

CLARK SOLUTIONS**FR2000, 4000 & 4500 Acrylic Variable Area Flowmeters**

Air ranges from 50 ccm to 4000 ccm, water 4 ccm to 20 GPM

DESCRIPTION

FR series flowmeters are precision machined acrylic variable area type. A choice of brass or stainless steel connections and valves and Buna or Viton seals are available.

Special calibrations, machining, and private branding are routine for OEM accounts.

ACCURACY: MODEL FR2000 $\pm 5\%$ FULL SCALE, MODEL FR4000 & FR4500 $\pm 3\%$ FULL SCALE

FLOAT: BLACK GLASS, STAINLESS STEEL, ACETAL, ALUMINUM

BODY: CLEAR ACRYLIC

SEALS: BUNA-N "O" RINGS WITH BRASS FITTINGS,

"O" RINGS MADE OF VITON®, WITH STAINLESS STEEL FITTINGS

OPERATING PRESSURE: 100 PSIG(6.89 BAR) MAX

OPERATING TEMPERATURE: 150°F/65°C MAX

FITTINGS: BRASS OR STAINLESS STEEL FNPT PIPE CONNECTORS

VALVES(OPTIONAL): BRASS OR STAINLESS STEEL

SERIES FR2000 FLOW RATES

RANGE SCFH OF AIR	MODEL CODE	RANGE LPM OF AIR	MODEL CODE	RANGE CCM OF WATER	MODEL CODE
.1-1	2A00	.04-.5	2A12	5-50	2L09
.2-2	2A01	.1-1	2A13	10-100	2L10
.4-5	2A02	.2-2.5	2A29	20-240	2L11
1-10	2A03	.4-5	2A14	<u>GPH OF WATER</u>	
2-20	2A04	1-10	2A15	.2-2	2L28
3-30	2A05	2-25	2A16	.4-5	2L19
4-50	2A06	4-50	2A17	1-10	2L20
10-100	2A07	10-100	2A18	2-20	2L21
20-200	2A08			4-40	2L22

SERIES FR4000 FLOW RATES

RANGE SCFH OF AIR	MODEL CODE	RANGE LPM OF AIR	MODEL CODE	RANGE GPH OF WATER	MODEL CODE
.4-5	4A30	.4-5	4A40	4-50	4L49
1-10	4A31	1-10	4A41	6-60	4L46
2-20	4A32	2-20	4A42	<u>CCM OF WATER</u>	
4-40	4A33	3-30	4A43	4-50	4L38
10-100	4A34	4-50	4A44	10-120	4L56
14-150	4A35	10-100	4A47	25-225	4L51
20-200	4A36	<u>SCFM OF AIR</u>		40-400	4L50
<u>CCM OF AIR</u>		.3-3	4A37	40-660	4L52
100-1000	4A39	<u>GPH OF WATER</u>		100-1500	4L53
		1-10	4L45	200-3000	4L54
		2-25	4L48	300-3700	4L55

SERIES FR4500 FLOW RATES

RANGE SCFM OF AIR	MODEL CODE	RANGE GPM OF WATER	MODEL CODE
.5-5	4A67	.25-2.5	4L64
1-10	4A65	.5-5	4L66
4-20	4A68	<u>LPM OF WATER</u>	
<u>LPM OF AIR</u>		1-10	4L69
14-140	4A72	2-20	4L71
30-280	4A70	Dual scales:	
100-560	4A73	SCFM/SCFH, GPM/GPH, and LPM/LPH	

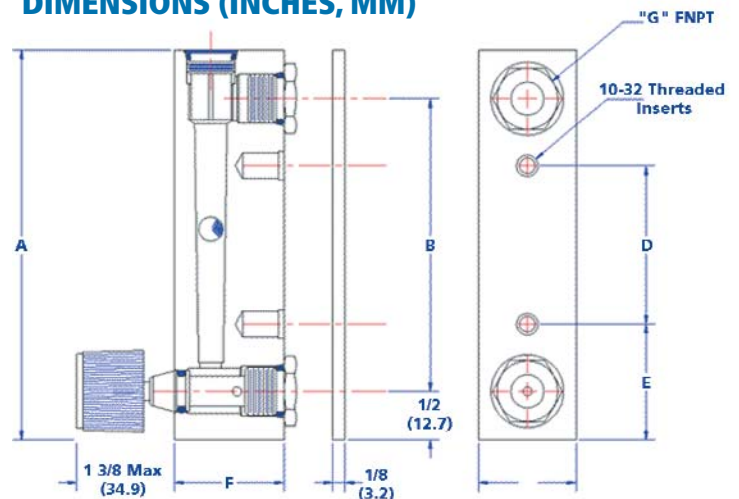
ORDERING INFORMATION**ABCDE**

EXAMPLE: FR2A00BNBN

A Model	B Model Code	C Fittings	D Valve	E Seals
FR	See Tables Above	B= Brass S=Stainless	N=None V=Valve Inlet	BN=Buna VT=Viton



FR2000 with metering Valve & FR4000 Flowmeters

DIMENSIONS (INCHES, MM)

MODEL	A	B	C	D	E	F	G
FR2000	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"
FR4000	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"
FR4500*	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"

* Does not include 1/8" back plate