New High Flow Thermoplastic Quick Disconnect Couplings...

High Flow Coupling, FT-HFC-12, see page L-87
OMEGA's high capacity polypropylene coupling for 3/8", 1/2" and 3/4" tubing. 3/8" flow path minimizes pressure drop with high viscosity fluids or chemicals.

New Polysulfone High Flow Coupling, FT-HFC-35, see page L-89
Higher temperature and pressure quick disconnect with 3/8" flow path for minimal pressure drop. Hose barb ends for 3/8", 1/2" and 3/4" tubing.

New Sizes!
New FT-HFC-35

Streamline Coupling, 1/8" Flow FT-PMC, 1/4" Flow FT-PLC, see pages L-81 & L-86
New streamlined design makes this in-line coupling more affordable for tight budget OEM applications. Ergonomic enhancements make it easier to disconnect.

Subminiature Coupling, FT-SMC, see page L-91
The small twist lock coupling with a leak-free O-Ring seal. For 1/16" and 1/8" ID tubing.
Three unique mechanically keyed and color-coded quick disconnect configurations prevent interchange of fluid lines.
Fittings & Accessories

Multitube Couplings, see page L-99
Quickly connect up to ten tubing lines with a single connector. Connections for both 1/16" and 1/8" tubing.

Multiple Mount Couplings, see page L-101
Connect 3 to 5 tubing lines at once with standard quick couplings. Delrin acetal or chrome-plated brass couplings.

Shutoff Valves, see page L-104

Soft Tubing Fittings, see page L-105
Easy-to-use, clamp-free fittings won’t damage tubing. Made for flexible vinyl tubing in 1/4", 3/8" and 1/2" ID sizes.
**Coupling Materials**

**DELRIN ACETAL THERMOPLASTIC**
A general purpose thermoplastic material that is lightweight, non-corrosive, strong and economical.
**Applications:** Air, oil, water, or gas supply and drainage lines, beverage or food handling.

**POLYPROPYLENE THERMOPLASTIC**
Chemically resistant; replaces heavy brass or stainless steel couplings. Gamma sterilizable.
**Applications:** Chemicals, photo processing, laboratory work, caustic fluid and gas transfer, medical disposables.

**POLYSULFONE THERMOPLASTIC**
Superior strength and good chemical resistance, ideal for strong oxidants, hot/cold liquids. Withstands repeated sterilization.
**Applications:** Bleach, chemicals, hot water, gas transfer, potable water systems, medical uses requiring autoclaving.

**CHROME-PLATED BRASS**
Durable and attractive, chrome-plated brass quick couplings are excellent for higher pressures and temperatures.
**Applications:** Pneumatic air supply, instrumentation, cooling and high temperature lines.
Mounting Configurations

Quick couplings and connectors add versatility and convenience to any fluid handling system. OMEGA® couplings are economical and easy to install. They quickly pay for themselves in labor and maintenance cost savings. OMEGA’s leak free couplings include a variety of built-in end fitting and mounting options.

**RIGID MOUNT**
Pipe threads are standard for body and insert halves of most plastic and brass couplings. Sizes include 1/8” to 3/4” NPT, BSPT, GHT, JTPT and 10-32 UNF threads.

**PANEL MOUNT**
Easy to mount in panels up to 1/2” thick. Available for both insert and body halves of the coupling.

**IN LINE**
Convenient configuration for tube splicing. Built-in thumb latch shroud protects against accidental disconnections.

**ELBOW**
OMEGA’s 90° elbows are available for inserts with both hose barbs and ferruleless fitting connections.

Interchangeable Bodies & Inserts
Delrin and chrome-plated brass coupling halves are interchangeable. Polypropylene coupling halves cannot be interchanged with other materials.

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**Valving Options**

Valves stop flow automatically when the coupling is disconnected. Shutoff valves are available in both the body and insert half of the coupling.

- **STRAIGHT THRU FLOW** - no valve in either half.
- **SINGLE END SHUTOFF** - one valve in either half.
- **DOUBLE END SHUTOFF** - valves in both halves.

**High Flow Valves**
OMEGA® couplings provide the highest flowrate with the smallest pressure drop of any comparable coupling on the market. Two different OMEGA® valve designs fit most applications:

- FT-MC/PMC & FT-LC/PLC Series valves
- High Flow coupling, FT-HFC Series valves

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**Shutoff Valves & Flow Characteristics**

**Tubing Connections**

**HOSE BARBS**
Ideal for PVC, polyurethane and other rubber and plastic tubing. Available for 1/16” to 3/4” and 3 mm to 19 mm ID tubing sizes.

**FERRULELESS, PTF**
OMEGA’s unique ferruleless design ensures leak-free connections to semi-rigid tubing such as polyethylene or nylon. Available for 5/32”, 1/4” and 3/8” OD tubing (and metric equivalents).
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**