	-	1-10	2L20
-	-	2-20	2L21
-	-	4-40	2L22

Model 2520 Flow Rates - Table B			
Range SCFH of Air	Tube Code	Range CCM of Water	Tube Code
.4-5	4A30	4-50	4L38
1-10	4A31	10-120	4L56
4-40	4A33	25-225	4L51
10-100	4A34	40-400	4L50
20-200	4A36	40-660	4L52
		100-1500	4L53
CCM of Air	Tube Code	200-3000	4L54
10-1000	4A39	300-3700	4L55
LPM of Air	Tube Code	GPH of Water	Tube Code
.4-5	4A40	1-10	4L45
1-10	4A41	2-25	4L48
2-20	4A42	6-60	4L46
3-30	4A43	SCFM of Air	Tube Code
4-50	4A44	.3-3	4A37
10-100	4A47		

Model 2530 Flow Rates - Table C			
Range SCFM	Tube Code	Range GPM of Water	Tube Code
.5-5	4A67	02-2.5	4L64
1-10	4A65	.5-5	4L66
4-20	4A68	LPM of Water	Tube Code
LPM of Air	Tube Code	1-10	4L69
14-140	4A72	2-20	4L71
30-300	4A70	Dual Scales: SCFM/SCFH, GPM/GPH and LPM/LPH	
100-560	4A73		

ORDERING INFORMATION

TYPICAL MODEL CODE FOR MODELS 2510, 2520 & 2530

ABCDEF-G

EXAMPLE: 2520A4A33SVVT

A Model	B Revision	C Tube Code	D Fittings	E Valves	F Seals	*G Options
2510= Acrylic Flowmeter: ±5% Full Scale 2520= Acrylic Flowmeter: ±3% Full Scale 2530= Acrylic Flowmeter: ±3% Full Scale	A= Revision Level A	From Table A, B or C	B= Brass S= Stainless Steel	N= No Valve V= Standard Inlet Valve O= Outlet Valve (Vacuum service 2510 & 2520 only)	BN= Buna N (Standard with brass fittings) VT= Viton® fluoroelastomer (Std. with Stainless Steel)	NL= No Logo
Additional Options <ul style="list-style-type: none"> • Certificate of Conformance <ul style="list-style-type: none"> • ICC • Paper Tag • Stainless Steel Tag • Degrease for O2 Cleaning 						

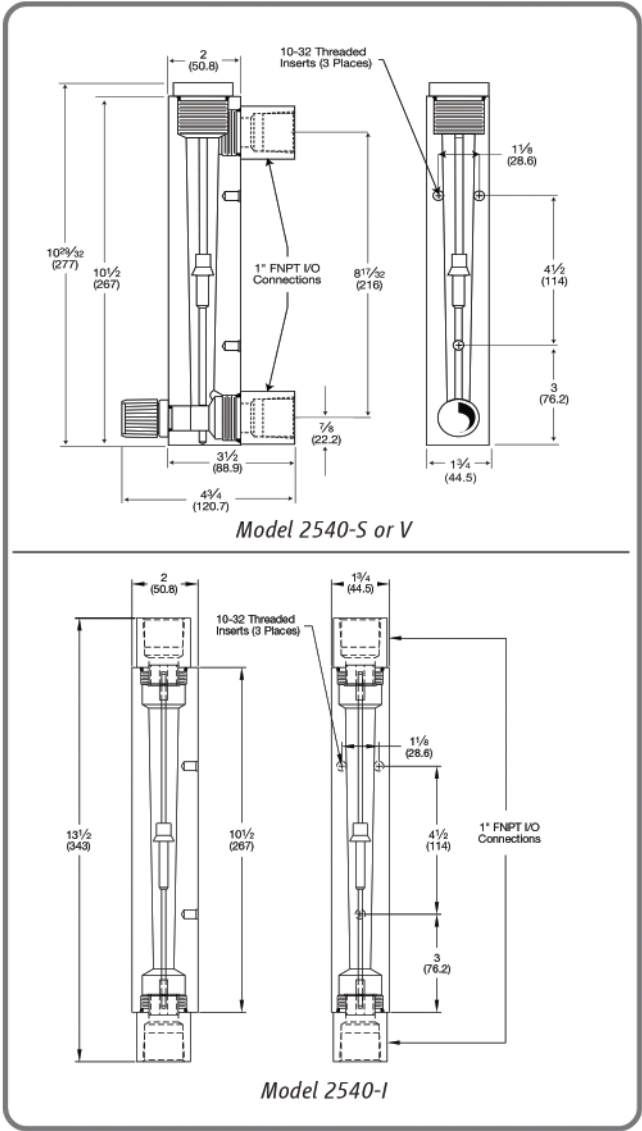
Range SCFM	Tube Code	Range GPM of Water	Tube Code
3-25	5A50	.4-5	5L56
4-50	5A51	1-10	5L57
10-100	5A52	2-20	5L58
LPM of Air	Tube Code	LPM of Water	Tube Code
100-700	5A53	1-19	5L59
100-1400	5A54	4-36	5L60
400-3000	5A55	5-75	5L61

Range SCFM	Tube Code	Range GPM of Water	Tube Code
3-25	5A50	.4-5	5L56
4-50	5A51	1-10	5L57
10-100	5A52	2-20	5L58
LPM of Air	Tube Code	LPM of Water	Tube Code
100-700	5A53	1-19	5L59
100-1400	5A54	4-36	5L60
400-4000	5A55	5-75	5L61

ORDERING INFORMATION

**TYPICAL MODEL CODE FOR MODELS 2540 S, V OR I
ABCDE-F**

EXAMPLE: 2540A5A52PS



A Model	B Revision	C Tube Code	D Fitting Material	E Fitting/Valve	F Options
2540= Acrylic Flowmeter: ±2% Full Scale	A= Revision Level A	From Table D or E	P= PVC (Standard) S= Stainless Steel	S= Back Connections (Standard) I= End Connection V= Valve (Back connection only)	NL= No Logo
Additional Options • Certificate of Conformance • ICC • Paper Tag • Stainless Steel Tag • Degrease for O2 Cleaning					