

## TUBING AND FITTINGS

### Description

For the convenience of interconnecting various components offered in this catalog, the following accessory items are available.

### Polyurethane Tubing

The characteristics of polyurethane tubing are very suitable for use with barb connections. A secure, long life connection is obtained with the tubing offered here. Quick-Attach fittings which secure to the outside of tubing are also suitable with the polyurethane offered here. Consult the factory for color tubing.

### Barb Fittings

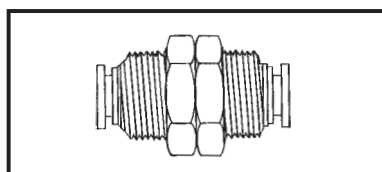
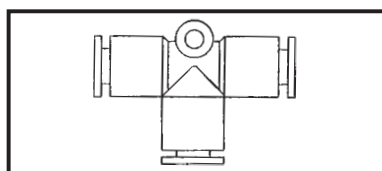
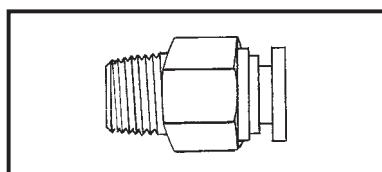
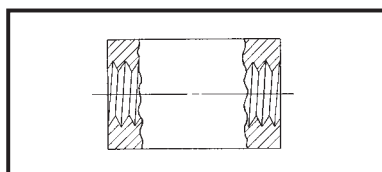
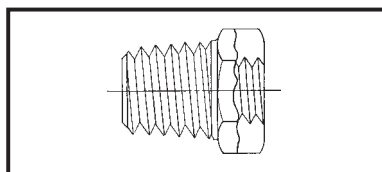
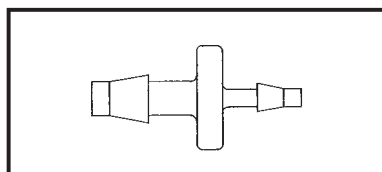
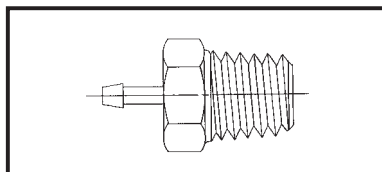
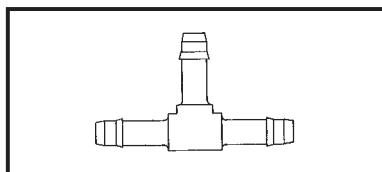
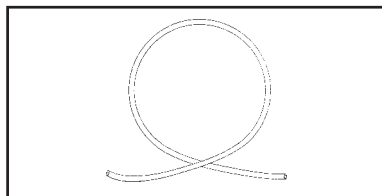
Barb fittings for use with polyurethane tubing provide economical leak-free connections at pressures up to 100 psig at 70°F. The barb OD is sized to adapt to 1/16" or 1/8" polyurethane tubing.

### Threaded Fittings

Reducing bushings provide a convenient transition from one size to another. The 10-32 coupling connects two male threads.

### Quick-Attach Fittings

Recent new developments in quick attach fittings facilitate their use with flexible polyurethane tubing. The Quick-Attach fittings can be easily secured to flexible or rigid tubing and do not require any tools. Secure leak-free attachments at pressure up to 100 psig are readily obtained.



### Specifications

| Part No. | Size               |
|----------|--------------------|
| K150-3   | 1/16" ID x 1/8" OD |
| K150-4   | 1/8" ID x 1/4" OD  |

**Color** – Clear

| Part No. | TEE Barb Size |
|----------|---------------|
| K209-1   | 1/16"         |
| K525-1   | 1/8"          |

**Material** – Brass

| Part No. | Barb  | Thread   |
|----------|-------|----------|
| K210-1   | 1/16" | 1/8" NPT |
| K211-1   | 1/16" | 10-32    |
| K211-2   | 1/8"  | 10-32    |
| K521-1   | 1/8"  | 1/8" NPT |

**Material** – Brass

| Part No. | Barb Adapter Size |
|----------|-------------------|
| KVC1-2   | 1/8" x 1/16"      |

**Material** – Nylon

| Part No.  | Reducing Bushing Size |
|-----------|-----------------------|
| KMPA-1410 | 10-32 x 1/4" NPT      |
| KMPA-1610 | 10-32 x 1/16" NPT     |
| KMPA-1810 | 10-32 x 1/8" NPT      |

**Material** – Brass

| Part No. | Coupling Size |
|----------|---------------|
| K1046-1  | 10-32 X 10-32 |

**Material** – Brass

| Part No.   | Male Connector Thread | Tube    |
|------------|-----------------------|---------|
| OKQH01-32  | 10-32                 | 1/8" OD |
| OKQH07-32  | 10-32                 | 1/4" OD |
| OKQH07-34S | 1/8" NPT              | 1/4" OD |
| OKQH07-35S | 1/4" NPT              | 1/4" OD |

**Material** – Brass/Plastic

| Part No.  | Union Tee Tube Size |
|-----------|---------------------|
| OKQT01-00 | 1/8" OD             |
| OKQT07-00 | 1/4" OD             |

**Material** – Brass/Plastic

| Part No.  | Bulkhead Union Tube Size |
|-----------|--------------------------|
| OKQE01-00 | 1/8" OD                  |
| OKQE07-00 | 1/4" OD                  |

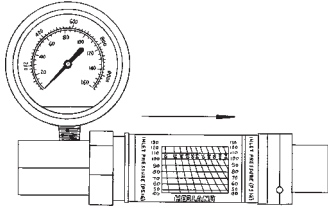
**Material** – Brass/Plastic

# Accessories

## FLOW METERS

### In-Line Flowmeters with Pressure Gage – Air Service

Calibrated for Inlet Pressures 40-100 psig • Vertical ↑ or Horizontal → Mounting

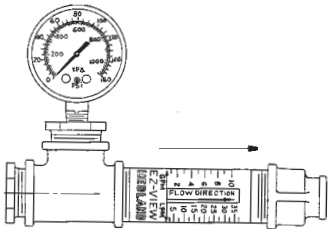


| <u>Part No.*</u> | <u>Pipe Size<br/>Female NPT</u> | <u>Flow Range<br/>SCFM</u> | <u>Approximate Inlet<br/>to Outlet Dim.</u> | <u>Maximum<br/>Height</u> |
|------------------|---------------------------------|----------------------------|---|---------------------------|
| OKC-1000-1       | 1/4"                            | 1-4                        | 6-3/4"                                      | 4-1/4"                    |
| OKC-1000-2       | 1/4"                            | 2-9                        | 6-3/4"                                      | 4-1/4"                    |
| OKC-1000-3       | 1/4"                            | 2-18                       | 6-3/4"                                      | 4-1/4"                    |
| OKC-1000-5       | 1/2"                            | 2-20                       | 9-1/4"                                      | 4-3/4"                    |
| OKC-1000-6       | 1/2"                            | 10-60                      | 9-1/4"                                      | 4-3/4"                    |
| OKC-1000-10      | 3/4"                            | 5-50                       | 10-1/2"                                     | 5-1/4"                    |
| OKC-1000-11      | 3/4"                            | 10-90                      | 10-1/2"                                     | 5-1/4"                    |

\*Maximum Pressure 150 psig; Maximum Temperature 150°F

### In-Line Flowmeters with Pressure Gage – Water Service

Vertical ↑ or Horizontal → Mounting

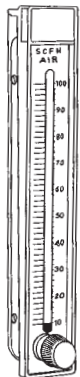


| <u>Part No.*</u> | <u>Pipe Size<br/>Female NPT</u> | <u>Flow Range<br/>GPM</u> | <u>Approximate Inlet<br/>to Outlet Dim.</u> | <u>Maximum<br/>Height</u> |
|------------------|---------------------------------|---------------------------|---|---------------------------|
| OKC-1001-1       | 1/2"                            | 0.5-4                     | 9-1/8"                                      | 5-1/8"                    |
| OKC-1001-2       | 1/2"                            | 1-7                       | 9-1/8"                                      | 5-1/8"                    |
| OKC-1001-3       | 1/2"                            | 1-10                      | 9-1/8"                                      | 5-1/8"                    |
| OKC-1001-4       | 1/2"                            | 1-16                      | 9-1/8"                                      | 5-1/8"                    |
| OKC-1001-6       | 3/4"                            | 1-7                       | 9-3/8"                                      | 5-1/8"                    |
| OKC-1001-8       | 3/4"                            | 1-16                      | 9-3/8"                                      | 5-1/8"                    |
| OKC-1001-10      | 3/4"                            | 4-28                      | 9-3/8"                                      | 5-1/8"                    |
| OKC-1001-13      | 1"                              | 1-10                      | 8-3/4"                                      | 5-1/8"                    |
| OKC-1001-15      | 1"                              | 4-18                      | 8-3/4"                                      | 5-1/8"                    |
| OKC-1001-16      | 1"                              | 4-28                      | 8-3/4"                                      | 5-1/8"                    |

\*Maximum Pressure 150 psig; Maximum Temperature 150°F

### Flowmeters – Air Service – Rotameter Style

Calibrated for Standard Atmospheric Conditions • Vertical ↑ Mounting Only

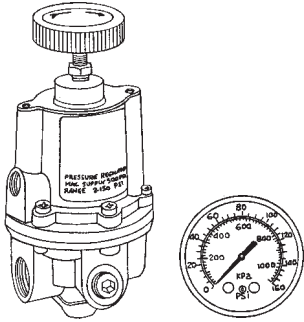


| <u>Part No.*</u> | <u>Air Flow Range<br/>(SCFH)</u> | <u>Dimensions</u>     |                     | <u>Connection</u> | <u>Maximum<br/>Pressure</u> |
|------------------|----------------------------------|-----------------------|---------------------|-------------------|-----------------------------|
|                  |                                  | <u>Overall Height</u> | <u>Scale Length</u> |                   |                             |
| KRMA-1           | .05 - .5                         | 4-9/16"               | 2"                  | 1/8" NPT          | 100 psig                    |
| KRMA-3           | .2 - 2                           | 4-9/16"               | 2"                  | 1/8" NPT          | 100 psig                    |
| KRMA-5           | 1-10                             | 4-9/16"               | 2"                  | 1/8" NPT          | 100 psig                    |
| KRMB-52          | 5-50                             | 8-1/2"                | 5"                  | 1/4" NPT          | 70 psig                     |
| KRMB-54          | 20-200                           | 8-1/2"                | 5"                  | 1/4" NPT          | 70 psig                     |
| KRMC-104         | 40-400                           | 15-1/8"               | 10"                 | 1/2" NPT          | 35 psig                     |
| KRMC-106         | 100-1000                         | 15-1/8"               | 10"                 | 1/2" NPT          | 35 psig                     |
| KRMC-108         | 180-1800                         | 15-1/8"               | 10"                 | 1/2" NPT          | 35 psig                     |

\*Maximum Temperature 130°F

## MISCELLANEOUS

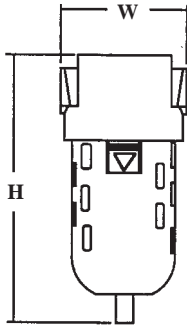
### Precision Air Pressure Regulators



| <u>Part No.*</u> | <u>Part No. With Gage</u> | <u>Size</u> | <u>Output Pressure</u> | <u>Supply (max.)</u> | <u>Dimensions</u> |
|------------------|---------------------------|-------------|------------------------|----------------------|-------------------|
| OKC-1045-1       | OKC-1045-1G               |             | 0-2 psig               |                      |                   |
| OKC-1045-2       | OKC-1045-2G               |             | 0-10 psig              |                      | Inlet to          |
| OKC-1045-3       | OKC-1045-3G               | 1/4"        | 0-20 psig              |                      | Outlet < 3"       |
| OKC-1045-4       | OKC-1045-4G               | NPT         | 0-30 psig              | 400 psig             |                   |
| OKC-1045-5       | OKC-1045-5G               |             | 0-60 psig              |                      | Height            |
| OKC-1045-6       | OKC-1045-6G               |             | 0-160 psig             |                      | 6-1/2" max.       |

\*Maximum Pressure 150 psig; Maximum Temperature 150°F

### Fine Air Filters

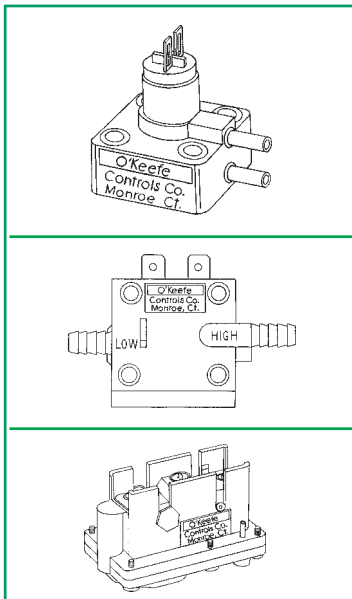


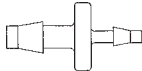
| <u>Part No.**</u> | <u>Connection Size</u> | <u>Micron Rating</u> | <u>Drain</u> | <u>Dimensions</u> |          | <u>Max. Flow SCFM</u> | <u>Max. Pressure*</u> |
|-------------------|------------------------|----------------------|--------------|-------------------|----------|-----------------------|-----------------------|
|                   |                        |                      |              | <u>W</u>          | <u>H</u> |                       |                       |
| OKC-1379          | 1/4" NPT               | 5                    | Manual       | 1.5"              | 3.6"     | 3                     | 150 psig              |
| OKC-1380          | 1/4" NPT               | .01                  | Manual       | 1.5"              | 3.6"     | 3                     | 150 psig              |
| OKC-739           | 1/4" NPT               | 5                    | Auto         | 3.0"              | 7.5"     | 10                    | 150 psig              |
| OKC-740           | 1/4" NPT               | .01                  | Auto         | 3.0"              | 7.5"     | 10                    | 150 psig              |
| OKC-730           | 1/4" NPT               | 5                    | Auto         | 3.3"              | 8.2"     | 20                    | 150 psig              |
| OKC-731           | 1/4" NPT               | .01                  | Auto         | 3.3"              | 8.2"     | 20                    | 150 psig              |

\*Maximum Operating Temperature 125°F

\*\* Filter Bowls are polycarbonate. Metal bowl guard included.

### Low Pressure Air/Electric Switches



| <u>Part No.</u> | <u>Dimensions</u>             | <u>Connections</u>   | <u>Switching Pressure</u>        | <u>Maximum Pressure</u> | <u>Type</u>            | <u>Maximum Current</u>   |
|-----------------|-------------------------------|--|----------------------------------|-------------------------|------------------------|--------------------------|
| OKC-819         | 3/4" x 3/4" x 1" h            | (2) 1/16" barb   | 1" H <sub>2</sub> O              | 1 psig                  | Single or Differential | 60 ma @ 120/60           |
|                 |                               | <i>OKC-819-1 Normally Open</i>   | <i>OKC-819-2 Normally Closed</i> |                         |                        |                          |
| OKC-661         | 1-7/8" x 1" x 3/8" h          | (2) 1/8" barb  | 1/2" H <sub>2</sub> O            | 1 psig                  | Single or Differential | 200 ma @ 30 VDC          |
|                 |                               |  (part number KVC1-2 - 1/8" x 1/16" barb reducer) |                                  |                         |                        |                          |
| OKC-664         | 1-9/16" x 2-5/8" x 1-21/32" h | (1) 1/16" barb   | 4" H <sub>2</sub> O              | 5 psig                  | Single SPDT            | 10 amps @ 125 or 250 VDC |