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: 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: Metallic with Cool Blue or Warm Red

TUBING SIZES: 1/4" ID (6.4 mm 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

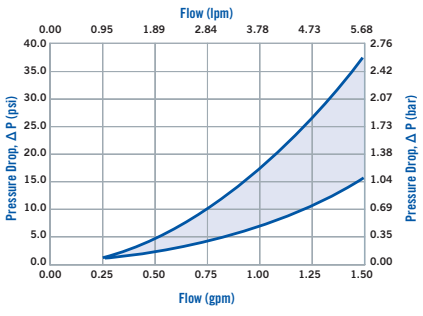
FLOW COEFFICIENT: Cv ~0.37 (0.3 Kv)

*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™ products in their own application conditions.

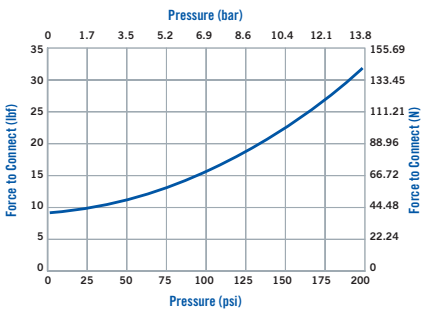
**The specified shipping and storage temperature range is specific to the CPC product and does not apply to external packaging or shipping materials.

FEATURES	BENEFITS
Non-spill valve	Disconnect under pressure with no spills
Redundant multi-lobed seals	Extra protection from leak-causing contaminants and debris
High flow capacity with low pressure drop	Increased system energy efficiency
EPDM, FKM or FVMQ seals	Compatibility with co mmon coolants (e.g. glycol/water, mineral oil) and application temperatures
Ergonomic body and latch design	Simple, intuitive one-handed operation
Audible click	Connection assurance
Color coding	Instant visual identification of cooling lines
Low profile	Meets size requirements for space-constrained electronics
Swivel connection	Allows user to orient latch or tube to facilitate installation and maintenance
Single-piece options for insert	Space saving

LQ2 WATER FLOW



LQ2 FORCE TO CONNECT



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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EVERIS® LQ2 SERIES DIMENSIONS

COUPLING BODIES - Plated brass



TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C	D
IN-LINE LOCKING HOSE BARB	1/4" ID	6.4 mm 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)	
IN-LINE STRAIGHT THREAD PORT SAE	1/4 SAE-4: 7/16-20[1]		LQ2D3004RED	9/16"	0.82 (20.9)	1.71 (43.6)	1.34 (34.0)	
			LQ2D3004BLU	9/16"	0.82 (20.9)	1.71 (43.6)	1.34 (34.0)	
ELBOW LOCKING HOSE BARB	1/4" ID	6.4 mm ID	LQ2D3304LRED		0.81 (20.5)		1.63 (41.5)	1.05 (26.6)
			LQ2D3304LBLU		0.81 (20.5)		1.63 (41.5)	1.05 (26.6)
IN-LINE THREAD G / BSPP	G1/8[2]		LQ2D3102RED	15 mm	0.85 (21.7)	1.66 (42.3)	1.38 (35.1)	
			LQ2D3102BLU	15 mm	0.85 (21.7)	1.66 (42.3)	1.38 (35.1)	

COUPLING INSERTS - Plated brass

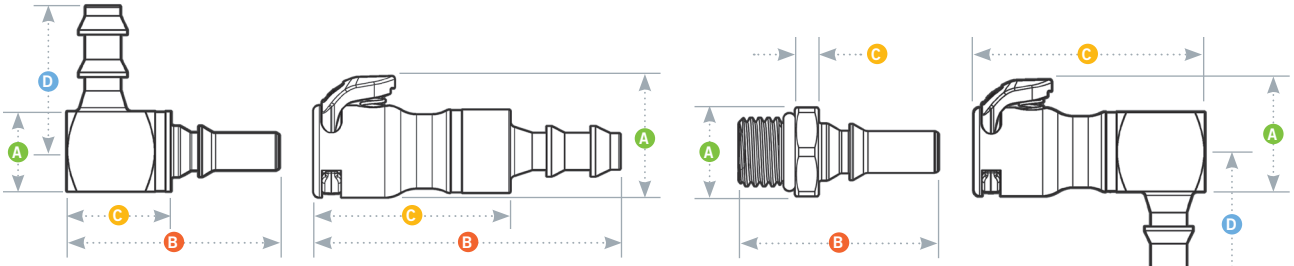


TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C	D
IN-LINE LOCKING HOSE BARB	1/4" ID	6.4 mm ID	LQ2D2204LRED		0.60 (15.2)	2.06 (52.4)	0.54 (13.8)	
			LQ2D2204LBLU		0.60 (15.2)	2.06 (52.4)	0.54 (13.8)	
IN-LINE STRAIGHT THREAD SAE	1/4 SAE-4: 7/16-20[1,3]		LQ2D4604RED	9/16"	0.56 (14.3)	1.28 (32.4)	0.15 (3.8)	
			LQ2D4604BLU	9/16"	0.56 (14.3)	1.28 (32.4)	0.15 (3.8)	
ELBOW LOCKING HOSE BARB	1/4" ID	6.4 mm ID	LQ2D2304LRED		0.60 (15.2)	1.61 (40.9)	0.84 (21.4)	1.05 (26.6)
			LQ2D2304LBLU		0.60 (15.2)	1.61 (40.9)	0.84 (21.4)	1.05 (26.6)
IN-LINE STRAIGHT THREAD G / BSPP	G1/8[2,3]		LQ2D4702RED	15 mm	0.59 (15.0)	1.20 (30.5)	0.15 (3.8)	
			LQ2D4702BLU	15 mm	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

[1]All SAE terminations are compatible with SAE J1926-1 ports.
[2]All G (BSPP) terminations are compatible with ISO 1179-1 ports.
[3]One-piece design

PRODUCT DIMENSIONS



SCAN

cpcworldwide.com/Everis-LQ2

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.

WARRANTY: All sales are subject to the Colder Products Company® 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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