

The Kytola® Variable Area Flow Meter Model EA with adjustable flow alarm is designed for applications where continuous flow control is essential.



- Adjustable alarm
- Adjustable flow rate
- Several flow ranges
- Various alarm sensor choices
- Scales for alternative liquids and gases

ISO 9001 ISO 14001

FLOW METER WITH ADJUSTABLE ALARM EA

The adjustable flow alarm and clear scale guarantees easy and reliable flow monitoring.

FEATURES

Max. flow 40 USGPH (2.5 L/min) H₂O

Max. flow 170 SCFH (90 NL/min) air
at 14.7 psia (1.013 bar abs)

Max. pressure 145 psi (10 bar)

Max. temperature 167°F (75°C)

Clear, easy-to-read scale

Reliable operation

Acrylic (PMMA) body

TYPICAL APPLICATIONS

Heat treatment ovens

Automatic welding lines

Model	EA
Max. pressure	145 psi (10 bar)
Max. temperature	167°F (75°C)
Accuracy	±5% F.S. (H ₂ O 70°F/20°C)
Connections	G 1/4", thread adapters must be used for NPT connections
Alarm sensor	NAMUR or PNP/NPN (optional sensors available)
Body	Acrylic (PMMA)
Alarm float	Stainless steel AISI 316
Valve housings/plugs	Nylon or stainless steel AISI 316
Valve spindles	Stainless steel AISI 316
Seals	Nitrile (*Viton, EPDM)
Weight	13 oz (360 g)

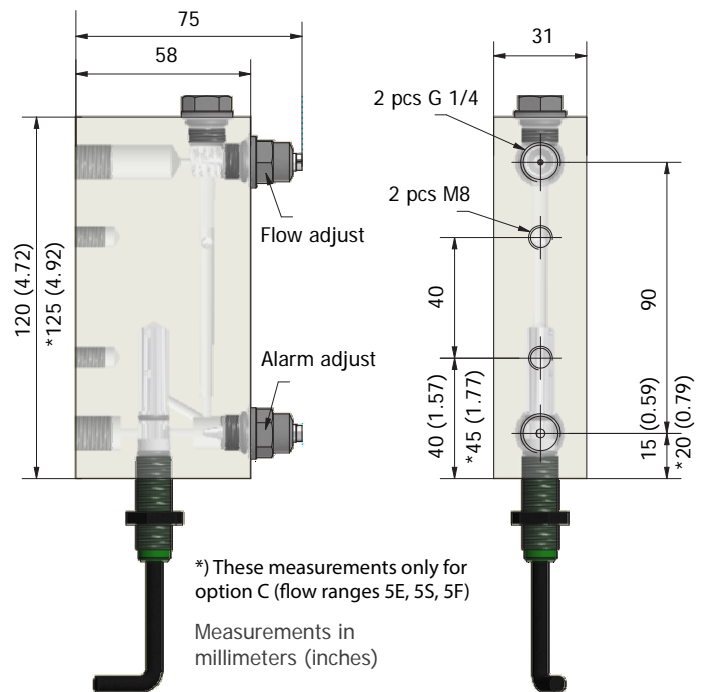
*) Special construction on request

EA				
Valve Housing / Plug Material				
AISI 316				H
Nylon				K
Flow Range H₂O		Flow Range Air		
USGPH	L/min	SCFH*	NL/min*	
0.02 – 0.24	2 – 15 mL/min	0.2 – 1.9	0.1 – 0.8	2K*
0.05 – 0.475	2.5 – 30 mL/min	0.2 – 2.7	0.1 – 1.2	2L*
0.1 – 0.8	5 – 50 mL/min	0.6 – 3.8	0.2 – 1.7	2M*
0.15 – 1.35	10 – 80 mL/min	1 – 6.0	0.4 – 2.6	2N*
0.1 – 1.8	0.01 – 0.11	0.5 – 12	0.5 – 5	3K*
0.2 – 3.0	0.02 – 0.18	1 – 15	0.5 – 6.5	3L*
0.5 – 5.0	0.025 – 0.3	2 – 20	0.5 – 9	3M*
0.5 – 7.0	0.05 – 0.45	2.5 – 27.5	1 – 12	3N*
1 – 8.0	0.05 – 0.5	4 – 42	2 – 18	4B*
1 – 18	0.1 – 1.1	10 – 75	4 – 32	4A*
5 – 25	0.2 – 1.6	15 – 100	6 – 44	5E*
2.5 – 35	0.2 – 2.2	10 – 140	5 – 60	5S*
5 – 40	0.5 – 2.5	30 – 170	15 – 75	5F*
Factory assigned model number for special scale XX				
Scale				
H ₂ O L/min (20°C) (mL/min for 2K...2N)				A
H ₂ O USGPH (70°F)				N
Air NL/min (20°C / 1.013 bar abs)				R
Air SCFH (70°F / 14.7 psia)				V
Dual scale USGPH H ₂ O and SCFH air				L
Relative scale 1–10				D
Factory assigned model number for special scale				XX
Alarm Range H₂O		Alarm Range Air		
USGPH	L/min	SCFH*	NL/min*	
0 – 0.08...5.5	0 – 0.005...0.35	0 – 0.4...22	0 – 0.2...10	A
0 – 0.5...8	0 – 0.03...0.5	0 – 3.2...36	0 – 1.5...17	B
0 – 8...∞	0 – 0.5...∞	0 – 50...∞	0 – 20...∞	C
Sensors				
PNP/NPN (2-wire) 10 – 55 VDC				F
NAMUR				N
Features				
Screw driver adjustable valves				blank
Hand knobs in valves				H
Nitrile seals				blank
Viton seals				V
EPDM seals				Y
Standard feature: leave blank				
Special feature: choose character				

*Example air ranges at 70°F/14.7 psia (20°C/1.013 bar abs) for calibration purpose only

NPT Adapters (two required)

ZADR1/4NK - Nylon, 1/4" G x 1/4" NPT
 ZADR1/4N3/8K - Nylon, 1/4" G x 3/8" NPT
 ZADR1/4N3/8H - AISI316, 1/4" G x 3/8" NPT
 ZADR1/4NH - AISI316, 1/4" G x 1/4" NPT



*) These measurements only for option C (flow ranges 5E, 5S, 5F)

Measurements in millimeters (inches)

NOTE: Flow ranges 5E, 5S, 5F only with option C

NOTE: The gas scale always has to be calibrated according to the actual medium, inlet pressure, and temperature.

NOTE: When ordering special flow meters (range or scale or both), process conditions must be mentioned.

PRODUCT CODE EXAMPLES

Standard product code	EAK-2KA-AN-HV
Special product code	EAH-XXXX-BF
Medium	CO ₂
Max flow rate	13 NL/min
Min flow rate	1 NL/min
Operating pressure	2 bar(g)
Operating temperature	+20°C
Alarm flow rate	0 – 2.1...13 NL/min (adjustable 2.1...13 NL/min, always activated 0 – 2.1 NL/min)

Kytola
INSTRUMENTS

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