

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.



FLOW METER ExK, ExH

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

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

ISO 9001 ISO 14001

FEATURES

- Acrylic body
- Flow adjustment valve on the outlet

TYPICAL APPLICATIONS

- Water and air purging
- Gas and liquid measurements
- CO₂ 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	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	G 1/4", G 1/2", thread adapters must be used for NPT connections	
Valve location	Outlet	
Accuracy	±5% F.S. (H ₂ O, 70°F/20°C)	
Weight	6 oz (170 g) per flow tube	7 oz (200 g) per flow tube
*Special construction on request		

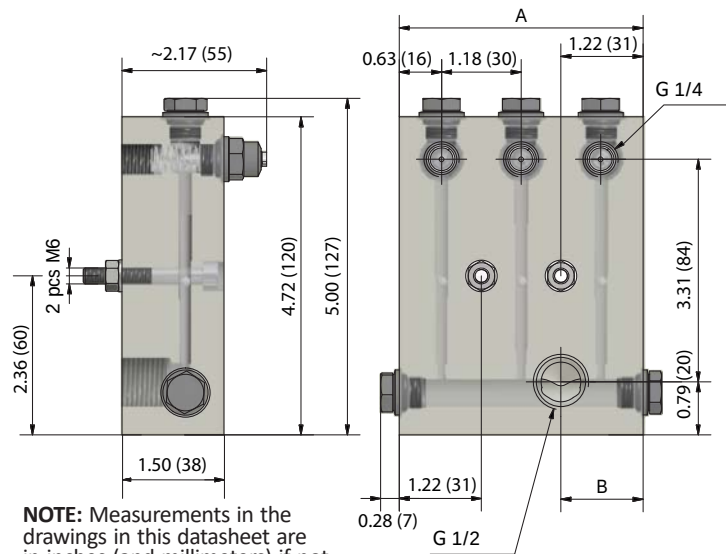
E								
Tubes								
Number of tubes (2–12)				x				
Valve Housing / Plug Material								
Nylon				K				
AISI 316				H				
Flow Range H ₂ O		Flow Range Air*						
USGPH	L/min	SCFH	NL/min					
0.02 – 0.24	2 – 15 mL/min	(0.2 – 1.9)*	(0.1 – 0.8)*	2K				
0.05 – 0.475	2.5 – 30 mL/min	(0.2 – 2.7)*	(0.1 – 1.2)*	2L				
0.1 – 0.8	5 – 50 mL/min	(0.6 – 3.8)*	(0.2 – 1.7)*	2M				
0.15 – 1.35	10 – 80 mL/min	(1 – 6.0)*	(0.4 – 2.6)*	2N				
0.1 – 1.8	0.01 – 0.11	(0.5 – 12)*	(0.5 – 5)*	3K				
0.2 – 3.0	0.02 – 0.18	(1 – 15)*	(0.5 – 6.5)*	3L				
0.5 – 5.0	0.025 – 0.3	(2 – 20)*	(0.5 – 9)*	3M				
0.5 – 7.0	0.05 – 0.45	(2.5 – 27.5)*	(1 – 12)*	3N				
1 – 8.0	0.05 – 0.5	(4 – 42)*	(2 – 18)*	4B				
1 – 18	0.1 – 1.1	(10 – 75)*	(4 – 32)*	4A				
5 – 25	0.2 – 1.6	(15 – 100)*	(6 – 44)*	5E				
2.5 – 35	0.2 – 2.2	(10 – 140)*	(5 – 60)*	5S				
5 – 40	0.5 – 2.5	(30 – 170)*	(15 – 75)*	5F				
Scale								
H ₂ O L/min (20°C) (mL/min for 2K...2N)				A				
H ₂ O USGPH (70°F)				N				
Air NL/min (20°C, 1.013 bar abs)				R				
Air SCFH (70°F, 14.7 psia)				V				
Dual scale USGPH H ₂ O and SCFH air				L				
Relative scale 1–10				D				
Features								
Hand knob				H				
Nitrile seals				blank				
Viton® seals				V				
EPDM seals				Y				
Standard feature: leave blank								
Special feature: choose a character								

*** Air flow ranges 70°F / 14.7 psia (20°C / 1.013 bar abs) for calibration purposes only**

NOTE: Thread adapters must be used for NPT connections.

NPT Adapters

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



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)

