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**SPECS &
INFORMATION**

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

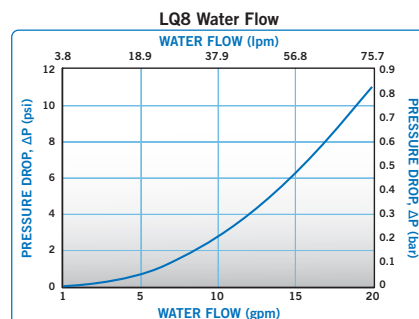
0.07 cc per disconnect rated at 60 psi

AIR INCLUSION: 0.5 cc per connect

FLOW COEFFICIENT: $C_v \sim 6.0$

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.

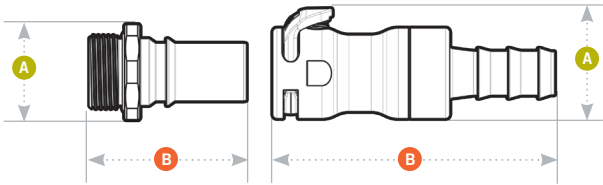
⚠ This graph is intended to give you a general idea of the performance capabilities of the product line. Contact CPC for flow of a particular coupling combination



EVERIST™ LQ8 SERIES CONNECTOR

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: 1-1/16-12¹

N/A

LQ8D30012

1.58

2.49

IN-LINE STRAIGHT
THREAD G / BSPP

G 3/4 (BSPP)²

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: 1-1/16-12¹

N/A

LQ8D46012

1.25

2.23

IN-LINE STRAIGHT
THREAD G / BSPP

G 3/4 (BSPP)²

N/A

LQ8D47012

1.34

2.23

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

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



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