

40PP SERIES

TUBING SIZE 1/4" - 3/8" | 1/4" FLOW POLYPROPYLENE

LEGACY ALMOND COLOR



See our
website for
Solid Models

TWO STANDARD COLORS

40PP Series couplings offer 1/4" flow and are produced from medical grade gamma sterilizable polypropylene. The 40PP Series polypropylene couplings offer greater chemical resistance and they are available in both valved and non-valved configurations. These couplings are available in Legacy Almond and Modern Cool Grey colors. All 40PP couplings interconnect with all other 40AC and 40CB couplings as well as other similar industry thumb-latch type couplings.

PERFORMANCE RATINGS

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: 32°F to 160°F; (0°C to 71°C)
- Flow Capacity: 1/4" Size
- Sterilization: Gamma; 50 kGy irr. max (see technical section for more detail)

MATERIALS & CONSTRUCTION

- Bodies & Terminations: Medical Grade Polypropylene
- Internal Valves: Medical Grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel

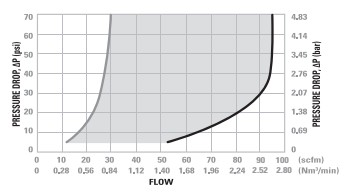


Interchangeable with
CPC-Colder PLC Series

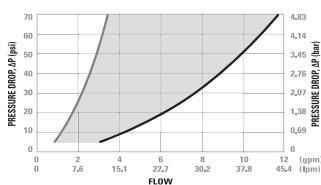


Please contact us for cleanroom produced versions.

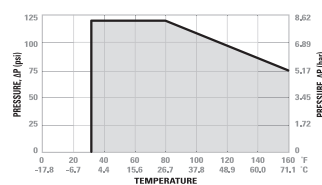
40PP Series Air Flow



40PP Series Water Flow



40PP Series Temperature



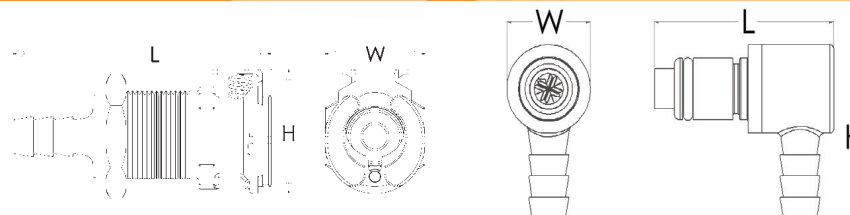
Valved Socket & Plug



Valved & Non-Valved Coupling Set



Non-Valved Socket & Plug



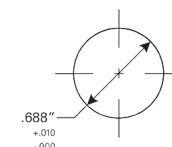
*Illustrations are actual size of product.

Reference Dimensions: L = Length, W = Width, H = Height

Panel Mount Dimensions

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.5"	0.05"
PLUGS	0.688"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



PART NUMBER GUIDE EXAMPLE:

40 PP V - PE 2 - 04MALD

FLOW SIZE OR LATCH TYPE MATERIAL VALVE CONFIG. AND O-RING TYPE CONNECTION SIZE COLOR OPTION

Flow Rates

The data below shows the liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70° F (21°C).

Specific coupling combination flow rates can be determined by using this formula:

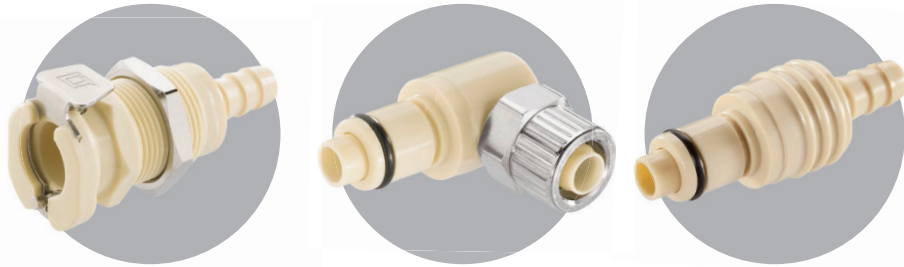
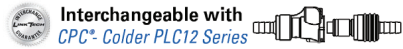
$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)
ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

C_v Values for 40PP Series Couplings

SOCKETS	40PPV-PE2-04MALD	40PP-PE2-04MALD	40PPV-PE2-06MALD	40PP-PE2-06MALD	40PPV-PE3-06MALD	40PP-PE3-06MALD	40PPV-PE1-04MALD	40PP-PE1-04MALD	40PPV-PE3-04MALD	40PP-PE3-04MALD	40PPV-PE3-06MALD	40PP-PE3-06MALD
40PPV-SE2-04MALD	0.42	0.58	0.45	0.78	0.45	0.60	0.43	0.79	0.42	0.58	0.45	0.78
40PP-S2-04MALD	0.52	0.95	0.70	1.00	0.55	0.87	0.65	0.95	0.52	0.95	0.70	1.00
40PPV-SE2-06MALD	0.43	0.63	0.50	0.89	0.62	0.50	0.45	0.95	0.43	0.63	0.50	0.89
40PP-S2-06MALD	0.53	0.95	0.80	1.40	0.57	1.00	0.70	1.40	0.53	0.95	0.80	1.40
40PPV-SE3-04MALD	0.42	0.58	0.45	0.78	0.45	0.60	0.43	0.79	0.42	0.58	0.45	0.78
40PP-S3-04MALD	0.52	0.95	0.70	1.00	0.55	0.87	0.65	0.95	0.52	0.95	0.70	1.00
40PPV-SE3-06MALD	0.43	0.63	0.50	0.89	0.56	0.61	0.45	0.95	0.43	0.63	0.50	0.89
40PP-S3-06MALD	0.53	0.95	0.80	1.40	0.57	1.00	0.70	1.40	0.53	0.95	0.80	1.40
40PPV-SE1-04MALD	0.41	0.65	0.50	0.81	0.48	0.74	0.45	0.80	0.41	0.65	0.50	0.81
40PP-S1-04MALD	0.56	0.84	0.83	1.40	0.58	1.04	0.75	1.40	0.56	0.84	0.83	1.40
40PPV-SE1-06MALD	0.43	0.70	0.50	1.03	0.59	0.60	0.45	0.97	0.43	0.70	0.50	1.03
40PP-S1-06MALD	0.57	0.84	0.82	1.40	0.60	1.05	0.75	1.40	0.57	0.84	0.82	1.40

*MALD denotes Almond coupling color



40PP

Tubing Size 1/4" - 3/8"
1/4" Flow Polypropylene

MALE THREAD SOCKET						
NON-VALVED	VALVED	THREAD SIZE	LENGTH	WIDTH	HEIGHT	
40PP-S1-04MALD	40PPV-SE1-04MALD	1/4" NPT	1.16" (29mm)	.76" (19mm)	1.04" (26mm)	
40PP-S1-06MALD	40PPV-SE1-06MALD	3/8" NPT	1.16" (29mm)	.76" (19mm)	1.04" (26mm)	

IN-LINE HOSE BARB SOCKET						
NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PP-S2-04MALD	40PPV-SE2-04MALD	1/4" ID	6.4mm ID	1.90" (48mm)	.76" (19mm)	1.04" (26mm)
40PP-S2-06MALD	40PPV-SE2-06MALD	3/8" ID	9.5mm ID	1.90" (48mm)	.76" (19mm)	1.04" (26mm)

IN-LINE PTF SOCKET						
NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PP-S9-06MALD	40PPV-SE9-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.95" (50mm)	.76" (19mm)	1.04" (26mm)

PANEL MOUNT HOSE BARB SOCKET						
NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PP-S3-04MALD	40PPV-SE3-04MALD	1/4" ID	6.4mm ID	1.9" (48mm)	.86" (22mm)	1.04" (26mm)
40PP-S3-06MALD	40PPV-SE3-06MALD	3/8" ID	9.5mm ID	1.9" (48mm)	.86" (22mm)	1.04" (26mm)

PANEL MOUNT PTF SOCKET						
NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PP-S8-06MALD	40PPV-SE8-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.95" (50mm)	.86" (22mm)	1.04" (26mm)



PART NUMBER GUIDE EXAMPLE:

40 PP V - PE 2 - 04MALD

FLOW SIZE OR LATCH TYPE
 MATERIAL
 VALVE
 CONFIG. AND O-RING
 TYPE
 CONNECTION SIZE
 COLOR OPTION

*External product dimensions are the same with or without a shut off valve



NON-VALVED

MALE THREAD PLUG					
NON-VALVED	THREAD SIZE	LENGTH	WIDTH	HEIGHT	
40PPX-PE1-04MALD	1/4" NPT	1.50" (38mm)	.63" (16mm)	.63" (16mm)	

IN-LINE HOSE BARB PLUG					
NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PP-PE2-04MALD	1/4" ID	6.4mm ID	1.25" (32mm)	.70" (18mm)	.70" (18mm)
40PP-PE2-06MALD	3/8" ID	9.5mm ID	1.25" (32mm)	.70" (18mm)	.70" (18mm)

IN-LINE PTF PLUG					
NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPX-PE3-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.68" (43mm)	.63" (16mm)	.63" (16mm)

PANEL MOUNT HOSE BARB PLUG					
NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PP-PE3-04MALD	1/4" ID	6.4mm ID	1.85" (47mm)	.75" (19mm)	.75" (19mm)
40PP-PE3-06MALD	3/8" ID	9.5mm ID	1.85" (47mm)	.75" (19mm)	.75" (19mm)

ELBOW HOSE BARB PLUG					
NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPX-PE4-04MALD	1/4" ID	6.4mm ID	1.20" (30mm)	.63" (16mm)	1.30" (33mm)
40PPX-PE4-06MALD	3/8" ID	9.5mm ID	1.20" (30mm)	.63" (16mm)	1.30" (33mm)

ELBOW PTF PLUG					
NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPX-PE10-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.20" (30mm)	.63" (16mm)	1.30" (33mm)

VALVED

MALE THREAD PLUG					
VALVED	THREAD SIZE	LENGTH	WIDTH	HEIGHT	
40PPV-PE1-04MALD	1/4" NPT	1.65" (42mm)	.63" (16mm)	.63" (16mm)	

IN-LINE HOSE BARB PLUG					
VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPV-PE2-04MALD	1/4" ID	6.4mm ID	1.94" (49mm)	.70" (18mm)	.70" (18mm)
40PPV-PE2-06MALD	3/8" ID	9.5mm ID	1.83" (46mm)	.70" (18mm)	.70" (18mm)

IN-LINE PTF PLUG					
VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPV-PE9-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.83" (46mm)	.63" (16mm)	.63" (16mm)

PANEL MOUNT HOSE BARB PLUG					
VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPV-PE3-04MALD	1/4" ID	6.4mm ID	2.00" (51mm)	.75" (19mm)	.75" (19mm)
40PPV-PE3-06MALD	3/8" ID	9.5mm ID	2.00" (51mm)	.75" (19mm)	.75" (19mm)

ELBOW HOSE BARB PLUG					
VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPV-PE4-04MALD	1/4" ID	6.4mm ID	1.35" (34mm)	.63" (16mm)	1.30" (33mm)
40PPV-PE4-06MALD	3/8" ID	9.5mm ID	1.35" (34mm)	.63" (16mm)	1.30" (33mm)

ELBOW PTF PLUG					
VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
40PPV-PE10-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.35" (34mm)	.63" (16mm)	1.30" (33mm)