EVERIS® LQ8
SERIES CONNECTOR



Everis® LQ8 Series quick disconnect couplings feature 1/2" flow for liquid cooling of electronics applications. Specifically designed for thermal management applications, Everis LQ8 connectors offer a high-flow capacity to optimize liquid cooling system performance. They provide ultra-reliable, dripless connections and disconnections for ease of use and peace of mind given proximity to sensitive or valuable equipment components. LQ8 quick disconnects (QDs) use a patented design which offers reliable long-term connections. EPDM seals are a standard for compatibility with glycol/water coolants. For other material and termination options contact CPC; sales representatives and applications engineers are available to assist with any questions you may have.

SPECIFICATIONS

PRESSURE: Vacuum to 120 psi, 8.3 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)

MATERIALS:
Main Components: Plated brass
Valves and thumb latch: Polyphenylsulfone (PPSU)
Valve Springs (wetted): Stainless steel
External spring: Stainless steel
Seals: EPDM
Compliance: RoHS, REACH

COLOR: Metallic with Black

TUBING SIZES: 5/8" ID (15.9 mm ID)

LUBRICANTS: Krytox® PFPE

FORCE TO CONNECT: 21 lbs. typical at 0 psi

SPILLAGE:
0.02 cc per disconnect rated at 0 psi
0.07 cc per disconnect rated at 60 psi

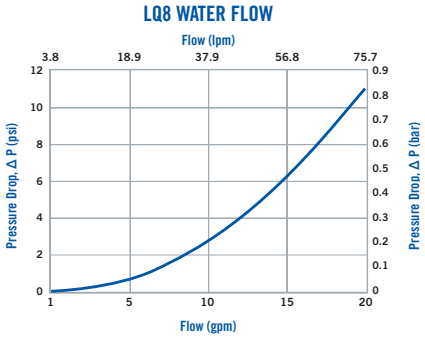
AIR INCLUSION: 0.60 cc per connect

FLOW COEFFICIENT: Cv ~ 6.0 (5.2 Kv)

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 seals	Compatibility with co mmon coolants (e.g., glycol/water)
Ergonomic body and latch design	Simple, intuitive, one-handed operation
Audible click	Connection assurance
Low profile	Meets size requirements for space-constrained electronics applications
Single-piece options for insert and body	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.

DID YOU KNOW

Not all elastomers are compatible with all fluids used in liquid cooling. And low temperature seals may be needed for frigid environments.

SCAN

cpcworldwide.com/Everis-LQ8

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EVERIS® LQ8 SERIES DIMENSIONS

COUPLING BODIES - Plated brass







TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
IN-LINE LOCKING HOSE BARB	5/8" ID	15.9 mm ID	LQ8D17010L		1.58 (40.1)	4.25 (108.0)	2.73 (69.3)
IN-LINE STRAIGHT THREAD SAE	3/4 SAE-12: 1-1/16-12[1,3]		LQ8D30012	1 - 1/4"	1.58 (40.1)	2.58 (65.6)	2.15 (54.6)
IN-LINE STRAIGHT THREAD G / BSPP	G 3/4[2]		LQ8D31012		1.58 (40.1)	3.30 (83.8)	2.80 (71.1)

COUPLING INSERTS - Plated brass



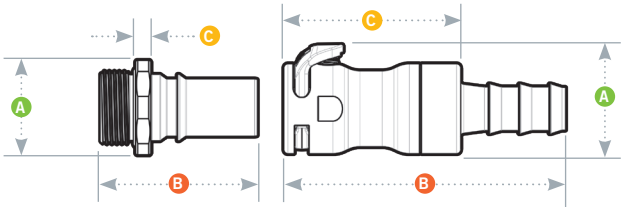




TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
IN-LINE LOCKING HOSE BARB	5/8" ID	15.9 mm ID	LQ8D22010L		1.30 (33.0)	4.00 (101.6)	0.80 (20.4)
IN-LINE STRAIGHT THREAD SAE	3/4 SAE-12: 1-1/16-12[1,3]		LQ8D46012	1 - 1/4"	1.30 (33.0)	2.40 (61.0)	0.22 (5.6)
IN-LINE STRAIGHT THREAD G / BSPP	G 3/4[2,3]		LQ8D47012	34 mm	1.40 (35.6)	2.40 (61.0)	0.22 (5.6)

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



A = Height/Diameter
B = Total Length
C = Connected Length



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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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