

# EVERIS™ LQ2 SERIES CONNECTOR

**Everis™ LQ2 Series quick disconnect couplings** with 1/8" flow are designed for liquid cooling applications. With a small form factor for tight spaces, Everis LQ2 connectors offer a high-flow capacity to optimize system performance. The couplings' patented design offers reliable long-term connections and provides drip-free connections and disconnections to protect sensitive equipment. EPDM, FVMQ and FKM seals are standard options for compatibility with water, glycol and dielectric coolants. For other material and termination options, see your regional CPC sales representative.



## SPECIFICATIONS

**PRESSURE:** Vacuum to 200 psi, 13.8 bar

### TEMPERATURE:

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

### Storage/Shipping:

-40°F to 240°F (-40°C to 115°C)

### MAXIMUM FLOW AT DISCONNECT:

1.00 gal/min at 0 – 100 psi

0.25 gal/min at 101 – 200 psi

### MATERIALS:

**Main Components:** Nickel-chrome plated brass

**Valves and Thumb latch:** Polysulfone

**Valve Springs (wetted):** Stainless steel

**External spring:** Stainless steel

**Seals:** EPDM standard (FKM, FVMQ options)

**Compliance:** RoHS, REACH

**COLOR:** Chrome with Cool Blue or Warm Red

**TUBING SIZES:** 1/4" ID (6.4mm ID)

**LUBRICANTS:** Krytox® PFPE

### SPILLAGE:

<0.015 cc per disconnect at 0 psi

<0.063 cc per disconnect rated at 200 psi

**AIR INCLUSION:** <0.04 cc per connect

**FLOW COEFFICIENT:** Cv ~0.4 (0.3 Kv)

\*FVMQ seal option extends operating temperature to -40°F (-40°C)

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.

## FEATURES

Non-spill valve

Redundant multi-lobed seals

High flow capacity with low pressure drop

EPDM, FKM or FVMQ seals

Ergonomic body and latch design

Audible click

Color coding

Low profile

Swivel connection

Single-piece options for insert

## BENEFITS

Disconnect under pressure with no spills

Extra protection from leak-causing contaminants and debris

Efficient, cost-effective cooling

Compatibility with common coolants (e.g. glycol/water, mineral oil) and application temperatures

Simple, intuitive one-handed operation

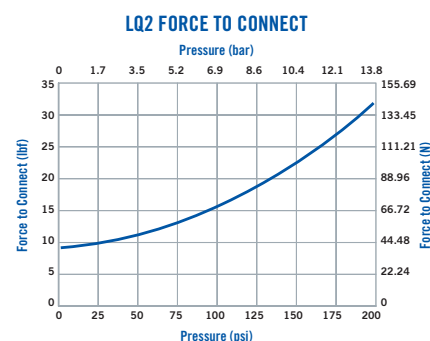
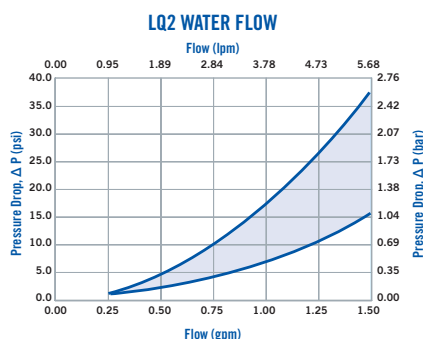
Connection assurance

Instant visual identification of cooling lines

Meets size requirements for space-constrained electronics

Allows user to orient latch or tube to facilitate installation and maintenance

Space saving



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.



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## COUPLING BODIES - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C	D
 <b>IN-LINE LOCKING HOSE BARB</b>	1/4" ID	6.4mm ID	LQ2D1704LRED		0.82 (20.9)	2.09 (53.1)	1.34 (34.0)	
			LQ2D1704LBLU		0.82 (20.9)	2.09 (53.1)	1.34 (34.0)	
 <b>IN-LINE STRAIGHT THREAD PORT SAE</b>	1/4 SAE-4: 7/16-20 <sup>1</sup>		LQ2D3004RED	9/16"	0.82 (20.9)	1.72 (43.6)	1.34 (34.0)	
			LQ2D3004BLU	9/16"	0.82 (20.9)	1.72 (43.6)	1.34 (34.0)	
 <b>ELBOW LOCKING HOSE BARB</b>	1/4" ID	6.4mm ID	LQ2D3304LRED		0.79 (20.1)	1.64 (41.5)	1.64 (41.5)	1.03 (26.2)
			LQ2D3304LBLU		0.79 (20.1)	1.64 (41.5)	1.64 (41.5)	1.03 (26.2)
 <b>IN-LINE THREAD G / BSPP</b>	G1/8 <sup>2</sup>		LQ2D3102RED	15mm	0.82 (20.9)	1.67 (42.5)	1.39 (35.3)	
			LQ2D3102BLU	15mm	0.82 (20.9)	1.67 (42.5)	1.39 (35.3)	

## COUPLING INSERTS - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C	D
 <b>IN-LINE LOCKING HOSE BARB</b>	1/4" ID	6.4mm ID	LQ2D2204LRED		0.56 (14.3)	1.96 (49.8)	0.44 (11.2)	
			LQ2D2204LBLU		0.56 (14.3)	1.96 (49.8)	0.44 (11.2)	
 <b>IN-LINE STRAIGHT THREAD SAE</b>	1/4 SAE-4: 7/16-20 <sup>1,3</sup>		LQ2D4604RED	9/16"	0.56 (14.3)	1.28 (32.4)	0.15 (3.8)	
			LQ2D4604BLU	9/16"	0.56 (14.3)	1.28 (32.4)	0.15 (3.8)	
 <b>ELBOW LOCKING HOSE BARB</b>	1/4" ID	6.4mm ID	LQ2D2304LRED		0.56 (14.3)	1.51 (38.2)	0.74 (18.7)	1.03 (26.2)
			LQ2D2304LBLU		0.56 (14.3)	1.51 (38.2)	0.74 (18.7)	1.03 (26.2)
 <b>IN-LINE STRAIGHT THREAD G / BSPP</b>	G1/8 <sup>2,3</sup>		LQ2D4702RED	15mm	0.59 (15.0)	1.20 (30.5)	0.15 (3.8)	
			LQ2D4702BLU	15mm	0.59 (15.0)	1.20 (30.5)	0.15 (3.8)	

All measurements are in inches (millimeters) unless otherwise noted.

For FKM seal option, add V suffix to part number. Example: LQ2D3004REDV

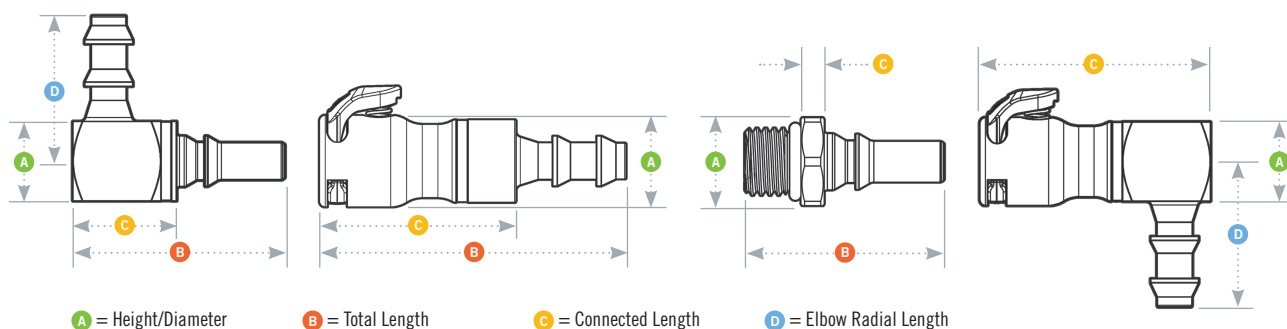
For FVMQ seal option, add FLS suffix to part number. Example: LQ2D3004REDFLS

<sup>1</sup>All SAE terminations are compatible with SAE J1926-1 ports.

<sup>2</sup>All G (BSPP) terminations are compatible with ISO 1179-1 ports.

<sup>3</sup>One-piece design

## PRODUCT DIMENSIONS



## DID YOU KNOW

“Spillage” can be easily misconstrued. Depending upon flow size, a typical QD will emit less than 0.02 cc of fluid, which often equates to a wetted surface on the face of the connector.

[cpcworldwide.com/Everis-LQ2](http://cpcworldwide.com/Everis-LQ2)

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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