

LQ4 SERIES CONNECTOR



LQ4 Series quick disconnect couplings provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for liquid cooling applications, LQ4 utilizes patent-pending valve technology that eliminates drips and is able to withstand long-term use.

FEATURES

- Non-spill design
- Redundant sealing when connected
- Color-coding
- No seal friction in disconnect even after connected state
- Enhanced latch design
- Lower, ergonomic profile

BENEFITS

- Disconnect under pressure with no spills
- Extra protection from leaks
- Instant visual difference in cooling lines
- Ultra-reliable protection from drips during long periods in connected state
- Easy to see orientation on manifolds and tubing
- Meets size requirements for space constrained electronics

Specifications ● ● ●

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

0°F to 240°F (-17°C to 115°C)

MAXIMUM FLOW AT DISCONNECT:

3.0 gal/min, 11.3L/min

MATERIALS:

Main Housing Components:

Chrome-plated brass

Valves and Thumb latch: Polysulfone

Valve Springs (wetted): Stainless steel

External springs and pin: Stainless steel

Seals: EPDM

COLOR: Chrome with Cool Blue or Warm Red

TUBING SIZES:

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

LUBRICANTS: Krytox® PFPE

SPILLAGE:

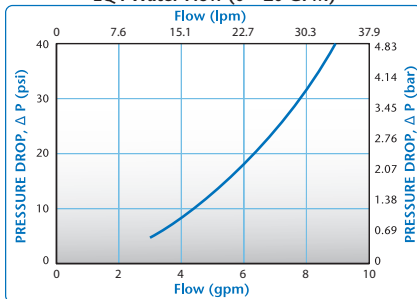
0.025 cc per disconnect rated at 0 psi

0.055 cc per disconnect rated at 120 psi

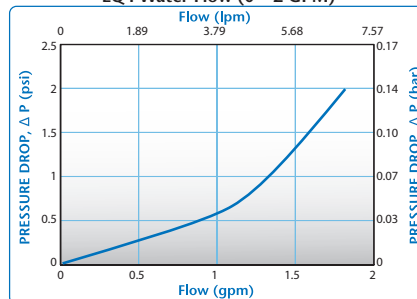
INCLUSION: 0.025 cc per connect

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

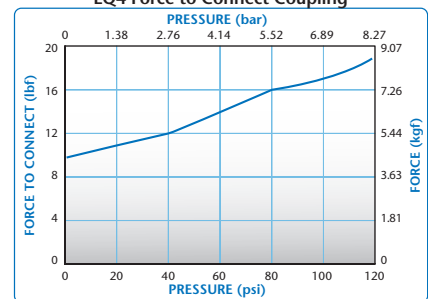
LQ4 Water Flow (0 – 20 GPM)



LQ4 Water Flow (0 – 2 GPM)



LQ4 Force to Connect Coupling



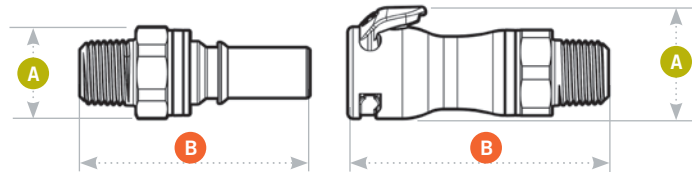
⚠ These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact CPC for flow of a particular coupling combination

Visit us at cpcworldwide.com or call 800-444-2747 to get a free catalog or to find your local distributor.






LQ4 SERIES DIMENSIONS

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.






A = Height/Diameter
B = Total Length



Coupling Bodies • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
 IN-LINE HOSE BARB	1/4" ID	6.4mm ID	LQ4D17004RED	0.98	2.50
	1/4" ID	6.4mm ID	LQ4D17004BLU	0.98	2.50
	3/8" ID	9.5mm ID	LQ4D17006RED	0.98	2.50
	3/8" ID	9.5mm ID	LQ4D17006BLU	0.98	2.50
 IN-LINE STRAIGHT THREAD PORT SAE	1/4 SAE-04		LQ4D30004RED	1.02	2.21
	1/4 SAE-04		LQ4D30004BLU	1.02	2.21
	3/8 SAE-06		LQ4D30006RED	1.02	2.24
	3/8 SAE-06		LQ4D30006BLU	1.02	2.24
 IN-LINE PIPE THREAD	1/4" NPT		LQ4D10004RED	1.02	2.35
	1/4" NPT		LQ4D10004BLU	1.02	2.35
	3/8" NPT		LQ4D10006RED	1.02	2.35
	3/8" NPT		LQ4D10006BLU	1.02	2.35
 IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D13006RED	1.02	2.50
	1/4" ID x 3/8" OD		LQ4D13006BLU	1.02	2.50
 IN-LINE THREAD G / BSPP	G1/4		LQ4D31004RED	1.00	2.29
	G1/4		LQ4D31004BLU	1.00	2.29
	G3/8		LQ4D31006RED	1.04	2.29
	G3/8		LQ4D31006BLU	1.04	2.29

Coupling Inserts • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
 IN-LINE HOSE BARB	1/4" ID	6.4mm ID	LQ4D22004RED	0.80	2.34
	1/4" ID	6.4mm ID	LQ4D20004BLU	0.80	2.34
	3/8" ID	9.5mm ID	LQ4D22006BLU	0.80	2.34
	3/8" ID	9.5mm ID	LQ4D22006RED	0.80	2.34
 IN-LINE STRAIGHT THREAD PORT SAE	1/4 SAE-04		LQ4D46004BLU	0.88	2.05
	1/4 SAE-04		LQ4D46004RED	0.88	2.05
	3/8 SAE-06		LQ4D46006BLU	0.75	1.65
	3/8 SAE-06		LQ4D46006RED	0.75	1.65
 IN-LINE PIPE THREAD	1/4" NPT		LQ4D24004RED	0.88	2.19
	1/4" NPT		LQ4D24004BLU	0.88	2.19
	3/8" NPT		LQ4D24006RED	0.88	2.19
	3/8" NPT		LQ4D24006BLU	0.88	2.19
 IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D20006RED	0.88	2.34
	1/4" ID x 3/8" OD		LQ4D20006BLU	0.88	2.34
 IN-LINE THREAD G / BSPP	G1/4		LQ4D47004RED	0.85	2.13
	G1/4		LQ4D47004RED	0.85	2.13
	G3/8		LQ4D47006RED	0.93	1.66
	G3/8		LQ4D47006RED	0.93	1.66



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Smart fluid handling to take you forward, faster.

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WARRANTY: All sales are subject to Colder Products Company's limited express warranty set forth in the CPC catalog. Contact your local distributor or CPC Customer Service for warranty provisions.

Warning: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

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