

LQ4 SERIES CONNECTOR



The LQ4 Series quick disconnects with 1/4" flow offer a relative high-flow capacity to optimize system performance while providing ultra-reliable, dripless connections and disconnections to protect valuable electronics. LQ4 fittings are designed for long-term use and feature patent pending valve technology that eliminates drips. EPDM and FKM seals are standard options for compatibility with glycol/water or dielectric coolants. For other material and termination options see your regional CPC sales representative.

FEATURES

- Non-spill design
- Redundant multi-lobed seals
- High flow capacity with low pressure drop
- EPDM or FKM seals
- Ergonomic body and latch design with audible click
- Color coding
- Low profile
- Swivel connection
- Barbed and threaded terminations

BENEFITS

- Disconnect under pressure with no spills
- Extra protection from leaks over an extended period of time
- Efficient, cost-effective cooling system
- Options support common coolants used in liquid cooling applications (i.e. glycol/water, mineral oil, synthetic oils, ElectroCool®)
- Simple, intuitive one-handed operation of latch. Audible click signals secure engagement
- Instant visual identification of cooling lines
- Meets size requirements for space-constrained electronics
- Allows user to orientate latch or tube to facilitate installation and maintenance
- Compatibility with various tubing options including reinforced tubing

Specifications ● ● ●

PRESSURE: Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

Operating: 0°F to 240°F (-17°C to 115°C)

Storage/Shipping: -40°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 (FKM optional)

Compliance: RoHS, REACH

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

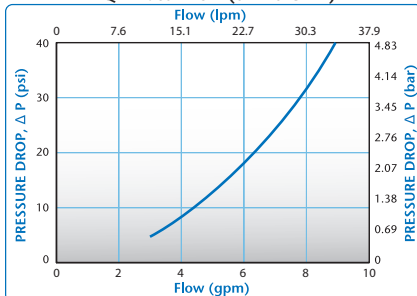
INCLUSION: 0.025 cc per connect

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.

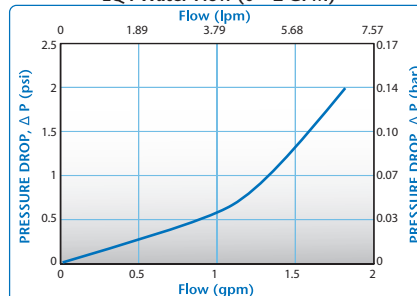
EPDM and FKM seals are options which help support glycol/water and dielectric coolant compatibility.

⚠ 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

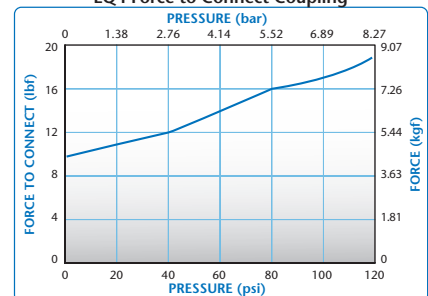
LQ4 Water Flow (0 – 20 GPM)



LQ4 Water Flow (0 – 2 GPM)



LQ4 Force to Connect Coupling

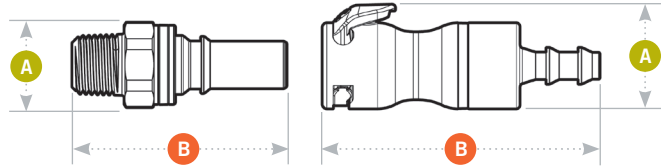


Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

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 LOCKING HOSE BARB	1/4" ID	6.4mm ID	LQ4D17004LBLU	0.98	2.60
	1/4" ID	6.4mm ID	LQ4D17004LRED	0.98	2.60
	3/8" ID	9.5mm ID	LQ4D17006LBLU	0.98	2.69
	3/8" ID	9.5mm ID	LQ4D17006LRED	0.98	2.69
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-4: 7/16-20 ¹		LQ4D30004RED	1.02	2.21
	1/4 SAE-4: 7/16-20 ¹		LQ4D30004BLU	1.02	2.21
	3/8 SAE-6: 9/16-18 ¹		LQ4D30006RED	1.02	2.24
	3/8 SAE-6: 9/16-18 ¹		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
			LQ4D31004BLU	1.00	2.29
	G3/8		LQ4D31006RED	1.04	2.29
			LQ4D31006BLU	1.04	2.29

Coupling Inserts • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE LOCKING HOSE BARB	1/4" ID	6.4mm ID	LQ4D22004LBLU	0.74	2.44
	1/4" ID	6.4mm ID	LQ4D22004LRED	0.74	2.44
	3/8" ID	9.5mm ID	LQ4D22006LBLU	0.74	2.53
	3/8" ID	9.5mm ID	LQ4D22006LRED	0.74	2.53
IN-LINE HOSE BARB	1/4" ID	6.4mm ID	LQ4D22004RED	0.80	2.34
	1/4" ID	6.4mm ID	LQ4D22004BLU	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-4: 7/16-20 ¹		LQ4D46004BLU	0.88	2.05
	1/4 SAE-4: 7/16-20 ¹		LQ4D46004RED	0.88	2.05
	3/8 SAE-6: 9/16-18 ¹		LQ4D46006BLU	0.75	1.65
	3/8 SAE-6: 9/16-18 ¹		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
			LQ4D47004BLU	0.85	2.13
	G3/8		LQ4D47006RED	0.93	1.66
			LQ4D47006BLU	0.93	1.66

Note: For FKM seal option, add V suffix to part number. Example: LQ4D30006BLUV
¹All SAE terminations are compatible with SAE J1926-1 ports.



We inspire confidence at every point of connection.

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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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