

10AC SERIES

TUBING SIZE 1/16" - 1/8" | 1/16" FLOW ACETAL (POM)



See our website for Solid Models

IMPROVED EASY GRIP BARREL

10AC couplings are produced in a durable natural Acetal (POM) thermoplastic. These couplings are resistant to most mild chemicals and are manufactured to be trouble free for many years of service. They are intuitive to use and make an audible "click" when coupled with their improved "Easy Grip Barrel." The 10AC couplings interconnects with the 10PP couplings as well as other similar industry twist lock type couplings.

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

MATERIALS & CONSTRUCTION

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

Please contact us for NSF compliant and cleanroom produced versions.

Interchangeable with CPC®-Colder SMC Series



*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	.438"	.21"	0.03"
PLUGS	.438"	.21"	0.03"



*All parts also available in black

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

PART NUMBER GUIDE EXAMPLE:

10 AC - S 2 - 02

FLOW SIZE OR LATCH TYPE MATERIAL NO VALVE CONFIG. AND O-RING TYPE CONNECTION SIZE

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:

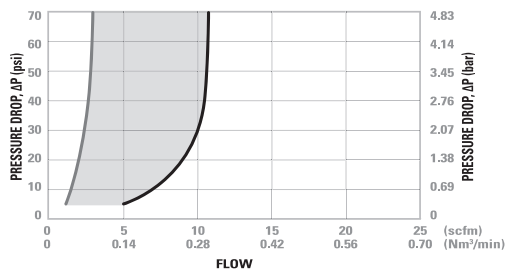
$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

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 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

10AC Series Air Flow



Valved Socket & Plug



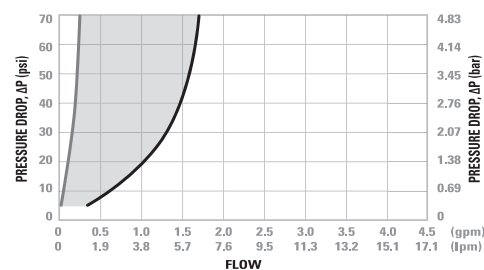
Valved & Non-Valved Coupling Set



Non-Valved Socket & Plug



10AC Series Water Flow





Interchangeable with
CPC® Colder SMC Series



3mm Sizes

NEW

10AC

Tubing Size 1/16" - 1/8"
1/16" Flow Acetal (POM)



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" (23mm)	.48" (12mm)	.48" (12mm)
10AC-S2-M3	10ACV-SB2-M3	N/A	3.0mm ID	1.0" (23mm)	.48" (12mm)	.48" (12mm)
10AC-S2-02	10ACV-SB2-02	1/8" ID	3.2mm ID	.90" (23mm)	.48" (12mm)	.48" (12mm)



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" (23mm)	.50" (13mm)	.58" (15mm)
10AC-S3-M3	10ACV-SB3-M3	N/A	3.0mm ID	1.0" (23mm)	.50" (13mm)	.58" (15mm)
10AC-S3-02	10ACV-SB3-02	1/8" ID	3.2mm ID	.90" (23mm)	.50" (13mm)	.58" (15mm)



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" (23mm)	.32" (8mm)	.32" (8mm)
10AC-S2-M3NS	10ACV-SB2-M3NS	N/A	3.0mm ID	.90" (23mm)	.32" (8mm)	.32" (8mm)
10AC-S2-02NS	10ACV-SB2-02NS	1/8" ID	3.2mm ID	.90" (23mm)	.32" (8mm)	.32" (8mm)



IN-LINE HOSE BARB SOCKET

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-S2-01BLK	10ACV-SB2-01BLK	1/16" ID	1.6mm ID	.90" (23mm)	.48" (12mm)	.48" (12mm)
10AC-S2-M3BLK	10ACV-SB2-M3BLK	N/A	3.0mm ID	1.0" (23mm)	.48" (12mm)	.48" (12mm)
10AC-S2-02BLK	10ACV-SB2-02BLK	1/8" ID	3.2mm ID	.90" (23mm)	.48" (12mm)	.48" (12mm)



PANEL MOUNT HOSE BARB SOCKET

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-S3-01BLK	10ACV-SB3-01BLK	1/16" ID	1.6mm ID	.90" (23mm)	.50" (13mm)	.58" (15mm)
10AC-S3-M3BLK	10ACV-SB3-M3BLK	N/A	3.0mm ID	1.0" (23mm)	.50" (13mm)	.58" (15mm)
10AC-S3-02BLK	10ACV-SB3-02BLK	1/8" ID	3.2mm ID	.90" (23mm)	.50" (13mm)	.58" (15mm)



IN-LINE HOSE BARB SOCKET, NO SLEEVE

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-S2-01NSBLK	10ACV-SB2-01NSBLK	1/16" ID	1.6mm ID	.90" (23mm)	.32" (8mm)	.32" (8mm)
10AC-S2-M3NSBLK	10ACV-SB2-M3NSBLK	N/A	3.0mm ID	.90" (23mm)	.32" (8mm)	.32" (8mm)
10AC-S2-02NSBLK	10ACV-SB2-02NSBLK	1/8" ID	3.2mm ID	.90" (23mm)	.32" (8mm)	.32" (8mm)



Interchangeable with
CPC® Colder SMC Series



IN-LINE HOSE BARB PLUG

NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-PB2-01	1/16" ID	1.6mm ID	.75" (19mm)	.48" (12mm)	.48" (12mm)
10AC-PB2-M3	N/A	3.0mm ID	.80" (19mm)	.48" (12mm)	.48" (12mm)
10AC-PB2-02	1/8" ID	3.2mm ID	.90" (23mm)	.48" (12mm)	.48" (12mm)



PANEL MOUNT HOSE BARB PLUG

NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-PB3-01	1/16" ID	1.6mm ID	.75" (19mm)	.50" (13mm)	.58" (15mm)
10AC-PB3-M3	N/A	3.0mm ID	.77" (19mm)	.50" (13mm)	.58" (15mm)
10AC-PB3-02	1/8" ID	3.2mm ID	.90" (23mm)	.50" (13mm)	.58" (15mm)



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" (19mm)	.32" (8mm)	.32" (8mm)
10AC-PB2-M3NS	N/A	3.0mm ID	.80" (19mm)	.32" (8mm)	.32" (8mm)
10AC-PB2-02NS	1/8" ID	3.2mm ID	.90" (23mm)	.32" (8mm)	.32" (8mm)



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" (37mm)	.48" (12mm)	.48" (12mm)
10AC2-M3	10ACV2-M3	N/A	3.0mm ID	1.46" (37mm)	.48" (12mm)	.48" (12mm)
10AC2-02	10ACV2-02	1/8" ID	3.2mm ID	1.61" (41mm)	.48" (12mm)	.48" (12mm)



IN-LINE HOSE BARB PLUG

NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-PB2-01BLK	1/16" ID	1.6mm ID	.75" (19mm)	.48" (12mm)	.48" (12mm)
10AC-PB2-M3BLK	N/A	3.0mm ID	.80" (19mm)	.48" (12mm)	.48" (12mm)
10AC-PB2-02BLK	1/8" ID	3.2mm ID	.90" (23mm)	.48" (12mm)	.48" (12mm)



PANEL MOUNT HOSE BARB PLUG

NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-PB3-01BLK	1/16" ID	1.6mm ID	.75" (19mm)	.50" (13mm)	.58" (15mm)
10AC-PB3-M3BLK	N/A	3.0mm ID	.80" (19mm)	.50" (13mm)	.58" (15mm)
10AC-PB3-02BLK	1/8" ID	3.2mm ID	.90" (23mm)	.50" (13mm)	.58" (15mm)



IN-LINE HOSE BARB PLUG, NO SLEEVE

NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-PB2-01NSBLK	1/16" ID	1.6mm ID	.75" (19mm)	.32" (8mm)	.32" (8mm)
10AC-PB2-M3NSBLK	N/A	3.0mm ID	.80" (19mm)	.32" (8mm)	.32" (8mm)
10AC-PB2-02NSBLK	1/8" ID	3.2mm ID	.90" (23mm)	.32" (8mm)	.32" (8mm)



IN-LINE HOSE BARB COUPLING

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC2-01BLK	10ACV2-01BLK	1/16" ID	1.6mm ID	1.46" (37mm)	.48" (12mm)	.48" (12mm)
10AC2-M3BLK	10ACV2-M3BLK	N/A	3.0mm ID	1.46" (37mm)	.48" (12mm)	.48" (12mm)
10AC2-02BLK	10ACV2-02BLK	1/8" ID	3.2mm ID	1.61" (41mm)	.48" (12mm)	.48" (12mm)



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

PART NUMBER GUIDE EXAMPLE:

10 AC - S 2 - 02

FLOW SIZE OR LATCH TYPE MATERIAL NO VALVE CONFIG. AND O-RING TYPE CONNECTION SIZE