

40AC Series Couplings

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)

These general purpose 1/4" flow size couplings are produced in a durable natural Acetal (POM) thermoplastic. They feature a thumb-latch release which provides a simple one hand operation. They are available in both valved and non-valved configurations. All 40AC couplings interconnect with all other 40PP and 40CB couplings as well as other similar industry thumb-latch type couplings.



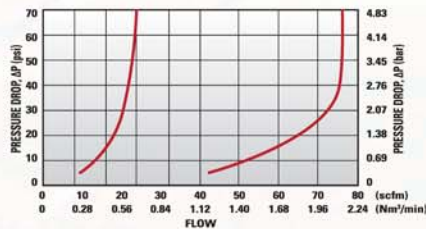
Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/4" Size

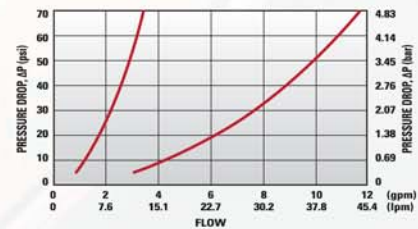
Materials & Construction:

- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Listed Grade Buna-N (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel

40AC Series Air Flow



40AC Series Water Flow



FLOW RATES

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

C_v Values for 40AC Series Couplings

SOCKETS	40ACV-PB2-04	40AC-PB2-04	40ACV-PB2-06	40AC-PB2-06	40ACV-PB9-04	40AC-PB9-04	40ACV-PB9-06	40AC-PB9-06	40ACV-PB1-04	40AC-PB1-04	40ACV-PB1-06	40AC-PB1-06
40ACV-SB2-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
40AC-S2-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40ACV-SB2-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
40AC-S2-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
40ACV-SB3-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
40AC-S3-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40ACV-SB3-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
40AC-S3-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
40ACV-SB1-04	0.41	0.65	0.5	0.81	0.31	0.35	0.48	0.74	0.45	0.8	0.45	0.8
40AC-S1-04	0.56	0.84	0.83	1.4	0.35	0.4	0.58	1.04	0.75	1.4	0.78	1.4
40ACV-SB1-06	0.43	0.7	0.5	1.03	0.3	0.36	0.7	0.48	0.45	0.97	0.48	1
40AC-S1-06	0.57	0.84	0.82	1.4	0.35	0.4	0.6	1.05	0.75	1.4	0.75	1.4

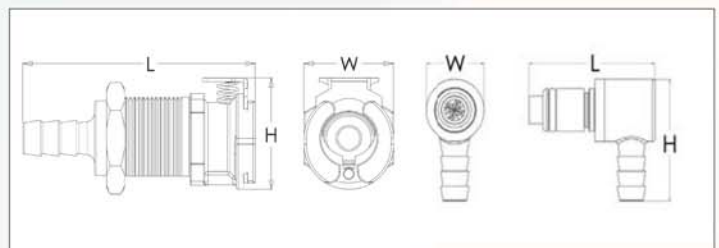
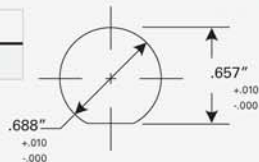
Specific coupling combination flow rates can be determined by using this formula:

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

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.

	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





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


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1/4" Flow Acetal (POM)

40AC Series Sockets


		MALE THREAD SOCKET					
Non-Valved	Valved	Thread Size	Length	Width	Height		
40AC-S1-04	40ACV-SB1-04	1/4" NPT	1.15"	.75"	.93"		
40AC-S1-04BSPT	40ACV-SB1-04BSPT	1/4" BSPT	1.15"	.75"	.93"		
40AC-S1-06	40ACV-SB1-06	3/8" NPT	1.15"	.75"	.93"		
40AC-S1-06BSPT	40ACV-SB1-06BSPT	3/8" BSPT	1.15"	.75"	.93"		


		IN-LINE HOSE BARB SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height		
40AC-S2-04	40ACV-SB2-04	1/4" ID	6.4mm ID	1.90"	.75"	.93"		
40AC-S2-05	40ACV-SB2-05	5/16" ID	7.9mm ID	1.90"	.75"	.93"		
40AC-S2-06	40ACV-SB2-06	3/8" ID	9.5mm ID	1.90"	.75"	.93"		

		IN-LINE PTF SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height		
40AC-S9-04	40ACV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.85"	.75"	.93"		
40AC-S9-06	40ACV-SB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.75"	.93"		

		PANEL MOUNT HOSE BARB SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height		
40AC-S3-04	40ACV-SB3-04	1/4" ID	6.4mm ID	1.90"	.75"	.93"		
40AC-S3-05	40ACV-SB3-05	5/16" ID	7.9mm ID	1.90"	.75"	.93"		
40AC-S3-06	40ACV-SB3-06	3/8" ID	9.5mm ID	1.90"	.75"	.93"		


		PANEL MOUNT PTF SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height		
40AC-S8-04	40ACV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.87"	.75"	.93"		
40AC-S8-06	40ACV-SB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.75"	.93"		

		IN-LINE PUSH-IN SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height		
40AC-S17-04	40ACV-SB17-04	1/4" OD	6.4mm OD	1.93"	.75"	.93"		

		PANEL MOUNT PUSH-IN SOCKET						
Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height		
40AC-S18-04	40ACV-SB18-04	1/4" OD	6.4mm OD	1.93"	.75"	.94"		


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1/4" Flow Acetal (POM)

40AC Series Plugs

		MALE THREAD PLUG					
Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height		
40AC-PB1-04	40ACV-PB1-04	1/4" NPT	1.25"/1.65"	.63"	.63"		
40AC-PB1-04BSPT	40ACV-PB1-04BSPT	1/4" BSPT	1.25"/1.65"	.63"	.63"		
40AC-PB1-06	40ACV-PB1-06	3/8" NPT	1.25"/1.65"	.75"	.75"		
40AC-PB1-06BSPT	40ACV-PB1-06BSPT	3/8" BSPT	1.25"/1.65"	.75"	.75"		

40AC Series Plugs


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		IN-LINE HOSE BARB PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40AC-PB2-04	40ACV-PB2-04	1/4" ID	6.4mm ID	1.25"/1.94"	.70"	.70"		
40AC-PB2-05	40ACV-PB2-05	5/16" ID	7.9mm ID	1.25"/1.94"	.70"	.70"		
40AC-PB2-06	40ACV-PB2-06	3/8" ID	9.5mm ID	1.25"/1.83"	.70"	.70"		

		IN-LINE PTF PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40AC-PB9-04	40ACV-PB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.25"/1.89"	.63"	.63"		
40AC-PB9-06	40ACV-PB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.40"/1.83"	.63"	.63"		


		PANEL MOUNT HOSE BARB PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40AC-PB3-04	40ACV-PB3-04	1/4" ID	6.4mm ID	1.86"/2.01"	.75"	.75"		
40AC-PB3-05	40ACV-PB3-05	5/16" ID	7.9mm ID	1.91"/2.05"	.75"	.75"		
40AC-PB3-06	40ACV-PB3-06	3/8" ID	9.5mm ID	1.86"/2.01"	.75"	.75"		


		PANEL MOUNT PTF PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40AC-PB8-04	40ACV-PB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.77"/1.91"	.63"	.80"		
40AC-PB8-06	40ACV-PB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.90"/2.04"	.63"	.80"		

		ELBOW HOSE BARB PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40AC-PB4-04	40ACV-PB4-04	1/4" ID	6.4mm ID	1.10"/1.35"	.63"	1.30"		
40AC-PB4-06	40ACV-PB4-06	3/8" ID	9.5mm ID	1.10"/1.35"	.63"	1.30"		

		ELBOW PTF PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40ACX-PB10-04	40ACV-PB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.09"/1.19"	.63"	1.15"		
40AC-PB10-06	40ACV-PB10-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.22"/1.37"	.63"	1.30"		

		ELBOW MALE THREAD PLUG						
Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height			
40AC-PB16-04	40ACV-PB16-04	1/4" NPT	1.20"/1.35"	.70"	1.47"			

		IN-LINE PUSH-IN PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40AC-PB17-04	40ACV-PB17-04	1/4" OD	6.4mm OD	1.81"/1.97"	.70"	.70"		

		PANEL MOUNT PUSH-IN PLUG						
Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height		
40AC-PB18-04	40ACV-PB18-04	1/4" OD	6.4mm OD	1.88"/2.03"	.75"	.75"		

		END STOP PLUG				
Non-Valved		Length	Width	Height		
40AC-PB6		.93"	.63"	.63"		

*See Accessories for Push-In fittings on page 44.

