

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) H<sub>2</sub>O

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

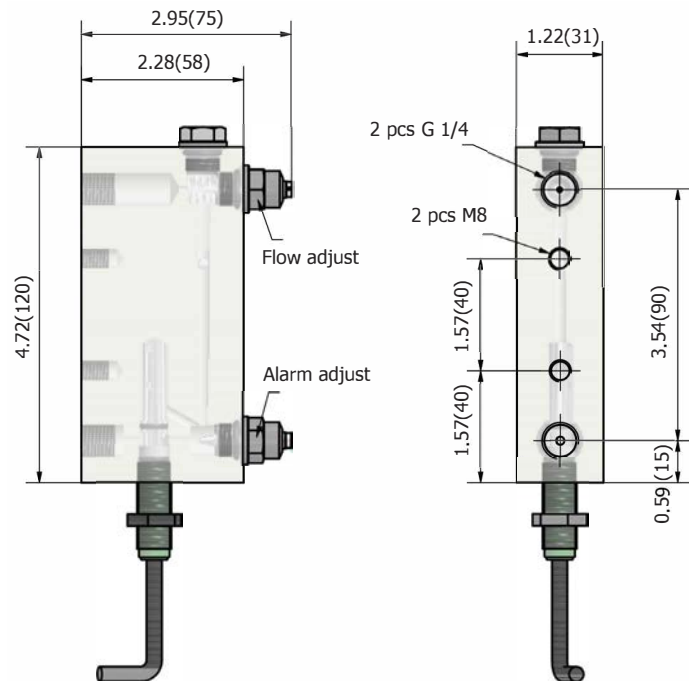
Max. pressure	145 psi (10 bar)
Max. temperature	167°F (75°C)
Accuracy	±5% F.S. (H <sub>2</sub> O 70°F/20°C)
Connections	G ¼", thread adapters must be used for NPT connections
Alarm sensor	NAMUR or PNP/NPN (optional sensors available)
Body	Acrylic (PMMA)
Alarm float	Stainless steel AISI 316
Valve housings/plugs	Nylon or stainless steel AISI 316
Valve spindles	Stainless steel AISI 316
Seals	Nitrile (*Viton, EPDM)
Weight	13 oz (360 g) <span style="float: right;">*) Special construction on request</span>

Valve Housing / Plug Material		Flow Range H <sub>2</sub> O		Flow Range Air		Scale
AISI 316	Nylon	USGPH	L/min	SCFH*	NL/min*	
H	K	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 <b>XX</b>						
Alarm Range H <sub>2</sub> O		Alarm Range Air		Sensors		
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		
Features		Sensors				
Screw driver adjustable valves	blank			F		
Hand knobs in valves	H			N		
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	ZADR1/4NH - AISI316, 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



**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 <sub>2</sub>
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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