

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 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                                                         | 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 |                            |
| Accuracy              | ±5% F.S. (H <sub>2</sub> O, 70°F/20°C)                           |                            |
| Weight                | 6 oz (170 g) per flow tube                                       | 7 oz (200 g) per flow tube |

\*Special construction on request

**Tubes**Number of tubes (2–12) **x****Valve Housing / Plug Material**Nylon **K**  
AISI 316 **H**

| Flow Range H <sub>2</sub> 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 | <b>2K*</b> |
| 0.05 – 0.475                | 2.5 – 30 mL/min | 0.2 – 2.7      | 0.1 – 1.2 | <b>2L*</b> |
| 0.1 – 0.8                   | 5 – 50 mL/min   | 0.6 – 3.8      | 0.2 – 1.7 | <b>2M*</b> |
| 0.15 – 1.35                 | 10 – 80 mL/min  | 1 – 6.0        | 0.4 – 2.6 | <b>2N*</b> |
| 0.1 – 1.8                   | 0.01 – 0.11     | 0.5 – 12       | 0.5 – 5   | <b>3K*</b> |
| 0.2 – 3.0                   | 0.02 – 0.18     | 1 – 15         | 0.5 – 6.5 | <b>3L*</b> |
| 0.5 – 5.0                   | 0.025 – 0.3     | 2 – 20         | 0.5 – 9   | <b>3M*</b> |
| 0.5 – 7.0                   | 0.05 – 0.45     | 2.5 – 27.5     | 1 – 12    | <b>3N*</b> |
| 1 – 8.0                     | 0.05 – 0.5      | 4 – 42         | 2 – 20    | <b>4B*</b> |
| 1 – 18                      | 0.1 – 1.1       | 10 – 75        | 4 – 32    | <b>4A*</b> |
| 5 – 25                      | 0.2 – 1.6       | 15 – 100       | 6 – 44    | <b>5E*</b> |
| 2.5 – 35                    | 0.2 – 2.2       | 10 – 140       | 5 – 70    | <b>5S*</b> |
| 5 – 40                      | 0.5 – 2.5       | 30 – 170       | 10 – 90   | <b>5F*</b> |

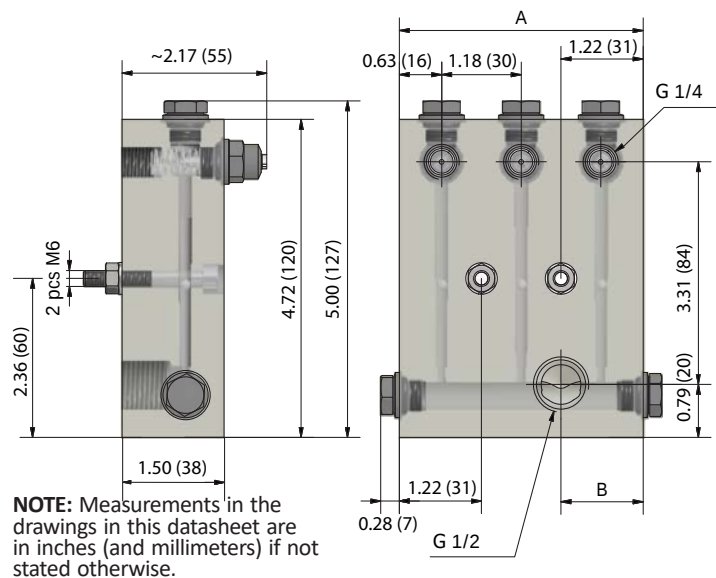
**Scale**

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

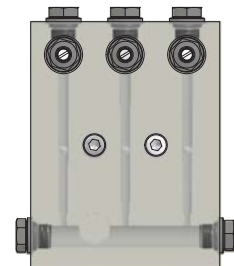
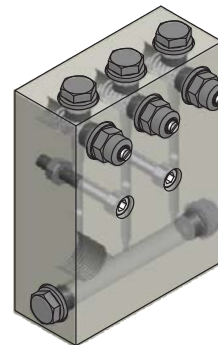
**A**  
**N**  
**R**  
**V**  
**L**  
**D****Features**

Hand knob  
Nitrile seals  
Viton® seals  
EPDM seals

Standard feature: leave blank  
Special feature: choose a character

**H**  
**V**  
**Y**

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



\* Air flow ranges (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)

**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  
flow@kytola.ca