

LQ2 SERIES CONNECTOR



The LQ2 Series with 1/8" flow is designed for liquid cooling applications. With a small form factor for tight spaces, LQ2 connectors offer a high-flow capacity to optimize system performance while providing ultra-reliable, dripless connections and disconnections to protect valuable electronics. Patent pending valve technology eliminates drips and are designed for long-term use. EPDM and FKM seals are standard options for compatibility with glycol/water and dielectric coolants. For other material and termination options see your regional CPC sales representative.

FEATURES

Non-spill design

Redundant multi-lobed seals

High flow capacity with low pressure drop

EPDM or FKM seals

Ergonomic body and latch design with audible click

Color coding

Low profile

Swivel connection

Barbed and threaded terminations

BENEFITS

Disconnect under pressure with no spills

Extra protection from leaks over an extended period of time

Efficient, cost-effective cooling system

Options support common coolants used in liquid cooling applications (i.e. glycol/water, mineral oil, synthetic oils, ElectroCool®)

Simple, intuitive one-handed operation of latch. Audible click signals secure engagement

Instant visual identification of cooling lines

Meets size requirements for space-constrained electronics

Allows user to orientate latch or tube to facilitate installation and maintenance

Compatibility with various tubing options including reinforced tubing

Specifications

PRESSURE: Vacuum to 200 psi, 13.8 bar

TEMPERATURE:

Operating: 0°F to 240°F (-17°C to 115°C)

Storage/Shipping: -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: Chrome-plated brass

Valves and Thumb latch: Polysulfone

Valve Springs (wetted): Stainless steel

External springs and pin: Stainless steel

Seals: EPDM (FKM optional)

Compliance: RoHS, REACH

COLOR: Chrome with Cool Blue or Warm Red

TUBING SIZES: 1/4" ID (6.4mm ID)

LUBRICANTS: Krytox® PFPE

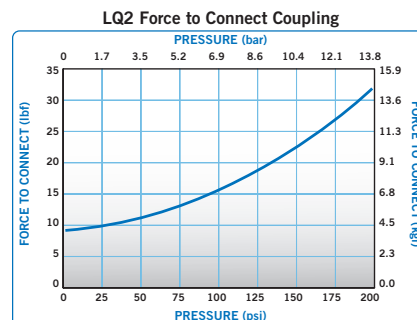
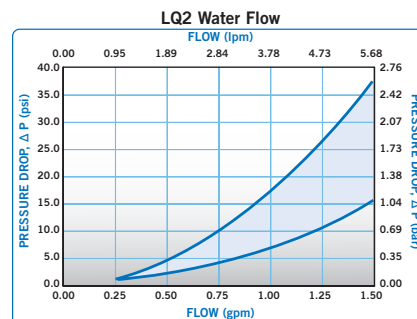
SPILLAGE:

<0.015 cc per disconnect at 0 psi

<0.063 cc per disconnect rated at 200 psi

INCLUSION: <0.063 cc per connect

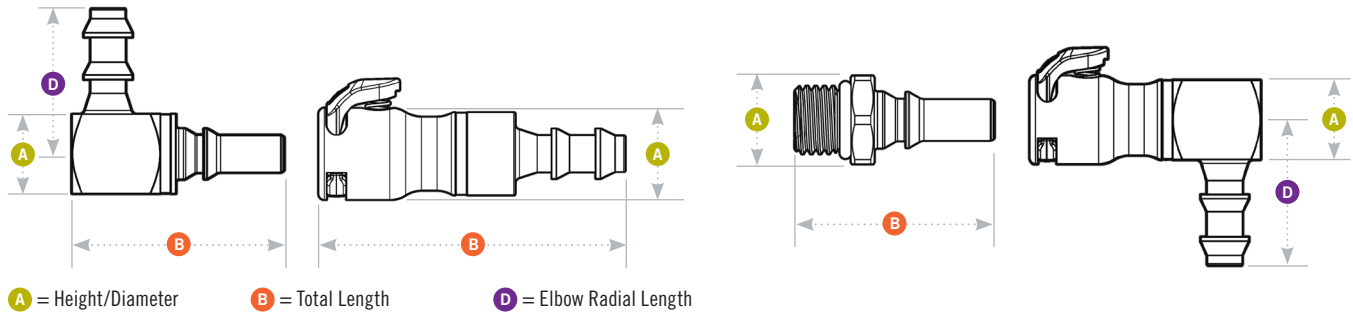
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.



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

Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

LQ2 SERIES DIMENSIONS



Coupling Bodies • CHROME-PLATED BRASS



TERMINATION
IN-LINE LOCKING
HOSE BARB

TUBING/THREAD SIZE 1/4" ID
METRIC EQ. 6.4mm ID

SHUTOFF
LQ2D1704LRED
LQ2D1704LBLU

A 0.82

B 2.09

D

IN-LINE
STRAIGHT THREAD
PORT SAE

1/4 SAE-4:7/16-20¹

LQ2D3004RED
LQ2D3004BLU

0.82

1.72

ELBOW LOCKING
HOSE BARB

1/4" ID 6.4mm ID

LQ2D3304LRED
LQ2D3304LBLU

1.54

1.64

1.03

IN-LINE THREAD
G / BSPP

G1/8

LQ2D3102RED
LQ2D3102BLU

0.82

1.67

1.67

Coupling Inserts • CHROME-PLATED BRASS



TERMINATION
IN-LINE LOCKING
HOSE BARB

TUBING/THREAD SIZE 1/4" ID
METRIC EQ. 6.4mm ID

SHUTOFF
LQ2D2204LRED
LQ2D2204LBLU

A 0.562

B 1.96

D

IN-LINE
STRAIGHT THREAD
PORT SAE

1/4 SAE-4:7/16-20¹

LQ2D4604RED
LQ2D4604BLU

0.625

1.28

ELBOW LOCKING
HOSE BARB

1/4" ID 6.4mm ID

LQ2D2304LRED
LQ2D2304LBLU

1.313

1.51

1.03

IN-LINE THREAD
G / BSPP

G1/8

LQ2D4702RED
LQ2D4702BLU

0.59

1.2

1.2

Note: For FKM seal option, add V suffix to part number. Example: LQ2D3004REDV

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

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We inspire confidence at every point of connection.

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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