

TENTUBE SERIES CONNECTOR

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.

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



SCAN

cpcworldwide.com/Tentube



CONNECT UP TO 10 TUBES
IN ONE EASY MOTION!

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

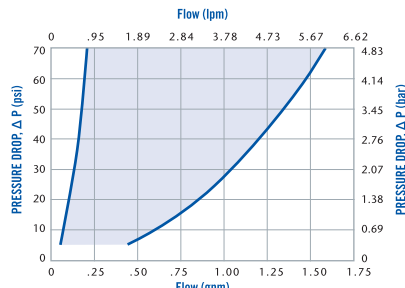
Ensures correct line orientation

Maximize design flexibility

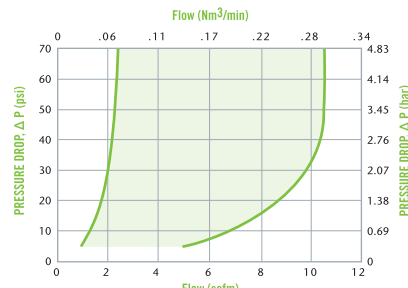
NOTE

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

TEN TUBE WATER FLOW



TENTUBE AIR FLOW • 100 psig inlet pressure



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 SERIES DIMENSIONS

FITTING BODIES - Acetal/Polypropylene



TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	ACETAL STRAIGHT THRU	ACETAL SHUTOFF	POLYPROPYLENE STRAIGHT THRU
COMPLETE COUPLING SET	1/16" ID	1.6mm ID	TT1001	TTD1001	
	—	3.0mm ID	TT10M3	TTD10M3	
	1/8" ID	3.2mm ID	TT1002	TTD1002	TT100212
COUPLING BODY WITH FEMALE FITTING BODIES	1/16" ID	1.6mm ID	TFB1001	TFBD1001	
	—	3.0mm ID	TFB10M3		
	1/8" ID	3.2mm ID	TFB1002	TFBD1002	TFB100212
	Without fitting bodies		TFB10		
COUPLING INSERT WITH MALE FITTING INSERTS	1/16" ID	1.6mm ID	TMB1001		
	—	3.0mm ID	TMB10M3		
	1/8" ID	3.2mm ID	TMB1002		TMB100212
	Without fitting inserts		TMB10		

FITINGS INSERTS - Acetal/Polypropylene



TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	ACETAL STRAIGHT THRU	ACETAL SHUTOFF	POLYPROPYLENE STRAIGHT THRU
IN-LINE HOSE BARB	1/16" ID	1.6mm ID	TMF01		TMF0112
	—	3.0mm ID	TMFM3		
	1/8" ID	3.2mm ID	TMF02		TMF0212
IN-LINE HOSE BARB (FEMALE)	1/16" ID	1.6mm ID	TFF01	TFFD01	TFF0112
	—	3.0mm ID	TFFM3	TFFDM3	
	1/8" ID	3.2mm ID	TFF02	TFFD02	TFF0212
IN-LINE HOSE BARB (FEMALE) (WHITE)	1/8" ID	3.2mm ID	TFF02MWHT	TFFD02MWHT	
IN-LINE HOSE BARB (WHITE)	1/8" ID	3.2mm ID	TMF02MWHT		

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

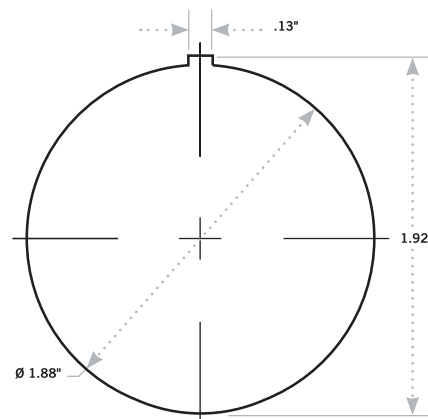
All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted.

ACCESSORIES

DESCRIPTION	PART NO.
TUBE SHROUD: SNAPS INTO EITHER HALF	TS10
PANEL MOUNT ADAPTER & NUT: 7/16" MAX. PANEL THICKNESS; REQUIRES 1.875" DIAMETER HOLE	TPM10

PANEL DIMENSIONS

	PANEL OPENING	PANEL THICKNESS MAX.-MIN.
COUPLING BODIES	see drawing	0.44– 0.06



TWIN TUBE™ & SIXTUBE™ SERIES CONNECTOR

The Twin Tube™ coupling

provides one easy-to-use quick disconnect for two separate fluid lines. The non-valved Twin Tube maintains two individual flow paths in one coupling. Featuring the CPC thumb latch, the Twin Tube can disconnect two lines with the push of a button. The panel mount design keeps a low profile on the front of the equipment panel.

SPECIFICATIONS

PRESSURE:

Vacuum to 120 psi, 8.3 bar per line

TEMPERATURE:

-40°F to 180°F (-40°C to 82°C)

MATERIALS:

Main components: Acetal, ABS

Thumb latch: Stainless steel

External springs and pin: Stainless steel

O-rings: Buna-N

COLOR:

Natural white with stainless steel latch

TUBING SIZES:

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

The SixTube™ coupling

provides one easy-to-use quick disconnect for up to six separate fluid lines. The Sixtube is available with valves on either side for maximum design flexibility. Featuring the CPC thumb latch, the Sixtube can disconnect up to six lines with the push of a button. The snap-in panel mount design keeps a low profile on the front of the equipment panel.

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: Acetal

Valves: Acetal

Fitting inserts: Acetal, polypropylene

Thumb latch: Acetal

Valve spring: 316 stainless steel

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

COLOR: Natural white with aqua latch

TUBING SIZES:

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

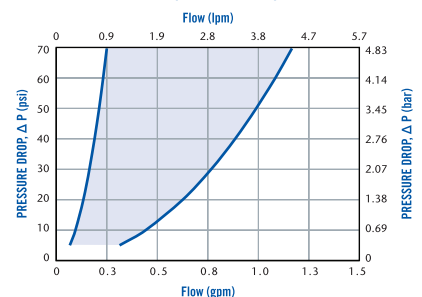
FEATURES

- Two/six line connection → Fast, efficient operation
- Separate flow paths → Pressure and/or vacuum in one coupling
- Sixtube insert is keyed to body → Ensures correct line orientation
- Free coupling rotation (Twin Tube) → Eliminates kinked tubing
- CPC thumb latch → One-hand connection and disconnection

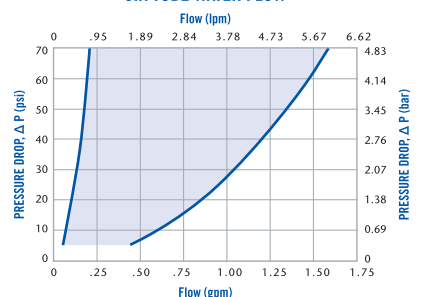
BENEFITS



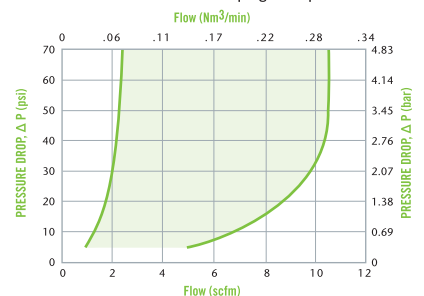
TWIN TUBE WATER FLOW



SIX TUBE WATER FLOW



SIXTUBE AIR FLOW • 100 psig inlet pressure



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.

TWIN TUBE™ & SIXTUBE™ SERIES DIMENSIONS

TWIN TUBE COUPLING BODIES - Acetal/ABS



ABS part shown

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	ACETAL STRAIGHT THRU	ABS STRAIGHT THRU
PANEL MOUNT HOSE BARB	1/16" ID	1.6mm ID	PTC16010	PTC1602096
	1/8" ID	3.2mm ID	PTC16020	

TWIN TUBE COUPLING INSERTS - Acetal/ABS



Acetal part shown

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	ACETAL STRAIGHT THRU	ABS STRAIGHT THRU
IN-LINE HOSE BARB	1/16" ID	1.6mm ID	PTC22010	
	1/8" ID	3.2mm ID	PTC22020	PTC2202096

SIXTUBE COUPLING BODIES - Acetal/Polypropylene



ABS part shown

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	ACETAL STRAIGHT THRU	ABS SHUTOFF	POLYPROPYLENE STRAIGHT THRU
IN-LINE HOSE BARB	1/16" ID	1.6mm ID	SXM1701		SXM170112
	—	3.0mm ID	SXM17M3		
	1/8" ID	3.2mm ID	SXM1702		SXM170212
WITH FEMALE FITTING BODIES	1/16" ID	1.6mm ID		SXFD1701	SXF170112
	1/8" ID	3.2mm ID	SXF1702	SXFD1702	SXF170212
WITHOUT FITTINGS			SX17		

SIXTUBE COUPLING INSERTS - Acetal/Polypropylene



Acetal part shown

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	ACETAL STRAIGHT THRU	ABS SHUTOFF	POLYPROPYLENE STRAIGHT THRU
IN-LINE HOSE BARB	1/16" ID	1.6mm ID	SXM4201		SXM420112
	—	3.0mm ID	SXM42M3		
	1/8" ID	3.2mm ID	SXM4202		SXM420212
	1/16" ID	1.6mm ID	SXF4201	SXFD4201	SXF420112
	—	3.0mm ID	SXF42M3	SXFD42M3	
	1/8" ID	3.2mm ID	SXF4202	SXFD4202	SXF420212

ACCESSORIES

DESCRIPTION	PART NO.
SIXTUBE PRESSURE PLUGS	TMPMWHT



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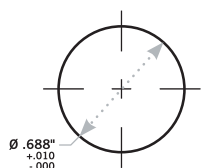


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cpcworldwide.com/Sixtube

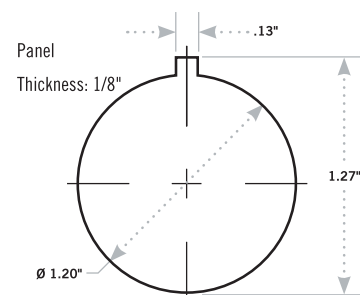
TWIN TUBE™ PANEL DIMENSIONS

	PANEL NUT HEX	PANEL NUT THREAD
COUPLING INSERTS	13/16	11/16-24UNEF



Maximum Panel Thickness: 1/2"
Minimum Panel Thickness: 0.02"

SIXTUBE™ PANEL DIMENSIONS



MULTI-MOUNT SERIES CONNECTOR

Multi-Mount couplings provide one easy-to-use coupling for connecting from three to five lines at once. Multi-mount couplings are available in a wide variety of materials including acetal and chrome-plated brass. Multi-mounts are keyed to prevent mismatched connections and can be configured with or without valves for maximum design flexibility.



SPECIFICATIONS

PRESSURE:

Minimum: Vacuum

Maximum: Brass = 500 psi / no. of stations
or Acetal = 240 psi / no. of stations

TEMPERATURE:

-40°F to 180°F (-40°C to 82°C)

MATERIALS:

Main components: Acetal or chrome-plated brass

Thumb latch: Stainless steel

Mounting Plate: Black anodized aluminum

Valves: Acetal

Valve spring: 316 stainless steel

External springs and pin: Stainless steel

O-ring: Buna-N

TUBING SIZES:

1/8" to 3/8" ID, 3.2mm to 9.5mm ID

FEATURES

Three to five line connection

Separate flow paths

Insert is keyed to body

Acetal or chrome-plated brass

BENEFITS

Fast, efficient operation

Pressure and/or vacuum in one coupling

Ensures correct line orientation

Maximize design flexibility

FOUR-STEP MULTI-MOUNT ORDERING PROCESS

STEP 1: Determine flow size and termination type.

STEP 2: Order two "multiple mount plates" (one for the coupling bodies and one for the coupling inserts) with the appropriate number of connection stations for your specific application (available in 3, 4, or 5 connections, or construct your own). Refer to page 108-109.

STEP 3: Order two "standard panel mount coupling bodies with thumb latches" for the exterior stations.

STEP 4: Order an appropriate number of "multiple mount coupling bodies without thumb latches" to accommodate the remaining interior stations.

STEP 5: Order an appropriate number of "multiple mount inserts" to connect with standard and multiple mount bodies.



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STEP 3

Multiple mount coupling bodies for interior stations

STEP 2

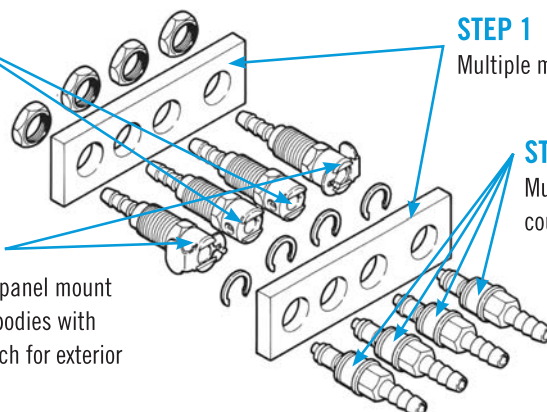
Standard panel mount coupling bodies with thumb latch for exterior stations

STEP 1

Multiple mount plates

STEP 4

Multiple mount coupling inserts



UNMATCHED CUSTOMIZATION CAPABILITIES



For more than 35 years, CPC engineers have worked with customers worldwide to design application-specific solutions that resolve their fluid handling-related challenges and improve product performance. We can do the same for you.

APPLICATIONS FOR IDENTIQUIK® COUPLINGS INCLUDE:

- Weight, pressure, temperature and flow sensing
- Bulkhead mount readers
- Multiplexing technology
- Custom interface
- Larger tag memory sizes
- Additional security features



cpcworldwide.com/iMAR

MULTI-MOUNT SERIES DIMENSIONS

MULTIPLE MOUNT PLATES



NUMBER OF STATIONS	1/8" FLOW SIZE	LENGTH	1/4" FLOW SIZE	LENGTH
3	CP103	2.6 (66.04)	LCP103	3 (76.2)
4	CP104	3.35 (85.09)	LCP104	3.35 (85.09)
5	CP105	4.1 (104.14)		

RETAINING RINGS

COUPLING SERIES	PART NO. (REPLACEMENTS)
MC/PMC	101700
LC/PLC	278100

COUPLING BODIES - Acetal

Information in RED indicates 1/8" flow couplings. These are not compatible with 1/4" flow couplings in non-shaded sections.

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	A	B	D
	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	PMM1204	PMMD1204	0.72 (18.3)	1.72 (43.7)	
	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	PLM12004	PLMD12004	0.94 (23.9)	1.82 (46.2)	
	3/8" OD, 0.25" ID	9.5mm OD, 6.4mm ID		PLMD12006	0.94 (23.9)	1.95 (49.5)	
	1/8" ID	3.2mm ID	PMM1602	PMMD1602	0.72 (18.3)	1.65 (41.9)	
	3/16" ID	4.8mm ID	PMM1603	PMMD1603	0.72 (18.3)	1.85 (47.0)	
	1/4" ID	6.4mm ID	PMM1604	PMMD1604	0.72 (18.3)	1.85 (47.0)	
	1/4" ID	6.4mm ID	PLM16004	PLMD16004	0.94 (23.9)	1.95 (49.5)	
	5/16" ID	7.9mm ID	PLM16005		0.94 (23.9)	1.95 (49.5)	
	3/8" ID	9.5mm ID		PLMD16006	0.94 (23.9)	1.95 (49.5)	
 PANEL MOUNT FEMALE THREAD	10-32 UNF		PMM181032	PMMD181032	0.72 (18.3)	1.25 (31.8)	

COUPLING INSERTS - Acetal

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	A	B	D
	5/32" OD, 0.10" ID	4.0mm OD, 2.5mm ID	PMM20025	PMMD20025	0.58 (14.7)	1.86/1.96 (47.2/49.8)	
	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	PMM2004	PMMD2004	0.58 (14.7)	1.77/1.87 (45.0/47.5)	
	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	PLM20004	PLMD20004	0.72 (18.3)	2.10/2.23 (53.3/56.6)	
	3/8" OD, 0.25" ID	9.5mm OD, 6.4mm ID		PLMD20006	0.72 (18.3)	2.02/2.15 (51.3/54.6)	
	1/8" ID	3.2mm ID	PMM2202	PMMD2202	0.56 (14.2)	1.87/1.97 (47.5/50.0)	
	3/16" ID	4.8mm ID	PMM2203	PMMD2203	0.58 (14.7)	2.08/2.18 (52.8/55.4)	
	1/4" ID	6.4mm ID	PMM2204	PMMD2204	0.58 (14.7)	1.83/1.93 (46.5/49.0)	
	1/4" ID	6.4mm ID	PLM22004	PLMD22004	0.72 (18.3)	2.20/2.33 (55.9/59.2)	
	5/16" ID	7.9mm ID	PLM22005	PLMD22005	0.72 (18.3)	2.20/2.33 (55.9/59.2)	
	3/8" ID	9.5mm ID	PLM22006	PLMD22006	0.72 (18.3)	2.03/2.16 (51.6/54.9)	
 ELBOW FERRULELESS POLYTUBE FITTING, PTF	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	PMM2104	PMMD2 104	0.53 (13.5)	1.41/1.51 (35.8/38.4)	0.77 (19.6)

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.

*NOTE: CPC's Ferruleless Polytube Fitting terminations do not require ferrules to achieve a secure connection, which makes them easier to use and reuse. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc.

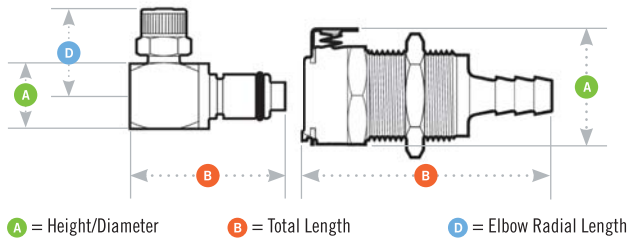
COUPLING BODIES - Chrome Plated Brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	A	B	D
 PANEL MOUNT FERRULELESS POLYTUBE FITTING, PTF†	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	MM1204	MMD1204	0.72 (18.3)	1.72 (43.7)	
	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID		LMD12004	0.94 (23.9)	1.82 (46.2)	
	3/8" OD, 0.25" ID	9.5mm OD, 6.4mm ID	LM12006	LMD12006	0.94 (23.9)	1.95 (49.5)	
 PANEL MOUNT HOSE BARB	1/8" ID	3.2mm ID	MM1602	MMD1602	0.72 (18.3)	1.65 (41.9)	
	3/16" ID	4.8mm ID	MM1603	MMD1603	0.72 (18.3)	1.85 (47.0)	
	1/4" ID	6.4mm ID	LM16004	LMD16004	0.94 (23.9)	1.95 (49.5)	
	5/16" ID	7.9mm ID	LM16005	LMD16005	0.94 (23.9)	1.95 (49.5)	
	3/8" ID	9.5mm ID	LM16006	LMD16006	0.94 (23.9)	1.95 (49.5)	
 PANEL MOUNT FEMALE THREAD	10-32 UNF		MM181032		0.72 (18.3)	1.25 (31.8)	

COUPLING INSERTS - Chrome Plated Brass

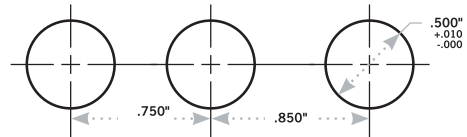
TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	A	B	D
 IN-LINE FERRULELESS POLYTUBE FITTING, PTF†	5/32" OD, 0.10" ID	4.0mm OD, 2.5mm ID	MM20025		0.58 (14.7)	1.86/1.96 (47.2/49.8)	
	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	MM2004	MMD2004	0.58 (14.7)	1.77/1.87 (45.0/47.5)	
	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	LM20004	LMD20004	0.72 (18.3)	2.10/2.23 (53.3/56.6)	
	3/8" OD, 0.25" ID	9.5mm OD, 6.4mm ID	LM20006	LMD20006	0.72 (18.3)	2.02/2.15 (51.3/54.6)	
 IN-LINE HOSE BARB	1/8" ID	3.2mm ID	MM2202	MMD2202	0.56 (14.2)	1.87/1.97 (47.5/50.0)	
	3/16" ID	4.8mm ID	MM2203	MMD2203	0.58 (14.7)	2.08/2.18 (52.8/55.4)	
	1/4" ID	6.4mm ID	MM2204	MMD2204	0.58 (14.7)	1.83/1.93 (46.5/49.0)	
	1/4" ID	6.4mm ID	LM22004	LMD22004	0.72 (18.3)	2.20/2.33 (55.9/59.2)	
	5/16" ID	7.9mm ID	LM22005	LMD22005	0.72 (18.3)	2.20/2.33 (55.9/59.2)	
	3/8" ID	9.5mm ID	LM22006		0.72 (18.3)	2.03/2.16 (51.6/54.9)	
 ELBOW FERRULELESS POLYTUBE FITTING, PTF†	1/4" OD, 0.17" ID	6.4mm OD, 4.3mm ID	MM2104		0.53 (13.5)	1.41/1.51 (35.8/38.4)	0.77 (19.6)

PRODUCT DIMENSIONS

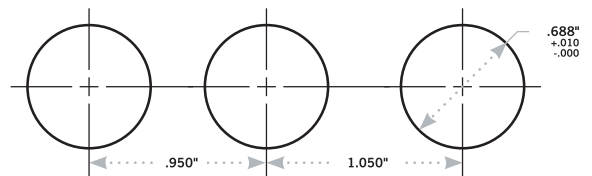


PANEL DIMENSIONS

MM Series 1/8" Flow



LM Series 1/4" Flow



Multiple mount plates are keyed to prevent misconnections.

Multiple mount minimum coupling spacing: CPC offsets the last hole on the mounting plates so they cannot be misconnected.