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Dwyer

SERIES VF

VISI-FLOAT® ACRYLIC FLOWMETERS

Hot-Stamped Scales, Multi-Angle Views of Flow

CALIBRATION SERVICES AVAILABLE

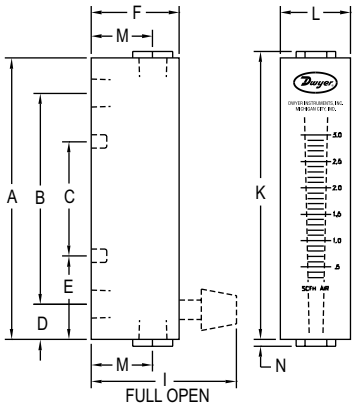




Model VFB



Model VFA-SSV



DIMENSIONS - FLOWMETER		
	Model VFA	**Model VFB**
A	4 [101.6]	6-1/2 [165.1]
B	3 [76.20]; 1/8 NPT conn.	5-1/2 [139.7]; 1/8 NPT conn.
C	1-5/8 [41.28]; 10-32 thd	3-1/2 [88.90]; 10-32 thd
D	1/2 [12.70]	1/2 [12.70]
E	1-3/16 [30.16]	1-1/2 [38.10]
F	1-1/4 [31.75]	1-1/4 [31.75]
I	2-1/16 [52.39]; Open	2-1/16 [52.39] ; Open
K	4-3/32 [104.0]	6-11/16 [169.9]
L	1 [25.40]	1-3/8 [34.93]
M	7/8 [22.23] ; 1/8 NPT	7/8 [22.23]; 1/8 NPT
N	3/32 [2.381]	3/32 [2.381]

The **Series VF Visi-Float® Acrylic Flowmeters** are a line of direct reading, precision machined, clear acrylic body flowmeters suitable for both gas and liquid applications. The fabrication of the Visi-Float® flowmeters is backed by over 60 years of experience in acrylic instrument machining. This Series consists of 2″ (51 mm) and 4″ (102 mm) scales with optional precision metering valves.

BENEFITS/FEATURES

- Appealing design allows for complete visual inspection with bodies that are cut and precision machined from solid, clear acrylic blocks
- Increased reading accuracy with clear visibility of the float on a smooth white background
- Eliminates the need for troublesome conversions and increases product operating life with direct reading scales that are hot stamped into the plastic
- High repeatability from precision machined tapered bores
- Low installation costs with back or end connection options with metal mounting inserts that can be supported directly by system piping

APPLICATIONS

- Medical equipment
- Laboratory equipment
- Air samplers
- Gas analyzers
- Pollution monitors
- Chemical injectors
- Cabinet purging

MODEL CHART	
Model	**Description**
VFA-X	Standard VFA
VFA-X-SS	VFA with stainless metal wetted parts
VFA-X-BV* **	VFA with brass valve
VFA-X-SSV* **	VFA with stainless steel valve
VFA-X-EC	VFA with end connections
VFA-X-EC-SS	VFA with end connections and stainless steel metal wetted parts
VFB-X	Standard VFB
VFB-X-SS	VFB with stainless metal wetted parts
VFB-X-BV* **	VFB with brass valve
VFB-X-SSV* **	VFB with stainless steel valve
VFB-X-EC	VFB with end connections
VFB-X-EC-SS	VFB with end connections and stainless steel metal wetted parts
How To Order: Series—Range No. (“X”)—Valve—Option **Example:** VFA-9-BV (Series VFA with 20-200 SCFH air range and brass valve)	
***Valve is designed for flow adjustment only, not intended to be used as an open/shut-off valve.	

OPTIONS	
To order add suffix:	**Description**
-NIST	NIST traceable calibration certificate
-PF	Red ABS plastic pointer flag
-VIT	Fluoroelastomer O-rings

ACCESSORIES	
Model	**Description**
RK-VFB	Regulator kit for Series VFB
RKA	Regulator kit for Series VFA

OEM SPECIALS

Special flowmeter designs can be supplied to meet a wide range of requirements and specific applications. These include: on-off plunger and push-to-test valves, special gas or fluid calibration, special ranges, scales, name brand or other identification. Pointer flags can be furnished for instant visual reference. For specific information, please supply an outline of your requirements.

SPECIFICATIONS	
Service: Compatible gases and liquids. **Wetted Materials:** Body: Acrylic plastic; O-ring: Buna-N (fluoroelastomer available); Metal parts: Nickel plated brass standard, SS optional; Float: SS, black glass, aluminum, K monel depending on range. **Temperature and Pressure Limits:** Without valve: 100 psig (6.9 bar) @ 150°F (65°C); 150 psig (10 bar) @ 100°F (38°C); With valve: 100 psig (6.9 bar) @ 120°F (48°C). **Accuracy:** VFA = 5% of FS; VFB = 3% of FS.	**Process Connection:** 1/8″ female NPT. VFB ranges 85 and 86 have 1/4″ NPT back connections or 3/8″ NPT end connections. These ranges not available with brass valves. **Scale Length:** VFA 2″ typical length; VFB 4″ typical length. **Mounting Orientation:** Mount in vertical position. **Weight:** VFA: 4.0 to 4.8 oz (.11 to .14 kg); VFB: 7.2 to 8.8 oz (.20 to .25 kg). **Compliance:** Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).

RANGE CHART - VFA 2″ SCALE - POPULAR RANGES			
Range No.	**SCFH Air**	**Range No.**	**LPM Air**
1**	.1 to 1	21**	.06 to 0.5
2	.2 to 2	22	.15 to 1
3	.6 to 5	23	.6 to 5
4	1 to 10	24	1 to 10
5	2 to 20	25	3 to 25
6	4 to 30	26	6 to 50
7	5 to 50	27	10 to 100
8	10 to 100		
9	20 to 200		
Range No.	**CC/Min. Water**	**Range No.**	**GPH Water**
32	6 to 50	41	.6 to 5
33	10 to 100	42	2 to 10
34	20 to 200	43	3 to 20
		44	8 to 40
**NIST not available.			

RANGE CHART - VFB 4″ SCALE - POPULAR RANGES			
Range No.	**SCFH Air**	**Range No.**	**LPM Air**
50	.3 to 3	65	.2 to 4
91*	1 to 10	66	1 to 10
51*	2 to 20	67	1 to 20
52	4 to 40	68	3 to 30
53*	10 to 100	69	4 to 40
54*	10 to 150	**Range No.**	**CC/Min. Water**
55*	20 to 200	82	2 to 30
Range No.	**SCFM Air**	**Range No.**	**GPH Water**
90	.3 to 3	80*	.5 to 12
Range No.	**CC/Min. Air**	83*	1 to 20
60**	100 to 1000	84	6 to 40
		81	6 to 60
		Range No.	**GPM Water**
		85	.2 to 2
		86	.6 to 5
*For dual range models in English and Metric add “D” to end of Range No. **NIST not available.			



Special multi-column Visi-Float® flowmeters
Perfect for OEM applications, Visi-Float® flowmeters can be custom made with up to 10 columns in a single block of acrylic plastic.
Available with or without valves. Consult factory for more information.

USA: California Proposition 65
⚠**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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