

# 10AC & 10PP Series Couplings

Tube Size 1/16" - 1/8"  
1/16" Flow Acetal (POM) & Polypropylene

10AC couplings are produced in a durable natural Acetal thermoplastic and the 10PP couplings are produced from medical grade, gamma sterilizable polypropylene. The Acetal couplings are resistant to most mild chemicals and are manufactured to be trouble free for many years of service while the Polypropylene couplings offer greater chemical resistance. They are intuitive to use and make an audible click when coupled with their new and improved "Easy Grip Barrel." Both 10AC and 10PP Couplings interconnect with each other as well as other similar industry twist lock type couplings.



### 10AC Performance Ratings:

- Operating Pressure: Vacuum to 100psi; (6.9bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/16" Size

### 10AC Materials & Construction:

- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Lock Sleeve: Acetal (POM)

### 10PP Performance Ratings:

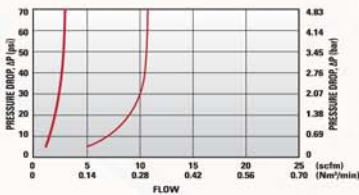
- Operating Pressure: Vacuum to 100psi; (6.9bar)
- Temperature: 32°F to 180°F; (0°C to 82°C)
- Flow Capacity: 1/16" Size

### 10PP Materials & Construction:

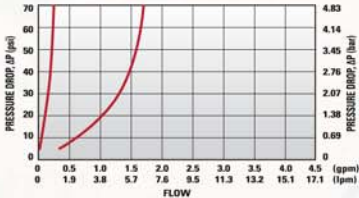
- Bodies & Terminations: medical grade Polypropylene
- Internal Valves: medical grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Lock Sleeve: Acetal (POM)

## IMPROVED EASY GRIP BARREL

### 10AC and 10PP Series Air Flow



### 10AC and 10PP Series Water Flow



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<sub>v</sub> = Average flow rates (see chart)
- ΔP = Pressure drop across coupling (psi)
- S = Specific gravity of liquid.

### FLOW RATES

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

### Cv Values for 10AC Series Couplings

SOCKETS	10AC-PB2-01	10AC-PB2-02	10AC-PB3-01	10AC-PB3-02
10AC-S2-01	0.03	0.03	0.03	0.03
10ACV-SB2-01	0.03	0.03	0.03	0.03
10AC-S2-02	0.03	0.19	0.03	0.19
10ACV-SB2-02	0.03	0.08	0.03	0.08
10AC-S3-01	0.03	0.03	0.03	0.03
10ACV-SB3-01	0.03	0.03	0.03	0.03
10AC-S3-02	0.03	0.19	0.03	0.19
10ACV-SB3-02	0.03	0.08	0.03	0.08

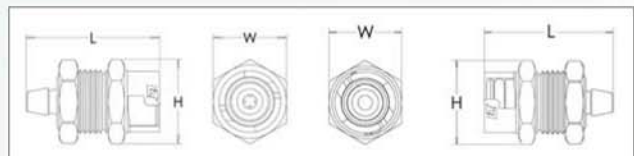
### Cv Values for 10PP Series Couplings

SOCKETS	10PP-PB2-01	10PP-PB2-02	10PP-PB3-01	10PP-PB3-02
10PP-S2-01	0.03	0.03	0.03	0.03
10PP-S2-02	0.03	0.19	0.03	0.19
10PP-S3-01	0.03	0.03	0.03	0.03
10PP-S3-02	0.03	0.19	0.03	0.19

### Panel Mount Dimensions


	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	.438"	.21"	.03"
PLUGS	.438"	.21"	.03"

PANEL NUT HEX SIZE	PANEL NUT THREAD
1/2"	7/16" - 24UNF



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

# 10AC Series Sockets



IN-LINE HOSE BARB SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-S2-01	10ACV-SB2-01	1/16" ID	1.6mm ID	.90"	.48"	.48"
10AC-S2-01BLK	10ACV-SB2-01BLK	1/16" ID	1.6mm ID	.90"	.48"	.48"
10AC-S2-02	10ACV-SB2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"
10AC-S2-02BLK	10ACV-SB2-02BLK	1/8" ID	3.2mm ID	.90"	.48"	.48"



PANEL MOUNT HOSE BARB SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-S3-01	10ACV-SB3-01	1/16" ID	1.6mm ID	.90"	.50"	.58"
10AC-S3-01BLK	10ACV-SB3-01BLK	1/16" ID	1.6mm ID	.90"	.50"	.58"
10AC-S3-02	10ACV-SB3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"
10AC-S3-02BLK	10ACV-SB3-02BLK	1/8" ID	3.2mm ID	.90"	.50"	.58"



IN-LINE HOSE BARB SOCKET, NO SLEEVE						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-S2-01NS	10ACV-SB2-01NS	1/16" ID	1.6mm ID	.90"	.32"	.32"
10AC-S2-01NSBLK	10ACV-SB2-01NSBLK	1/16" ID	1.6mm ID	.90"	.32"	.32"
10AC-S2-02NS	10ACV-SB2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"
10AC-S2-02NSBLK	10ACV-SB2-02NSBLK	1/8" ID	3.2mm ID	.90"	.32"	.32"

# 10AC Series Plugs



IN-LINE HOSE BARB PLUG					
Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-PB2-01	1/16" ID	1.6mm ID	.75"	.48"	.48"
10AC-PB2-01BLK	1/16" ID	1.6mm ID	.75"	.48"	.48"
10AC-PB2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"
10AC-PB2-02BLK	1/8" ID	3.2mm ID	.90"	.48"	.48"




PANEL MOUNT HOSE BARB PLUG					
Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-PB3-01	1/16" ID	1.6mm ID	.75"	.50"	.58"
10AC-PB3-01BLK	1/16" ID	1.6mm ID	.75"	.50"	.58"
10AC-PB3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"
10AC-PB3-02BLK	1/8" ID	3.2mm ID	.90"	.50"	.58"



IN-LINE HOSE BARB PLUG, NO SLEEVE					
Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-PB2-01NS	1/16" ID	1.6mm ID	.75"	.32"	.32"
10AC-PB2-01NSBLK	1/16" ID	1.6mm ID	.75"	.32"	.32"
10AC-PB2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"
10AC-PB2-02NSBLK	1/8" ID	3.2mm ID	.90"	.32"	.32"

# 10AC In-Line Coupling



IN-LINE HOSE BARB COUPLING						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC2-01	10ACV2-01	1/16" ID	1.6mm ID	1.46"	.48"	.48"
10AC2-01BLK	10ACV2-01BLK	1/16" ID	1.6mm ID	1.46"	.48"	.48"
10AC2-02	10ACV2-02	1/8" ID	3.2mm ID	1.61"	.48"	.48"
10AC2-02BLK	10ACV2-02BLK	1/8" ID	3.2mm ID	1.61"	.48"	.48"

\*BLK denotes part available in Black.

ALL COMPLETE PARTS ALSO AVAILABLE IN BLACK



## 10PP Series Sockets



### IN-LINE HOSE BARB SOCKET

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-S2-01	1/16" ID	1.6mm ID	.90"	.48"	.48"
10PP-S2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"



### PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-S3-01	1/16" ID	1.6mm ID	.90"	.50"	.58"
10PP-S3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"



### IN-LINE HOSE BARB SOCKET, NO SLEEVE

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-S2-01NS	1/16" ID	1.6mm ID	.90"	.32"	.32"
10PP-S2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"

## 10PP Series Plugs



### IN-LINE HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-PE2-01	1/16" ID	1.6mm ID	.75"	.48"	.48"
10PP-PE2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"



### PANEL MOUNT HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-PE3-01	1/16" ID	1.6mm ID	.75"	.50"	.58"
10PP-PE3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"



### IN-LINE HOSE BARB PLUG, NO SLEEVE

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-PE2-01NS	1/16" ID	1.6mm ID	.75"	.32"	.32"
10PP-PE2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"

## 10PP In-Line Coupling



### IN-LINE HOSE BARB COUPLING

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP2-01	1/16" ID	1.6mm ID	1.46"	.48"	.48"
10PP2-02	1/8" ID	3.2mm ID	1.61"	.48"	.48"