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Kytola INSTRUMENTS

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

FLOW METER WITH ADJUSTABLE ALARM
EA

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

FEATURES

Max. flow 40 USGPH (2.5 L/min) H_2O
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

EA TECHNICAL DATA

Model	EA
Max. pressure	145 psi (10 bar)
Max. temperature	167°F (75°C)
Accuracy	±5% F.S. (H_2O 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)

*) Special construction on request

EA ■ – ■■ ■ – ■ ■ – ■

Valve Housing / Plug Material

AISI 316	H
Nylon	K

Flow Range H_2O USGPH	Flow Range H_2O L/min	Flow Range Air SCFH*	Flow Range Air 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_2O (L/h) at +20°C (mL/min for 2K...2N)	A
H_2O 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_2O and SCFH air	L
Relative scale 1–10	D
Factory assigned model number for special scale	XX

Alarm Range H_2O USGPH	Alarm Range H_2O L/min	Alarm Range Air SCFH*	Alarm Range Air 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

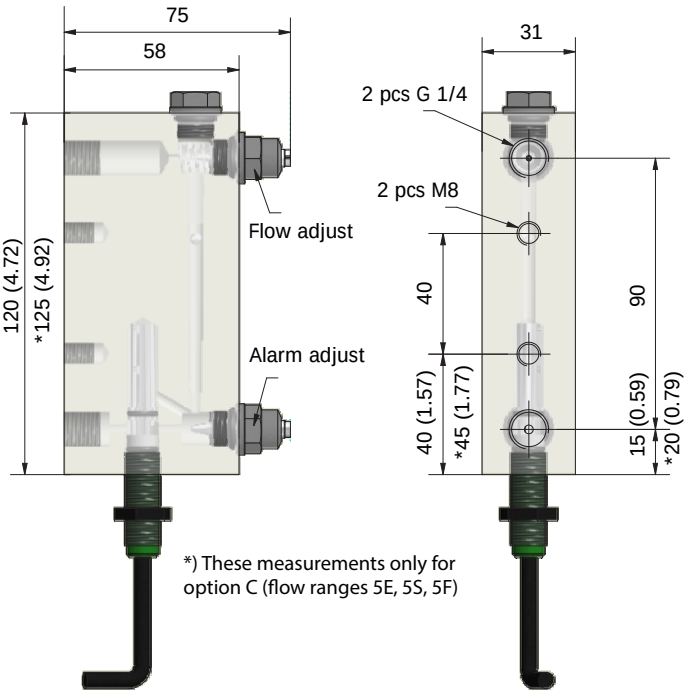
PNP/NPN (2-wire) 10 – 55 VDC	F
NAMUR	N

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



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)

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

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MANAGEMENT SYSTEM CERTIFICATION DNV·GL ISO 9001 = ISO 14001

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