

# EVERIS™ LQ8 SERIES CONNECTOR



**Everis™ LQ8 Series** 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 patent pending valve technology that eliminates drips and are designed for long-term use. EPDM seals are a standard option for compatibility with glycol/water coolants. For other material and termination options contact CPC; CPC sales representatives and applications engineers are available to assist with any questions you may have.

## FEATURES

Non-spill design  
Redundant seals  
High flow capacity with low pressure drop  
EPDM seals  
Ergonomic body and latch design  
Low profile  
Barbed and threaded terminations

## BENEFITS

Disconnect under pressure  
Extra protection from leaks over an extended period of time  
Enables efficient and cost-effective cooling  
Compatibility with common coolants (e.g. glycol/water)  
Simple, intuitive one-handed operation and audible click that signals secure connection  
Meets size requirements for space-constrained electronics applications  
Accommodates various connection preferences including locking barb for clampless 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°F to 240°F (-40°C to 115°C)

### MATERIALS:

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

**Valves and thumb latch:** Polyphenylsulfone (PPSU)

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

**External spring:** Stainless steel

**Seals:** EPDM

**Compliance:** RoHS, REACH

**COLOR:** Chrome with black

### TUBING SIZES:

5/8" ID (15.9 mm ID)

**LUBRICANTS:** Krytox® PFPE

**FORCE TO CONNECT:** 21 lbs. typical

### SPILLAGE:

0.02 cc per disconnect rated at 0 psi

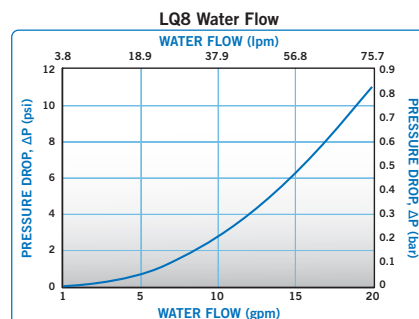
0.07 cc per disconnect rated at 60 psi

**AIR INCLUSION:** 0.5 cc per connect

**FLOW COEFFICIENT:** Cv ~ 6.0

**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.

⚠ This graph is intended to give you a general idea of the performance capabilities of the product line. Contact CPC for flow of a particular coupling combination

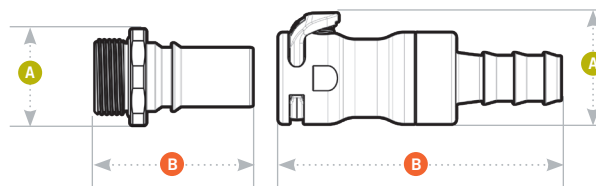


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All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

**A** = Height/Diameter  
**B** = Total Length



## Coupling Bodies • NICKEL-CHROME-PLATED BRASS



**TERMINATION**  
**IN-LINE LOCKING**  
**HOSE BARB**

**TUBING/THREAD SIZE**  
5/8" ID

**METRIC EQ.**  
15.9 mm ID

**PART NUMBER**  
LQ8D17010L

**A**  
1.58

**B**  
4.09

**IN-LINE STRAIGHT**  
**THREAD SAE**

3/4 SAE-12: 1-1/16-12<sup>1</sup>

N/A

LQ8D30012

1.58

2.49

**IN-LINE STRAIGHT**  
**THREAD G / BSPP**

G 3/4 (BSPP)<sup>2</sup>

N/A

LQ8D31012

1.63

3.14

## Coupling Inserts • NICKEL-CHROME-PLATED BRASS



**TERMINATION**  
**IN-LINE LOCKING**  
**HOSE BARB**

**TUBING/THREAD SIZE**  
5/8" ID

**METRIC EQ.**  
15.9 mm ID

**PART NUMBER**  
LQ8D22010L

**A**  
1.30

**B**  
3.83

**IN-LINE STRAIGHT**  
**THREAD SAE**

3/4 SAE-12: 1-1/16-12<sup>1</sup>

N/A

LQ8D46012

1.25

2.23

**IN-LINE STRAIGHT**  
**THREAD G / BSPP**

G 3/4 (BSPP)<sup>2</sup>

N/A

LQ8D47012

1.34

2.23

**Note:** <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.



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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