

SPECIALTY QUICK COUPLINGS

Coupling Assortment Kits

- Lab Pak Kit – Delrin Acetal
- Chem Pak Kit – Polypropylene

Multiple options for a variety of coupling situations

Prototyping and laboratory operations utilize many sizes of plastic tubing and a variety of coupling combinations.

A quick, convenient method of determining the best coupling for prototyping or lab work is to have an assortment of Quick Couplings in a variety of flow sizes and end connections.

OMEGA offers two kits: A handy assortment in Delrin acetal for general purpose use (the Lab Pak) or polypropylene couplings for greater chemical resistance (the Chem Pak). The Lab Pak and the Chem Pak are sold in attractive multi-drawer cabinets for easy identification and storage.

- Ideal for:**
- Test Labs
 - Model Shops
 - Design Labs
 - University Labs

Complete Kits MOST POPULAR MODELS HIGHLIGHTED!

Order by Model Number

DESCRIPTION	MATERIAL	MODEL NUMBER	PRICE
Lab Pak	Delrin acetal	FT-LP-100	\$185.00
Lab Pak Plus	Delrin acetal	FT-LPP-200	240.00
Chem Pak	Polypropylene	FT-CP-100	185.00
Chem Pak Plus	Polypropylene	FT-CPP-200	269.00



Lab Pak and Lab Pak Plus.

Delrin acetal general purpose quick couplings for most applications. Fits 1/16" through 3/8" tubing.

Chem Pak and Chem Pak Plus. Polypropylene chemical resistance for applications exposed to acids and caustic environments. Excellent for chemical laboratories. Fits 1/16" through 3/8" tubing.

Lab Pak Kits Contain: Delrin Acetal

DELRIN ACETAL MODEL NUMBER	LAB PAK	LAB PAK PLUS
FT-PMCD10-02	1	2
FT-PMCD10-04	1	2
FT-PMCD13-04	1	2
FT-PMC17-02	1	2
FT-PMCD17-02	2	2
FT-PMCD17-04		2
FT-PMCD17-01		2
FT-PMC20-04	2	4
FT-PMCD20-04		1
FT-PMC22-01		2
FT-PMC22-02		2
FT-PMC22-04	2	4
FT-PMCD22-02	1	1
FT-PMCD22-04	1	1
FT-PMC24-02	1	1
FT-PMC24-04	1	1
FT-PLC100-04		2
FT-PLCD100-04	1	2
FT-PLCD100-06	1	2
FT-PLCD130-06		1
FT-PLC170-04	2	4
FT-PLCD170-04	2	2
FT-PLCD170-06	2	2
FT-PLC200-06	2	4
FT-PLCD200-06		1
FT-PLC220-04	2	4
FT-PLCD220-04	1	1
FT-PLC220-06	2	4
FT-PLCD220-06	1	1
FT-PLC240-04	1	2

Chem Pak Kits Contain: Polypropylene

POLYPROPYLENE MODEL NUMBER	CHEM PAK	CHEM PAK PLUS
FT-PMCD10-02-12	2	2
FT-PMCD10-04-12	2	2
FT-PMCD13-04-12	2	2
FT-PMCD17-02-12	1	1
FT-PMCD17-04-12	1	1
FT-PMC20-04-12	2	2
FT-PMCD22-04-12	1	1
FT-PMC22-02-12	4	4
FT-PMCD22-02-12	1	1
FT-PMCD22-04-12	1	1
FT-PMC22-04-12	2	2
FT-PLCD100-04-12	2	2
FT-PLCD100-06-12		1
FT-PLCD130-06-12		1
FT-PLCD170-04-12	2	2
FT-PLC200-06-12		2
FT-PLCD170-06-12		1
FT-PLCD200-06-12		1
FT-PLC220-04-12	2	4
FT-PLCD220-04-12	1	1
FT-PLC220-06-12		2
FT-PLCD220-06-12		1

SPECIALTY QUICK COUPLINGS

Shutoff Valves

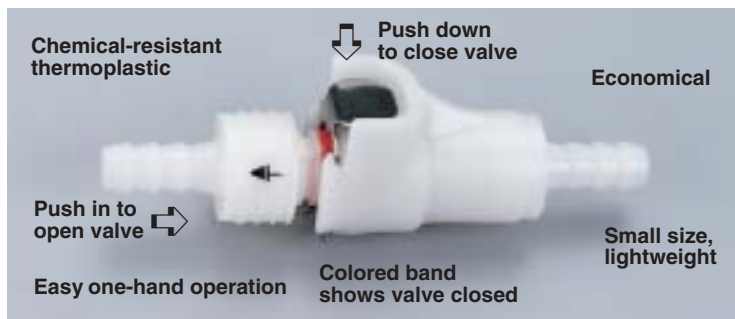
Two-Way Thermoplastic Valves

OMEGA's unique shutoff valve provides quick, positive on-off control of flow through flexible plastic tubing. Its exclusive design assures maximum laminar flow through even the smallest tube sizes, and the small size of the valve itself makes it ideal for use in small spaces. When the valve is in the closed position, an orange band is clearly visible, eliminating possible operator error. OMEGA® shutoff valves can be used for either pressure or vacuum applications.

Applications:

- Pneumatic controls
- Air and gas sampling
- Flush valves
- Biomedical devices

Caution: Always install OMEGA® shutoff valves with flow entering the valve from the "body" side, as illustrated below (right to left).



Specifications

Working Pressure: Vacuum to 120 psi, 8.3 Bar

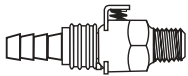
Operating Temperature: -40° to 82°C, continuous
-40° to 180°F, continuous

Materials: Bodies: Delrin acetal
Valve Spring: 316 Stainless steel
External Springs, Latch, Pin: Stainless steel
Seals: Buna-N; others available
Color: Natural white, others available

Tubing Size: 1/8" thru 3/8" ID
1/4" and 3/8" OD
6 x 4 mm and 10 x 6.4 mm (OD x ID)

PIPE THREAD

Ferruleless Fitting†, PTF x Pipe Thread Hose Barb x Pipe Thread

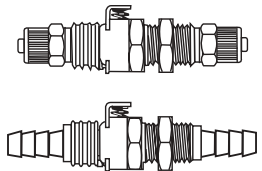


TUBING						NPT PIPE					
OD	THREAD	FLOW	MODEL NUMBER	PRICE	LENGTH	TUBING	NPT PIPE	FLOW	MODEL NUMBER	PRICE	LENGTH
1/4"	x 1/8"	1/8"	FT-MSO102-204	\$10.73	1.94"	1/8"	x 1/8"	1/8"	FT-MSO102-222	\$9.32	1.87"
1/4"	x 1/4"	1/8"	FT-MSO104-204	10.29	2.04"	1/4"	x 1/8"	1/8"	FT-MSO102-224	9.32	2.07"
1/4"	x 1/4"	1/4"	FT-LSO104-204	10.73	2.10"	1/8"	x 1/4"	1/8"	FT-MSO104-222	8.87	1.96"
3/8"	x 1/4"	1/4"	FT-LSO104-206	11.41	2.26"	1/4"	x 1/4"	1/8"	FT-MSO104-224	8.87	2.16"
						1/4"	x 1/4"	1/4"	FT-LSO104-224	9.44	2.23"
						3/8"	x 1/4"	1/4"	FT-LSO104-226	9.44	2.23"
						1/4"	x 3/8"	1/4"	FT-LSO106-224	9.44	2.23"
						3/8"	x 3/8"	1/4"	FT-LSO106-226	9.44	2.23"

PANEL MOUNT*

Ferruleless Fitting†, PTF Ends

Hose Barb Ends



TUBING						MM					
OD	OD x ID	FLOW	MODEL NUMBER	PRICE	LENGTH	TUBING	MM	FLOW	MODEL NUMBER	PRICE	LENGTH
1/4"	6 x 4	1/8"	FT-MSO124-204	\$13.18	2.66"	1/8" ID	3.2 ID	1/8"	FT-MSO162-222	\$11.96	2.52"
1/4"	6 x 4	1/4"	FT-LSO124-204	14.30	2.76"	1/4" ID	6.4 ID	1/8"	FT-MSO164-224	12.38	2.92"
3/8"	9.5 x 6	1/4"	FT-LSO126-206	15.08	3.02"	1/4" ID	6.4 ID	1/4"	FT-LSO164-224	11.96	3.05"
						3/8" ID	9.5 ID	1/4"	FT-LSO166-226	11.96	3.05"

PT-MSO Dimensions:
* Panel Opening = 1/2" Diameter
Maximum Panel Thickness = 1/2"
Minimum Panel Thickness = .050"
Panel Nuts = 5/8" Hex

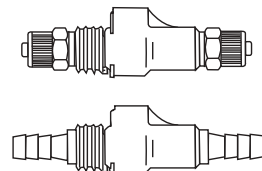
PT-LSO Dimensions:
* Panel Opening = 11/16" Diameter
Maximum Panel Thickness = 1/2"
Minimum Panel Thickness = .050"
Panel Nuts = 3/4" Hex

† PTF fittings are designed for semi-rigid tubing, i.e. polyethylene, nylon, etc. and polyurethane tubing.

IN LINE

Ferruleless Fitting†, PTF Ends

Hose Barb Ends



TUBING						MM					
OD	OD x ID	FLOW	MODEL NUMBER	PRICE	LENGTH	TUBING	MM	FLOW	MODEL NUMBER	PRICE	LENGTH
1/4"	6 x 4	1/8"	FT-MSO134-204	\$11.77	2.66"	1/8" ID	3.2 ID	1/8"	FT-MSO172-222	\$10.13	2.54"
1/4"	6 x 4	1/4"	FT-LSO134-204	14.81	2.78"	1/4" ID	6.4 ID	1/8"	FT-MSO174-224	10.13	2.94"
3/8"	9.5 x 6	1/4"	FT-LSO136-206	14.61	3.02"	1/4" ID	6.4 ID	1/4"	FT-LSO174-224	11.15	3.04"
						3/8" ID	9.5 ID	1/4"	FT-LSO176-226	11.15	3.04"



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• 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

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• 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

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters