

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

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



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

ISO 9001:2008 ISO 14001:2004

FLOW METER WITH ADJUSTABLE ALARM EA

FEATURES

Max. flow 40 USGPH (2.5 L/min)
H₂O

Max. flow 200 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

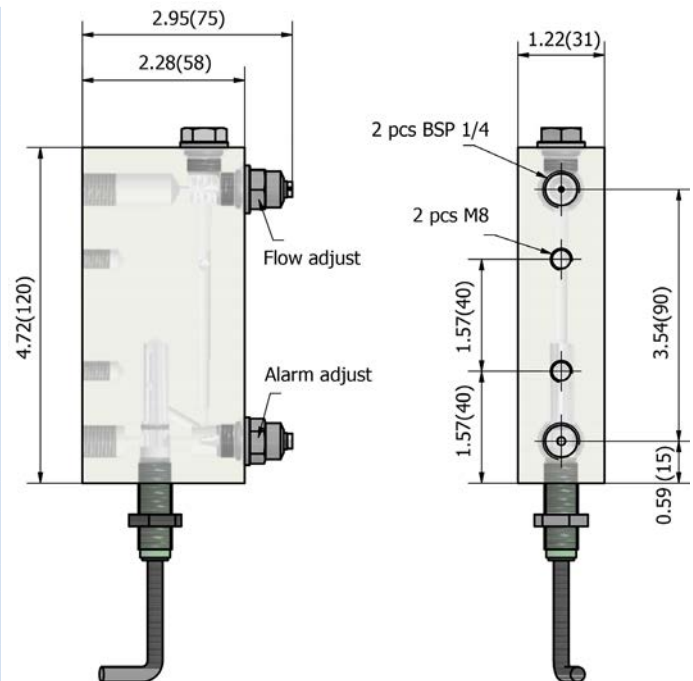
Model	EA
Max. pressure	145 psi (10 bar)
Max. temperature	167°F (75°C)
Accuracy	±5% F.S. (H ₂ O 68°F/20°C)
Connections	BSP 1/4", thread adapters must be used for NPT connections
Alarm sensor	NAMUR or PNP/NPN
Body	Acrylic (PMMA)
Alarm float	Stainless steel AISI 316
Valve housings/plugs	Nylon or stainless steel AISI 316
Valve spindles	Stainless steel AISI 316
Seals	Nitrile (*Viton, EPDM)
Weight	13 oz (360 g) *) Special construction on request

Valve Housing / Plug Material				
AISI 316			H	
Nylon			K	
Flow Range H ₂ O		Flow Range Air		
USGPH	L/min	SCFH*	NL/min*	
0.02 – 0.26	2 – 16 mL/min	0.2 – 2.0	0.1 – 0.8	2K*
0.05 – 0.50	2.5 – 30 mL/min	0.2 – 2.8	0.1 – 1.2	2L*
0.1 – 0.85	5 – 55 mL/min	0.5 – 4.0	0.2 – 1.8	2M*
0.2 – 1.4	10 – 80 mL/min	1 – 6.0	0.4 – 2.6	2N*
0.1 – 1.8	0.01 – 0.11	1 – 13	0.5 – 5.5	3K*
0.2 – 3.0	0.02 – 0.18	2 – 16	0.5 – 7.0	3L*
0.5 – 5.0	0.025 – 0.3	2 – 20	1 – 9	3M*
0.5 – 7.0	0.05 – 0.45	2.5 – 27.5	1 – 12	3N*
1 – 8.0	0.05 – 0.5	5 – 45	2 – 20	4B*
1 – 18	0.1 – 1.1	5 – 85	2 – 36	4A*
5 – 25	0.2 – 1.6	20 – 100	7.5 – 47.5	5E*
2.5 – 35	0.2 – 2.2	20 – 160	5 – 70	5S*
5 – 40	0.5 – 2.5	40 – 200	10 – 90	5F*
Factory assigned model number for special scale				XX
Scale				
H ₂ O (L/h) at +20°C (mL/min for 2K...2N)				A
H ₂ O scale USGPH (70°F)				N
Air (NL/h) at +20°C / 1.013 bar (abs)				R
Air scale 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 H ₂ O		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				
Without sensor				D
PNP/NPN (2-wire)				F
NAMUR				N
Special Features				
Hand knob in valve				H
Viton seals				V
EPDM seals				Y

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



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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