

# PPA, PPM, PPL Series

## Push-Button Thermoplastic Couplings

### Quick Connections with a “CLICK”

Parker Hannifin's PPA, PPM & PPL push-button couplings combine the advantages of thermoplastic material with the traditional flow functions found in metal couplings.

Users can be assured of making easy and secure connections with the simple push-button latch operation and audible “CLICK”.

The PPA, PPM & PPL Series couplings offer a streamline design providing users with longer seal life, resistance to accidental disconnections, and greater chemical compatibility. These features make the PPA, PPM & PPL Series ideal for medical, laboratory, consumer, instrumentation, and industrial applications.

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### Push-Button Coupling Features:

- Easy-to-use push-to-connect design, with audible “CLICK” upon connection
- Smooth operating push-button latch, highly resistant to accidental disconnect
- Available in a variety of common configurations, port and valving options
- Streamlined, compact and lightweight ergonomic design
- Resistant to many chemicals, and suitable for liquid and gas applications

ENGINEERING YOUR SUCCESS.

# Thermoplastic Couplings

## PPA Series Push-Button Plastic Latch



Interconnects with similar plastic latch push-button couplings.

PPA Series Couplings are general purpose, thermoplastic couplings. The PPA couplers are push-to-connect and have a plastic latch for push-button release. With a fully plastic exterior and smooth face, they are non-marring to most surfaces.

Note: Does not interchange with PPL Series.

### Applications include:

- Medical Devices
- Laboratory Equipment
- Chemical Processing
- Food and Beverage
- Industrial

### PPA Series Specifications

Flow Capacity	Rated Pressure	Temperature	Body & Latch Material	Spring Material	Seal Material
1/4"	Vacuum to 120 psi	-40° to +180° F -40° to +82° C	Acetal Copolymer	Stainless Steel	Nitrile

### PPA Couplers - Hose Barb

Body Size		Valved	Tube I.D.	Part Number	L	H	Body Size		Valved	Tube I.D.	Part Number	L	H
1/4	Yes	1/4"	PPA-251-4HB	2.03	0.93	No	1/4"	PPA-253-4HBSB	1.36	0.93			
1/4	Yes	3/8"	PPA-251-6HB	2.04	0.93	No	3/8"	PPA-253-6HBSB	1.36	0.93			

### PPA Nipples - Hose Barb

Body Size		Valved	Tube I.D.	Part Number	L	H	Body Size		Valved	Tube I.D.	Part Number	L	H
1/4	Yes	1/4"	PPA-252-4HB	1.89	0.71	No	1/4"	PPA-254-4HB	1.35	0.63			
1/4	Yes	3/8"	PPA-252-6HB	1.75	0.71	No	3/8"	PPA-254-6HB	1.36	0.61			

# Thermoplastic Couplings

## PPM & PPL Series Push-Button Metal Latch



Interconnects with similar metal latch push-button couplings.

PPM & PPL Series Couplings are general purpose, thermoplastic couplings. The push-to-connect feature and push-button release provides simple one-handed operation. The couplers and nipples are available with or without valves and can be used in any combination. The light weight thermoplastic material resists dust. Standard seal material is Nitrile.

### Applications include:

- Medical Devices
- Laboratory Equipment
- Chemical Processing
- Food and Beverage
- Industrial
- Process Equipment

PPM & PPL Series Specifications						
	Flow Capacity	Rated Pressure	Temperature	Body Material	Latch & Spring Material	Seal Material
PPM Series	1/8"	Vacuum to 120 psi	-40° to +180° F	Acetal Copolymer	Stainless Steel	Nitrile
PPL Series	1/4"		-40° to +82° C			

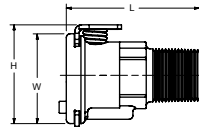
PPM & PPL Couplers - In-Line Hose Barb										
Body Size	Valved or Non-Valved	Tube I.D.	Hose Barb				Bulkhead Hose Barb with Nut			
			Part Number	L	W	H	Part Number	L	W	H
1/8	Valved	1/8"	PPM-121-2HB	1.65	0.62	0.80	PPM-121-H2HB	1.65	0.62	0.80
1/8	Valved	3/16"	PPM-121-3HB	1.80	0.62	0.80	PPM-121-H3HB	1.80	0.62	0.80
1/8	Valved	1/4"	PPM-121-4HB	1.80	0.62	0.80	PPM-121-H4HB	1.80	0.62	0.80
1/8	Non-Valved	1/8"	PPM-123-2HB	1.65	0.62	0.80				
1/8	Non-Valved	3/16"	PPM-123-3HB	1.80	0.62	0.80				
1/8	Non-Valved	1/4"	PPM-123-4HB	1.80	0.62	0.80				
1/4	Valved	1/4"	PPL-251-4HB	1.90	0.75	0.93	PPL-251-H4HB	1.88	0.75	0.93
1/4	Valved	5/16"	PPL-251-5HB	1.95	0.75	0.93				
1/4	Valved	3/8"	PPL-251-6HB	1.90	0.75	0.93	PPL-251-H6HB	1.88	0.75	0.93
1/4	Non-Valved	1/4"	PPL-253-4HB	1.90	0.75	0.93				
1/4	Non-Valved	5/16"	PPL-253-5HB	1.95	0.75	0.93				
1/4	Non-Valved	3/8"	PPL-253-6HB	1.90	0.75	0.93				

# Thermoplastic Couplings

## PPM & PPL Series Push-Button Metal Latch

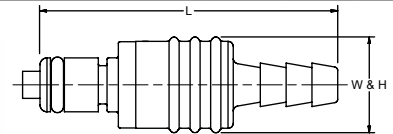


### PPM & PPL Couplers - Male Thread



Body Size	Valved or Non-Valved	Port End	Part Number	L	W	H
1/8	Valved	1/8" NPT	PPM-121-2MP	1.00	0.62	0.80
1/8	Valved	1/4" NPT	PPM-121-4MP	1.10	0.62	0.80
1/8	Non-Valved	1/8" NPT	PPM-123-2MP	1.00	0.62	0.80
1/8	Non-Valved	1/4" NPT	PPM-123-4MP	1.10	0.62	0.80
1/4	Valved	1/4" NPT	PPL-251-4MP	1.15	0.75	0.93
1/4	Valved	3/8" NPT	PPL-251-6MP	1.15	0.75	0.93
1/4	Non-Valved	1/4" NPT	PPL-253-4MP	1.15	0.75	0.93
1/4	Non-Valved	3/8" NPT	PPL-253-6MP	1.15	0.75	0.93

### PPM & PPL Nipples - In-Line Hose Barb



Body Size	Valved or Non-Valved	Tube I.D.	Hose Barb				Bulkhead Hose Barb with Nut			
			Part Number	L	W	H	Part Number	L	W	H
1/8	Valved	1/8"	PPM-122-2HB	0.97	0.55	0.55	PPM-122-H2HB	1.61	0.62	0.62
1/8	Valved	3/16"	PPM-122-3HB	1.12	0.55	0.55	PPM-122-H3HB	1.76	0.62	0.62
1/8	Valved	1/4"	PPM-122-4HB	1.12	0.55	0.55	PPM-122-H4HB	1.76	0.62	0.62
1/8	Non-Valved	1/8"	PPM-124-2HB	0.97	0.50	0.50				
1/8	Non-Valved	3/16"	PPM-124-3HB	1.12	0.50	0.50	PPM-124-H3HB	1.76	0.62	0.62
1/8	Non-Valved	1/4"	PPM-124-4HB	1.12	0.50	0.50				
1/4	Valved	1/4"	PPL-252-4HB	1.80	0.70	0.70	PPL-252-H4HB	1.87	0.74	0.74
1/4	Valved	5/16"	PPL-252-5HB	1.85	0.70	0.70				
1/4	Valved	3/8"	PPL-252-6HB	1.67	0.70	0.70	PPL-252-H6HB	1.84	0.74	0.74
1/4	Non-Valved	1/4"	PPL-254-4HB	1.25	0.62	0.62				
1/4	Non-Valved	5/16"	PPL-254-5HB	1.28	0.62	0.62				
1/4	Non-Valved	3/8"	PPL-254-6HB	1.25	0.62	0.62				

### PPM & PPL Nipples - Male Thread



Body Size	Valved or Non-Valved	Port End	Part Number	L	W	H
1/8	Valved	1/8" NPT	PPM-122-2MP	1.27	0.50	0.50
1/8	Valved	1/4" NPT	PPM-122-4MP	1.29	0.56	0.56
1/8	Non-Valved	1/8" NPT	PPM-124-2MP	1.03	0.49	0.49
1/8	Non-Valved	1/4" NPT	PPM-124-4MP	1.13	0.56	0.56
1/4	Valved	1/4" NPT	PPL-252-4MP	1.50	0.62	0.62
1/4	Valved	3/8" NPT	PPL-252-6MP	1.65	0.75	0.75
1/4	Non-Valved	1/4" NPT	PPL-254-4MP	1.26	0.62	0.62
1/4	Non-Valved	3/8" NPT	PPL-254-6MP	1.25	0.75	0.75

### PPM & PPL Nipples - 90° Hose Barb



Body Size	Valved or Non-Valved	Tube I.D.	Part Number	L	W	H
1/8	Valved	1/8"	PPM-122-C2HB	1.09	0.50	0.95
1/8	Valved	1/4"	PPM-122-C4HB	1.09	0.50	1.10
1/8	Non-Valved	1/8"	PPM-124-C2HB	0.86	0.50	1.10
1/8	Non-Valved	1/4"	PPM-124-C4HB	0.98	0.50	1.15
1/4	Valved	1/4"	PPL-252-C4HB	1.19	0.62	1.23
1/4	Valved	3/8"	PPL-252-C6HB	1.24	0.62	1.23
1/4	Non-Valved	1/4"	PPL-254-C4HB	1.10	0.62	1.27
1/4	Non-Valved	3/8"	PPL-254-C6HB	1.10	0.62	1.23

