

# TENTUBE SERIES CONNECTOR



CONNECT UP TO 10 TUBES  
IN ONE EASY MOTION!

**The Tentube™ coupling** provides one easy-to-use quick disconnect for up to ten separate fluid lines. The Tentube is available with valves on the body side in panel mount or in-line configurations for maximum design flexibility. The Tentube can connect and disconnect up to ten lines with the use of a simple slide latch. Tubing orientation is ensured by keying the coupling body and insert. Different fluids and tubing sizes can be accommodated by using acetal or polypropylene inserts in three popular sizes.

## FEATURES

- Ten line connection
- Separate flow paths
- Insert is keyed to body
- Acetal or polypropylene inserts

## BENEFITS

- Fast, efficient operation
- Pressure and/or vacuum in one coupling
- Ensures correct line orientation
- Maximize design flexibility

## Specifications

### PRESSURE:

Vacuum to 100 psi, 6.9 bar per line

### TEMPERATURE:

**Acetal fitting inserts:**  
-40°F to 180°F (-40°C to 82°C)

**Polypropylene fitting inserts:**  
32°F to 180°F (0°C to 82°C)

### MATERIALS:

**Main components:** Nylon

**Valves:** Acetal

**Valve springs:** 316 stainless steel

**Fitting inserts:** Acetal or polypropylene

**O-rings:** Buna-N with acetal  
or EPDM with polypropylene

**Panel mount adapter:** Acetal

**Tube shroud:** Acetal

### COLOR:

**Main components:**

Black with red locking latch

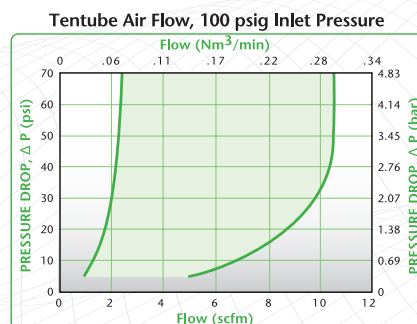
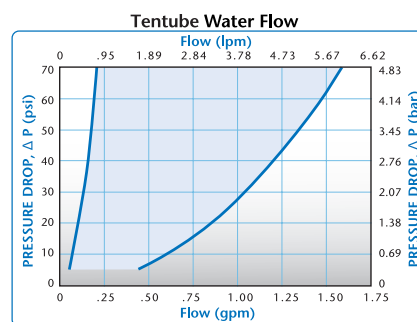
**Tube shroud:** Black

**Panel mount adapter:** Black

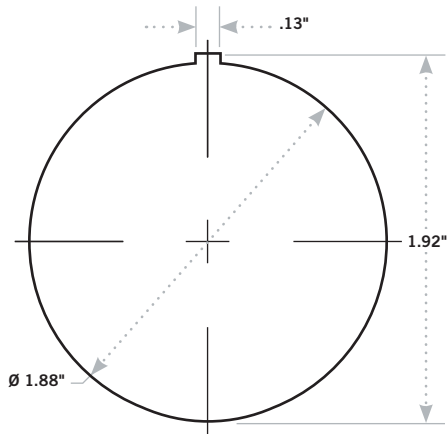
### TUBING SIZES:

1/16" to 1/8" ID, 1.6mm to 3.2mm ID

These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.



# TENTUBE DIMENSIONS



## Panel Dimensions

|                 | PANEL<br>OPENING | PANEL THICKNESS<br>MAX.—MIN. |
|-----------------|------------------|------------------------------|
| COUPLING BODIES | see drawing      | .44— .06                     |

## Fitting Bodies • ACETAL/POLYPROPYLENE



### TERMINATION COMPLETE COUPLING SET

### COUPLING BODY WITH FEMALE FITTING BODIES

### COUPLING INSERT WITH MALE FITTING INSERTS

| TUBING SIZE             | METRIC EQ. | ACETAL<br>STRAIGHT THRU | ACETAL<br>SHUTOFF | POLYPROPYLENE<br>STRAIGHT THRU |
|-------------------------|------------|-------------------------|-------------------|--------------------------------|
| 1/16" ID                | 1.6mm ID   | TT1001                  | TTD1001           | TT100112                       |
| 1/8" ID                 | 3.0mm ID   | TT10M3                  | TTD10M3           |                                |
| 1/8" ID                 | 3.2mm ID   | TT1002                  | TTD1002           | TT100212                       |
| 1/16" ID                | 1.6mm ID   | TFB1001                 | TFBD1001          | TFB100112                      |
| 1/8" ID                 | 3.0mm ID   | TFB10M3                 | TFBD10M3          |                                |
| 1/8" ID                 | 3.2mm ID   | TFB1002                 | TFBD1002          | TFB100212                      |
| Without fitting bodies  |            | TFB10                   |                   |                                |
| 1/16" ID                | 1.6mm ID   | TMB1001                 |                   | TMB100112                      |
| 1/8" ID                 | 3.0mm ID   | TMB10M3                 |                   |                                |
| 1/8" ID                 | 3.2mm ID   | TMB1002                 |                   | TMB100212                      |
| Without fitting inserts |            | TMB10                   |                   |                                |

## Fitting Inserts • ACETAL/POLYPROPYLENE



### TERMINATION IN-LINE HOSE BARB

### IN-LINE HOSE BARB (FEMALE)

| TUBING SIZE | METRIC EQ. | ACETAL<br>STRAIGHT THRU | ACETAL<br>SHUTOFF | POLYPROPYLENE<br>STRAIGHT THRU |
|-------------|------------|-------------------------|-------------------|--------------------------------|
| 1/16" ID    | 1.6mm ID   | TMF01                   |                   | TMF0112                        |
| 1/8" ID     | 3.0mm ID   | TMFM3                   |                   |                                |
| 1/8" ID     | 3.2mm ID   | TMF02                   |                   | TMF0212                        |
| 1/16" ID    | 1.6mm ID   | TFF01                   | TFFD01            | TFF0112                        |
| 1/8" ID     | 3.0mm ID   | TFFM3                   | TFFDM3            |                                |
| 1/8" ID     | 3.2mm ID   | TFF02                   | TFFD02            | TFF0212                        |

Note: Acetal bodies and inserts are also available in white. To order, add MWHT to the end of the part number.

## Accessories



### DESCRIPTION

**TUBE SHROUD:** snaps into either half

### PART NO.

TS10

**PANEL MOUNT ADAPTER & NUT:** 7/16" max. panel thickness; requires 1.875" diameter hole

TPM10

Note: Use TMF and TFF inserts and bodies for custom designed assemblies.

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted.