High Temperature brass couplings have a chrome-plated brass valve and Viton seals to operate effectively in temperatures up to 204°C (400°F). Made for high-heat environments or to carry fluids up to 204°C (400°F) without leaking. They offer all of the same quick connect-quick disconnect capabilities of other OMEGA® couplings.

Chrome-plated brass shutoff valves can be ordered as either the insert, the body, or both sides. For maximum flow, use couplings without valves.

All metal high temperature couplings have chrome-plated brass bodies and valves, stainless steel springs and latch, and Viton® fluoroelastomer O-Ring seals. They are an economical alternative to stainless steel quick couplings.

High Temperature Coupling Selection

All OMEGA® chrome-plated brass couplings are available in high temperature versions.

To Order Specify Model Number for FT-MC or FT-LC

HOW TO ORDER:

Simply add "HT" after the part number shown for the chrome-plated brass couplings to order with the chrome-plated brass valve and Viton® seals. Add $4.05 to the price of each coupling or insert, a 25 piece minimum order required.

Ordering Example:

High temperature panel mount body, 1/8" flow with shutoff valve, 1/4" ID tubing. Model Number, FT-MCD16-04HT.

Specifications

Working Pressure: Vacuum to 250 psi, 17.3 Bar
Operating Temperature: -40 to 204°C
-40 to 400°F

Materials:

- Bodies: Chrome-Plated Brass
- Valves: Chrome-Plated Brass
- Valve Spring: 316 Stainless Steel
- External Springs, Pin, Latch: Stainless Steel
- Seals: Viton

Tubing sizes:

- 1/8" thru 3/8" ID
- 5/32" OD x .10" ID thru 3/8" OD x .250" ID
- 4 OD x 2.5 mm ID thru 10 OD x 6.5 mm ID

Applications:

- Photo Chemicals for Film Processing
- Inks and Dyes
- Process Monitoring Instruments
- Boiling Water
- Autoclave Drains

With a combination of powerful features, the new portable and rugged OS520 Series infrared pyrometers offer solutions for many non-contact temperature measurement applications. The standard 1 mV per degree analog output allows interfacing with data acquisition equipment, including chart recorders, dataloggers and computers.
Keyed OMEGA® quick couplings are specifically designed for small flexible hose and plastic tubing applications which require positive mechanical connections and non-interchangeable lines. They provide economical, keyed, high reliability, fool proof connections that are compatible with lower pressure and size requirements for instrumentation applications.

**Features:**
- Available in Chrome-Plated Brass
- Three Keyed, Non-Interchangeable Combinations
- Keyed Combinations Have Same Color-Code
- Available in Panel Mount and Pipe Thread Bodies
- Straight Through or Single End Shutoff, 1/8" Flow Size

**Warning:** Standard thermoplastic and chrome-plated brass quick disconnects cannot be interchanged with keyed quick disconnect couplings because they will leak.

**1/8" Flow**

**COUPLING BODIES**

### Pipe Thread

<table>
<thead>
<tr>
<th>MALE THREAD</th>
<th>STRAIGHT THRU MODEL NUMBER</th>
<th>PRICE</th>
<th>SHUTOFF MODEL NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
</table>

### Panel Mount with Hose Barb

<table>
<thead>
<tr>
<th>TUBING</th>
<th>STRAIGHT THRU MODEL NUMBER</th>
<th>PRICE</th>
<th>SHUTOFF MODEL NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; ID</td>
<td>FT-MC16-02-K*</td>
<td>$18.59</td>
<td>FT-MC16-02-K*</td>
<td>$20.26</td>
</tr>
</tbody>
</table>

### Panel Mount Ferruless Polytube Fitting†, PTF

<table>
<thead>
<tr>
<th>TUBING</th>
<th>STRAIGHT THRU MODEL NUMBER</th>
<th>PRICE</th>
<th>SHUTOFF MODEL NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; OD x .170&quot; ID</td>
<td>FT-MC12-04-K*</td>
<td>$20.10</td>
<td>FT-MC12-04-K*</td>
<td>$22.26</td>
</tr>
</tbody>
</table>

**INSERTS**

### Pipe Thread

<table>
<thead>
<tr>
<th>MALE THREAD</th>
<th>STRAIGHT THRU MODEL NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; NPT</td>
<td>FT-MC24-02-K*</td>
<td>$7.51</td>
</tr>
</tbody>
</table>

### Hose Barb

<table>
<thead>
<tr>
<th>TUBING</th>
<th>STRAIGHT THRU MODEL NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; ID</td>
<td>FT-MC22-02-K*</td>
<td>$6.83</td>
</tr>
<tr>
<td>1/4&quot; ID</td>
<td>FT-MC22-04-K*</td>
<td>6.83</td>
</tr>
</tbody>
</table>

### Ferruless Polytube Fitting†, PTF

<table>
<thead>
<tr>
<th>TUBING</th>
<th>STRAIGHT THRU MODEL NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; OD x .170&quot; ID</td>
<td>FT-MC20-04-K*</td>
<td>$9.56</td>
</tr>
</tbody>
</table>

*Color Coding: K1= Orange, K2= Yellow, K3= Blue

**Specifications**

- **Working Pressure:** Vacuum to 250 psi, 17.3 Bar
- **Operating Temperature:** -40 to 82°C continuous, -40 to 180°F continuous
- **Materials:**
  - Bodies: Chrome-Plated Brass
  - Valves: Delrin Acetal
  - Valve Spring: 316 Stainless Steel
  - External Springs, Pin, Latch: Stainless Steel
  - Seals: Buna-N
- **Ordering:** All couplings have consistent color coding (i.e., K1-Orange, K2-Yellow, K3-Blue). Order body and insert separately to make tubing connection. For example, MC10-02K1 and MC22-02K1.
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**