

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 ISO 14001

## FLOW METER WITH ADJUSTABLE ALARM EA

### 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

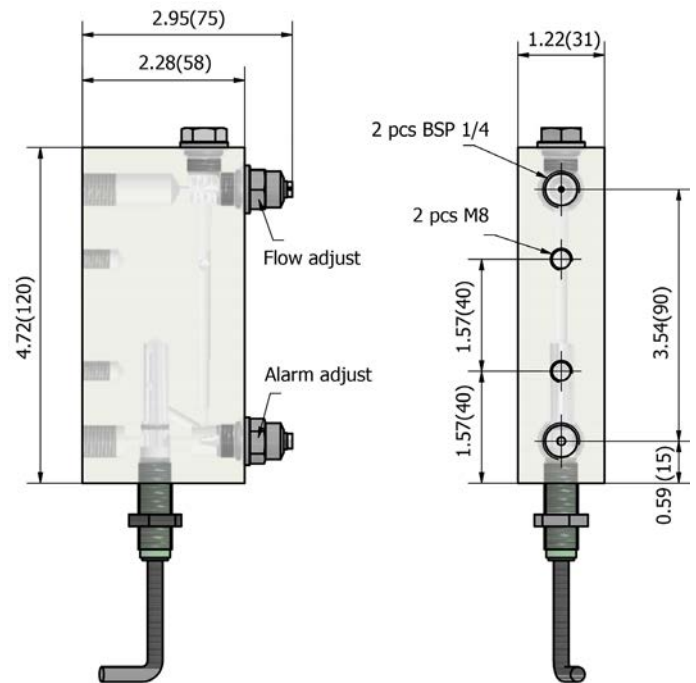
Model	EA
Max. pressure	145 psi (10 bar)
Max. temperature	167°F (75°C)
Accuracy	±5% F.S. (H <sub>2</sub> O 68°F/20°C)
Connections	BSP 1/4", thread adapters must be used for NPT connections
Alarm sensor	NAMUR or PNP/NPN (optional sensors available)
Body	Acrylic (PMMA)
Alarm float	Stainless steel AISI 316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

Valve Housing / Plug Material				
AISI 316				H
Nylon				K
Flow Range H <sub>2</sub> 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 <sub>2</sub> O (L/h) at +20°C (mL/min for 2K...2N)				A
H <sub>2</sub> O USGPH (70°F)				N
Air (NL/h) at +20°C / 1.013 bar (abs)				R*
Air SCFH (70°F, 14.7 psia)				V*
Dual scale USGPH H <sub>2</sub> O and SCFH air				L
Relative scale 1–10				D
Factory assigned model number for special scale XX				
Alarm Range H <sub>2</sub> 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				
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" 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 <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

www.kytola.ca



#### Kytola Instruments Inc.

900 Old Roswell Lakes Parkway, Suite 120  
Roswell, GA 30076, USA  
Tel: +1 678 701 3569  
Fax: +1 514 448 5151  
E-mail: flow@kytola.ca