

40CB Series Couplings

Tubing Size 1/4" - 3/8"
1/4" Flow Chrome Brass

Produced in food grade chrome plated brass, these 1/4" flow size couplings are more durable and withstand higher pressures. They are available with internal shut-off valves or straight through. All 40CB couplings interconnect with all other 40AC and 40PP couplings as well as other similar industry thumb-latch type couplings.



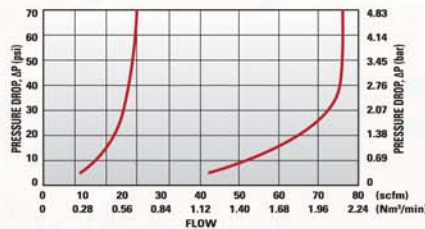
Performance Ratings:

- Operating Pressure: Vacuum to 250psi; (17.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/4" Size

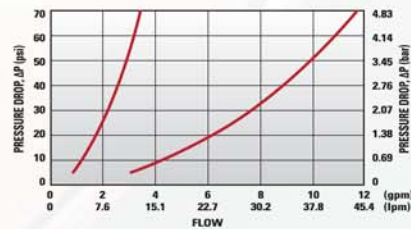
Materials & Construction:

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

40CB Series Air Flow



40CB Series Water Flow



FLOW RATES

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

C_v Values for 40CB Series Couplings

SOCKETS	40CBV-PB2-04	40CB-PB2-04	40CBV-PB2-06	40CB-PB2-06	40CBV-PB9-04	40CB-PB9-04	40CBV-PB9-06	40CB-PB9-06	40CBV-PB1-04	40CB-PB1-04	40CBV-PB1-06	40CB-PB1-06
40CBV-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
40CB-S2-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40CBV-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
40CB-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
40CBV-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
40CB-S3-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40CBV-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
40CB-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
40CBV-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
40CB-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
40CBV-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
40CB-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

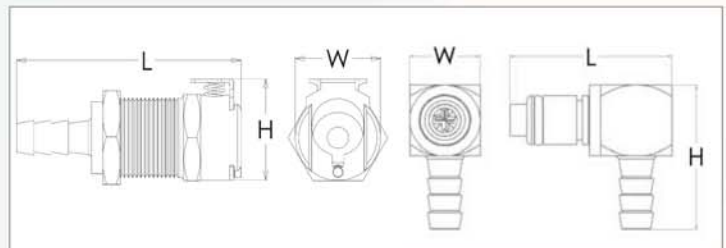
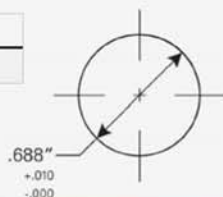
Specific coupling combination flow rates can be determined by using this formula:

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

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	0.688"	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 Chrome Brass

40CB Series Sockets

	MALE THREAD SOCKET						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
	40CB-S1-04	40CBV-SB1-04	1/4" NPT	1.15"	.86"	.90"	
	40CB-S1-04BSPT	40CBV-SB1-04BSPT	1/4" BSPT	1.15"	.86"	.90"	
	40CB-S1-06	40CBV-SB1-06	3/8" NPT	1.15"	.86"	.90"	
40CB-S1-06BSPT	40CBV-SB1-06BSPT	3/8" BSPT	1.15"	.86"	.90"		
	IN-LINE HOSE BARB SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S2-04	40CBV-SB2-04	1/4" ID	6.4mm ID	1.95"	.75"	.90"
	40CB-S2-05	40CBV-SB2-05	5/16" ID	7.9mm ID	2.00"	.75"	.90"
40CB-S2-06	40CBV-SB2-06	3/8" ID	9.5mm ID	2.00"	.75"	.90"	
	IN-LINE PTF SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S9-04	40CBV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.87"	.75"	.90"
40CB-S9-06	40CBV-SB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.75"	.90"	
	PANEL MOUNT HOSE BARB SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S3-04	40CBV-SB3-04	1/4" ID	6.4mm ID	1.95"	.86"	.90"
	40CB-S3-05	40CBV-SB3-05	5/16" ID	7.9mm ID	2.00"	.86"	.90"
40CB-S3-06	40CBV-SB3-06	3/8" ID	9.5mm ID	2.00"	.86"	.90"	
	PANEL MOUNT PTF SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S8-04	40CBV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.87"	.86"	.90"
40CB-S8-06	40CBV-SB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.86"	.90"	
	PANEL MOUNT MALE THREAD SOCKET						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
40CB-S12-04	40CBV-SB12-04	1/4" NPT	.87"	.90"	.80"		
	FEMALE THREAD SOCKET						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
40CB-S13-04	40CBV-SB13-04	1/4" NPT	1.15"/1.68"	.87"	.90"		
	MALE THREAD SOCKET (GASKET SEAL INCLUDED)						
	Non-Valved		Thread Size	Length	Width	Height	
	40CB-S3557		15/16-27	1.23"	.95"	.99"	
40CB-S3562		M24 X 1	1.23"	.95"	.99"		
	FEMALE THREAD SOCKET (GASKET SEAL INCLUDED)						
	Non-Valved		Thread Size	Length	Width	Height	
	40CB-S3559		55/64-27	1.21"	.97"	1.01"	
40CB-S3564		M22 X 1	1.21"	.97"	1.01"		

40CB Series Plugs

Tubing Size 1/4" - 3/8"
1/4" Flow Chrome Brass



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
40CB-PB1-04	40CBV-PB1-04	1/4" NPT	1.25"/1.55"	.63"	.63"
40CB-PB1-04BSPT	40CBV-PB1-04BSPT	1/4" BSPT	1.25"/1.55"	.63"	.63"
40CB-PB1-06	40CBV-PB1-06	3/8" NPT	1.25"/1.55"	.75"	.75"
40CB-PB1-06BSPT	40CBV-PB1-06BSPT	3/8" BSPT	1.25"/1.55"	.75"	.75"



FEMALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
40CB-PB13-04	40CBV-PB13-04	1/4" NPT	1.25"/1.90"	.63"	.63"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB2-04	40CBV-PB2-04	1/4" ID	6.4mm ID	1.30"/1.85"	.63"	.63"
40CB-PB2-05	40CBV-PB2-05	5/16" ID	7.9mm ID	1.30"/1.85"	.63"	.63"
40CB-PB2-06	40CBV-PB2-06	3/8" ID	9.5mm ID	1.30"/1.85"	.63"	.63"



IN-LINE PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB9-04	40CBV-PB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.21"/1.92"	.63"	.63"
40CB-PB9-06	40CBV-PB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.34"/2.05"	.63"	.63"



PANEL MOUNT HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB3-04	40CBV-PB3-04	1/4" ID	6.4mm ID	1.92"/2.06"	.75"	.75"
40CB-PB3-05	40CBV-PB3-05	5/16" ID	7.9mm ID	1.96"/2.10"	.75"	.75"
40CB-PB3-06	40CBV-PB3-06	3/8" ID	9.5mm ID	1.94"/2.08"	.75"	.75"



PANEL MOUNT PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB8-04	40CBV-PB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.82"/1.95"	.75"	.75"
40CB-PB8-06	40CBV-PB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.91"/2.05"	.75"	.75"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB4-04	40CBV-PB4-04	1/4" ID	6.4mm ID	1.28"/1.43"	.63"	1.28"
40CB-PB4-06	40CBV-PB4-06	3/8" ID	9.5mm ID	1.28"/1.43"	.63"	1.28"



ELBOW PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB10-04	40CBV-PB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.29"/1.43"	.63"	1.28"
40CB-PB10-06	40CBV-PB10-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.29"/1.43"	.63"	1.28"



*Patent Pending

PANEL MOUNT HOSE BARB PLUG, NON ROTATIONAL

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB20-04	40CBV-PB20-04	1/4" ID	6.4mm ID	1.92"/2.06"	.75"	.75"
40CB-PB20-05	40CBV-PB20-05	5/16" ID	7.9mm ID	1.96"/2.10"	.75"	.75"
40CB-PB20-06	40CBV-PB20-06	3/8" ID	9.5mm ID	1.94"/2.08"	.75"	.75"



*Patent Pending

PANEL MOUNT PTF PLUG, NON ROTATIONAL

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB21-04	40CBV-PB21-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.82"/1.95"	.75"	.75"
40CB-PB21-06	40CBV-PB21-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.91"/2.05"	.75"	.75"