

The KYTOLA® Variable Area Flow Meter Model ExK is the multi-tube version of Kytola Model E. It is a reliable and easy-to-read instrument for measuring and monitoring liquid and gas flows.

Model ExK is perfect for multi-point cooling or purging applications where a common inlet with several outlets removes the need for multiple flow meters.



- For liquid or gas
- 2 – 12 flow tubes
- Several flow ranges
- Clear, easy-to-read scale

ISO 9001:2008 ISO 14001:2004

## FLOW METER ExK, ExH

Model ExK comes with many options, and it is also available in customized designs.

### FEATURES

Acrylic body  
Flow adjustment valves

### TYPICAL APPLICATIONS

Water and air purging  
Gas and liquid measurements  
CO<sub>2</sub> control in greenhouses

### OPTIONS

Special scale markings  
Thread adapters  
Hand knobs in valves  
Viton® or EPDM seals

Model	ExK	ExH
Valve housing / plugs	Nylon	AISI 316
Valve spindle	AISI 316	
Body	Acrylic (PMMA)	
Seals	Nitrile (*Viton®, EPDM)	
Max. pressure	290 psi (20 bar), 435 psi at 86°F (30 bar / 30°C)	
Max. temperature	167°F (75°C)	
Connections	BSP 1/4", BSP 1/2", thread adapters must be used for NPT connections	
Accuracy	± 5% F.S. (H <sub>2</sub> O, +20°C)	
Weight	6 oz.(170 g)**	7 oz. (200 g)**

\*Special construction on request \*\*Weight per one flow tube, depends on block size

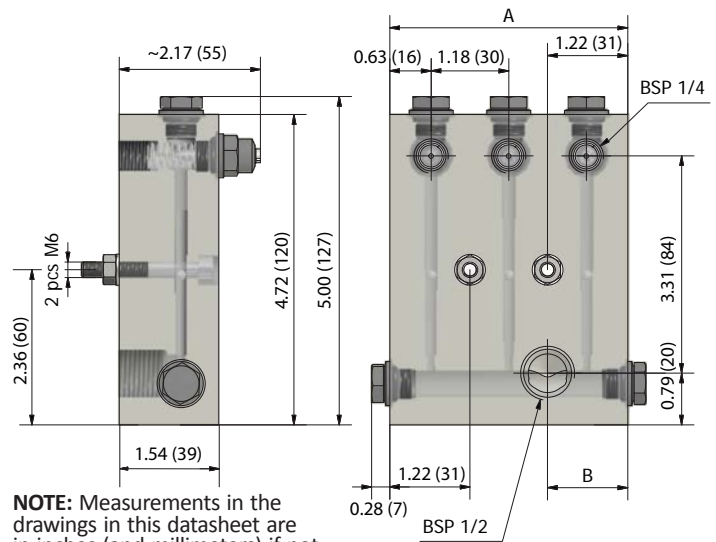
Tubes		Valve Housing / Plug Material		Flow Range H <sub>2</sub> O		Flow Range Air		Model
Number of tubes (2-12)		Nylon	AISI 316	USGPH	L/min	SCFH	NL/min	
	x	K	H	0.02 – 0.26	2 – 16 mL/min	0.2 – 2.0	0.1 – 0.8	2K
				0.05 – 0.50	2.5 – 30 mL/min	0.2 – 2.8	0.1 – 1.2	2L
				0.1 – 0.85	5 – 55 mL/min	0.5 – 4.0	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	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

Scale	
H <sub>2</sub> O (L/min) at +20°C (mL/min for 2K...2N)	A
H <sub>2</sub> O scale USGPH (70°F)	N
Air scale NL/min (20°C, 1.013 bar abs)	R
Air scale SCFH (70°F, 14.7 psia)	V
Dual scale USGPH H <sub>2</sub> O and SCFH air	L
Relative scale 1-10	D

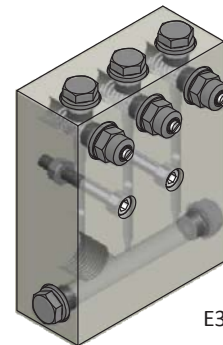
Special Features	
Nitrile seals	standard, leave empty
Hand knob	H
Viton® seals	V
EPDM seals	Y



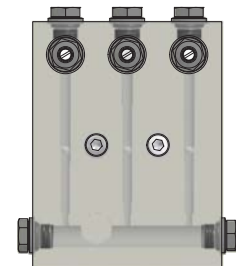
NOTE: Measurements in the drawings in this datasheet are in inches (and millimeters) if not stated otherwise.

	E2K	E3K	E4K	E5K	E6K	E7K	E8K	E9K	E10K	E11K	E12K
A	2.44 (62)	3.62 (92)	4.80 (122)	5.98 (152)	7.16 (182)	8.35 (212)	9.53 (242)	10.71 (272)	11.89 (302)	13.07 (332)	14.25 (362)
B	1.22 (31)	1.22 (31)	2.40 (61)	2.40 (61)	3.58 (91)	3.58 (91)	4.76 (121)	4.76 (121)	5.94 (151)	5.94 (151)	7.13 (181)

NOTE: These measurements apply to ExK and ExH



E3K front view



NOTE: Thread adapters must be used for NPT connections.

#### NPT Adapters

ZADR1/4NK Nylon thread adapter 1/4" BSP to 1/4" NPT (outlet)  
 ZADR1/4N3/8K Nylon thread adapter 1/4" BSP to 3/8" NPT (outlet)  
 ZADR1/2N3/8K Nylon thread adapter 1/2" BSP to 3/8" NPT (inlet)  
 ZADR1/2NK Nylon thread adapter 1/2" BSP to 1/2" NPT (inlet)  
 ZADR1/2N3/4K Nylon thread adapter 1/2" BSP to 3/4" NPT (inlet)

**Kytola**  
INSTRUMENTS

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