

# CHROME-PLATED QUICK COUPLINGS

# CHROME-PLATED BRASS

**1/8" Flow**

- ✓ Rugged Stainless Steel and Chrome-Plated Brass Construction
- ✓ Pipe Thread, Panel Mount, In Line and Elbow Configurations
- ✓ Attractive Appearance
- ✓ Single Side, Double Side Shutoff or Straight Thru Flow

## Applications

- ✓ Air Lines
- ✓ Beverage Supply Lines
- ✓ Instrumentation
- ✓ Water Lines

**FT-MC Series**



FT-MC Series couplings offer 1/8" flow along with the durability and attractiveness of Chrome-Plated Brass. They provide excellent service at higher pressures.

† Visit [omega.com/rohs](http://omega.com/rohs) to determine specific RoHS compliance.

## Coupling Bodies 1/8" Flow

| To Order                |                                           |                     |                                |                          |                      |
|-------------------------|-------------------------------------------|---------------------|--------------------------------|--------------------------|----------------------|
| <b>Pipe Thread</b><br>  | <b>Male Thread</b>                        | <b>Metric Eq</b>    | <b>Straight Thru Model No.</b> | <b>Shutoff Model No.</b> | <b>Length (inch)</b> |
|                         | 1/8 NPT                                   | —                   | FT-MC10-02                     | FT-MCD10-02              | 1.10                 |
|                         | 1/4 NPT                                   | —                   | FT-MC10-04                     | FT-MCD10-04              | 1.10                 |
|                         | 1/8 BSPT                                  | —                   | FT-MC10-02BS                   | FT-MCD10-02BS            | 1.00                 |
|                         | 1/4 BSPT                                  | —                   | FT-MC10-04BS                   | FT-MCD10-04BS            | 1.10                 |
| <b>Panel Mount*</b><br> | <b>Ferruleless Polytube Fitting†† PTF</b> |                     |                                |                          |                      |
|                         | <b>Tubing Size OD x ID</b>                | <b>Metric EQ mm</b> | <b>Straight Thru Model No.</b> | <b>Shutoff Model No.</b> | <b>Length (inch)</b> |
|                         | 5/32 x 0.10"                              | 4 x 2.5             | FT-MC12-025                    | FT-MCD12-025             | 1.67                 |
|                         | 1/4 x 0.170"                              | 6 x 4.3             | FT-MC12-04                     | FT-MCD12-04              | 1.77                 |
|                         | <b>Hose Barb</b>                          |                     |                                |                          |                      |
|                         | 1/8" ID                                   | 3.2 ID              | FT-MC16-02                     | FT-MCD16-02              | 1.67                 |
|                         | 3/16" ID                                  | 4.8 ID              | FT-MC16-03                     | FT-MCD16-03              | 1.89                 |
|                         | 1/4" ID                                   | 6.4 ID              | FT-MC16-04                     | FT-MCD16-04              | 1.89                 |
|                         | <b>Female Thread</b>                      |                     |                                |                          |                      |
|                         | 10-32 UNF                                 | —                   | FT-MC18-1032                   | FT-MCD18-1032            | 1.25                 |
| <b>In Line</b><br>      | <b>Male Thread</b>                        |                     |                                |                          |                      |
|                         | 1/8 NPT                                   | —                   | FT-MC15-02                     | FT-MCD15-02              | 1.20                 |
|                         | <b>Ferruleless Polytube Fitting†† PTF</b> |                     |                                |                          |                      |
|                         | <b>Tubing Size OD x ID</b>                | <b>Metric EQ mm</b> | <b>Straight Thru Model No.</b> | <b>Shutoff Model No.</b> | <b>Length</b>        |
|                         | 1/4 x 0.170"                              | 6 x 4.3             | FT-MC13-04                     | FT-MCD13-04              | 1.77                 |
|                         | <b>Hose Barb</b>                          |                     |                                |                          |                      |
|                         | 1/8" ID                                   | 3.2 ID              | FT-MC17-02                     | FT-MCD17-02              | 1.65                 |
|                         | 3/16" ID                                  | 4.8 ID              | FT-MC17-03                     | FT-MCD17-03              | 1.65                 |
|                         | 1/4" ID                                   | 6.4 ID              | FT-MC17-04                     | FT-MCD17-04              | 1.85                 |

\* Panel Opening = 1/2" Diameter Maximum Panel Thickness = 1/2" (except 1/8" pipe thread = 0.21"). Minimum Panel Thickness = 0.050"  
 Panel Nuts = 5/8" Hex

†† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon, etc. and polyurethane tubing. Acetal and Chrome-Plated Brass coupling halves interchange.

**Ordering Examples:** FT-MCD16-04, Panel mount body, 1/8" flow with shutoff valve, 1/4" ID tubing, FT-MCD22-04, hose barb insert.

FT-MC16-02, 1/8" ID panel mount body and FT-MC22-03, hose barb fitting.

## SPECIFICATIONS

**Working Pressure:** Vacuum to 17.3 bar (250 psi)

**Operating Temperature:** -40 to 82°C

(-40 to 180°F) continuous

### Materials:

**Bodies:** Chrome-Plated Brass

**Valves:** Acetal

**Valve Spring:** 316 Stainless Steel

**External Springs, Pin, Latch:** Stainless Steel

**Seals:** Buna, others available

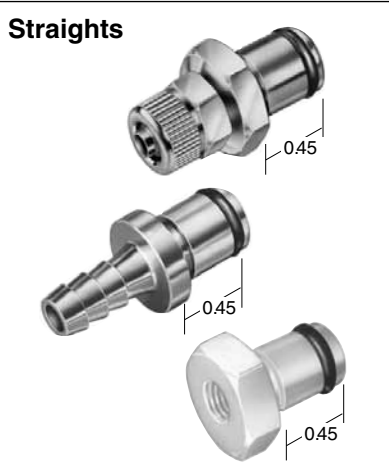
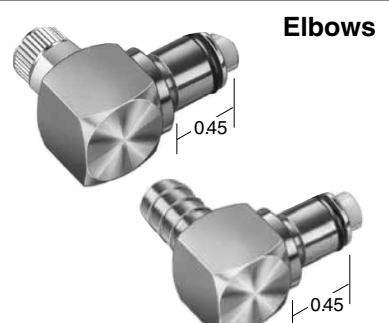
**Tubing Sizes:** 1/8 thru 1/4" ID

5/32, 1/4 and 3/8" OD 5 thru 10 x 6.5 mm (OD x ID)



Chrome-Plated Brass Couplings for high temperatures and pressures.

## Inserts 1/8" Flow

| To Order                                                                                                                                                               |                                                |              |                            |                      |               |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------|----------------------------|----------------------|---------------|------|
|                                                                                       | Thread                                         |              | Straight Thru Model No.    | Shutoff Model No.    | Length (inch) |      |
|                                                                                                                                                                        | 1/8 NPT                                        |              | FT-MC24-02                 | FT-MCD24-02          | MC            | MCD  |
|                                                                                                                                                                        | 1/4 NPT                                        |              | FT-MC24-04                 | FT-MCD24-04          | 1.03          | 1.33 |
|                                                                                                                                                                        | 1/8 NPT Female                                 |              | FT-MC26-02                 | FT-MCD26-02          | 1.13          | 1.30 |
|                                                                                                                                                                        | 1/4 NPT Female                                 |              | FT-MC26-04                 | FT-MCD26-04          | 0.95          | 1.55 |
|                                                                                      | Ferruleless Polytube Fitting <sup>††</sup> PTF |              |                            |                      |               |      |
|                                                                                                                                                                        | Tubing Size OD x ID                            | Metric EQ mm | Straight Thru Model No.    | Shutoff Model No.    | Length (inch) |      |
|                                                                                                                                                                        | 1/4" x 0.170"                                  | 6 x 4.3      | FT-MC40-04                 | FT-MCD40-04          | 1.75          |      |
|                                                                                                                                                                        | Hose Barb                                      |              |                            |                      |               |      |
|                                                                                                                                                                        | 1/8" ID                                        | 3.2 ID       | FT-MC42-02                 | FT-MCD42-02          | 1.20          |      |
|                                                                                     | 3/16" ID                                       | 4.8 ID       | FT-MC42-03                 | FT-MCD42-03          | 1.87          |      |
|                                                                                                                                                                        | 1/4" ID                                        | 6.4 ID       | FT-MC42-04                 | FT-MCD42-04          | 1.87          |      |
|                                                                                                                                                                        | Ferruleless Polytube Fitting <sup>††</sup> PTF |              |                            |                      |               |      |
|                                                                                                                                                                        | Tubing Size OD x ID                            | Metric EQ mm | Straight Thru Model Number | Shutoff Model Number | Length (inch) |      |
|                                                                                                                                                                        | 5/32 x 0.10"                                   | 4 x 2.5      | FT-MC20-025                | FT-MCD20-025         | MC            | MCD  |
| 1/4 x 0.170"                                                                                                                                                           | 6 x 4                                          | FT-MC20-04   | FT-MCD20-04                | 1.13                 | 1.53          |      |
| 3/8 x 0.250"                                                                                                                                                           | 9.5 x 6                                        | FT-MC20-06   | FT-MCD20-06                | 1.30                 | 1.45          |      |
|                                                                                     | Hose Barb                                      |              |                            |                      |               |      |
|                                                                                                                                                                        | 1/8" ID                                        | 3.2 ID       | FT-MC22-02                 | FT-MCD22-02          | 1.05          |      |
|                                                                                                                                                                        | 3/16" ID                                       | 4.8 ID       | FT-MC22-03                 | FT-MCD22-03          | 1.25          |      |
|                                                                                                                                                                        | 1/4" ID                                        | 6.4 ID       | FT-MC22-04                 | FT-MCD22-04          | 1.25          |      |
|                                                                                                                                                                        | Female Thread                                  |              |                            |                      |               |      |
| 10-32 UNF                                                                                                                                                              | FT-MC28-1032                                   |              | FT-MCD28-1032              | 0.63                 | 1.20          |      |
|                                                                                     | Ferruleless Polytube Fitting <sup>††</sup> PTF |              |                            |                      |               |      |
|                                                                                                                                                                        | Tubing Size OD x ID                            | Metric EQ mm | Straight Thru Model No.    | Shutoff Model No.    | Length (inch) |      |
|                                                                                                                                                                        | 5/32 x 0.10"                                   | 4 x 2.5      | FT-MC21-025                | FT-MCD21-025         | 1.18          |      |
|                                                                                                                                                                        | 1/4 x 0.170"                                   | 6 x 4.3      | FT-MC21-04                 | FT-MCD21-04          | 1.18          |      |
|                                                                                                                                                                        | Hose Barb                                      |              |                            |                      |               |      |
| 1/8" ID                                                                                                                                                                | 3.2 ID                                         | FT-MC23-02   | FT-MCD23-02                | 1.18                 |               |      |
| 1/4" ID                                                                                                                                                                | 6.4 ID                                         | FT-MC23-04   | FT-MCD23-04                | 1.18                 |               |      |
| * Panel Opening = 1/2" Panel Nut = 5/8" Hex Panel Thickness = 0.32" Maximum and 0.050" Minimum.                                                                        |                                                |              |                            |                      |               |      |
| †† PTF fittings are designed for semi-rigid tubing i.e. polyethylene, nylon, etc. and polyurethane tubing. Acetal and Chrome-Plated Brass coupling halves interchange. |                                                |              |                            |                      |               |      |