# **EVERIS**<sup>™</sup> **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:** 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 at 0 psi

### SPILLAGE:

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

AIR INCLUSION: 0.50 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's products in their own application conditions.

### **FEATURES**

Non-spill valve ————

Redundant, multi-lobed seals -

High flow capacity with low - pressure drop

EPDM seals —

Ergonomic body and latch design —

Audible click —

Low profile

Single-piece options for insert and body —

### BENEFITS

Disconnect under pressure with no spills

> Extra protection from leak-causing contaminants

Compatibility with common coolants (e.g., glycol/water)

and debris

Efficient, cost-effective cooling

Simple, intuitive, one-handed operation

> Connection assurance

Meets size requirements for space-constrained

electronics applications

Space saving

# LQ8 WATER FLOW Flow (lpm) 3.8 18.9 37.9 56.8 75.7 0.9 0.6 0.7 0.6 0.7 0.7 0.9 0.8 0.7 0.7 0.9 0.8 0.7 0.1 0.1 0.1

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.



cpcworldwide.com/Everis-LQ8



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# **EVERIS™ LQ8 SERIES DIMENSIONS**

## **COUPLING BODIES - Nickel-chrome plated brass**



### COUPLING INSERTS - Nickel-chrome plated brass



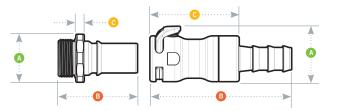
All measurements are in inches (millimeters) unless otherwise noted.

All SAE terminations are compatible with SAE J1926-1 ports.

All G (BSPP) terminations are compatible with ISO 1179-1 ports.

3 One-piece design

### PRODUCT DIMENSIONS



A = Height/DiameterB = Total Length

Connected Length

# Why Chemical Compatibility is Critical

Download tech guide to learn about component material compatibility and liquid cooling system performance.



READ TECH GUIDE





cpcworldwide.com/LC-Chem-Comp-Guide

VARRANTY: 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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