

LQ6 SERIES CONNECTOR



The **LQ6 Series** fittings feature 3/8" flow for liquid cooling of electronics applications. LQ6 offers a high-flow capacity to optimize liquid cooling system performance. They provide ultra-reliable, dripless connections and disconnections to protect valuable equipment. LQ6 fittings use patent pending valve technology that eliminates drips and are designed for long-term use. FKM and EPDM seals are standard options for compatibility with dielectric or glycol/water 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 120 psi, 8.3 bar

TEMPERATURE:

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

Storage/Shipping: -40°C to 115°C

MATERIALS:

Main Components: Chrome-plated brass

Valves and thumb latch: Polysulfone

Valve Springs (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM (FKM optional)

Compliance: RoHS, REACH

COLOR: Chrome with Cool Blue or Warm Red

TUBING SIZES:

3/8" to 1/2" ID, 9.5mm to 12.7mm ID

LUBRICANTS: Krytox® PFPE

SPILLAGE:

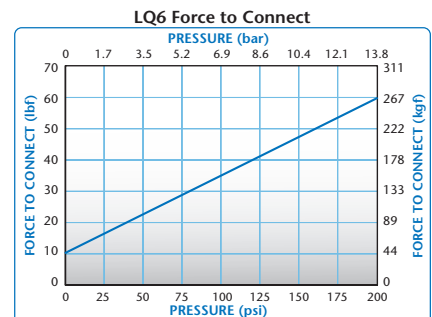
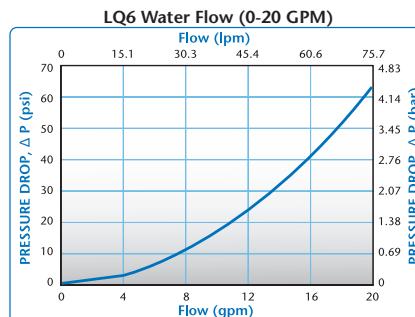
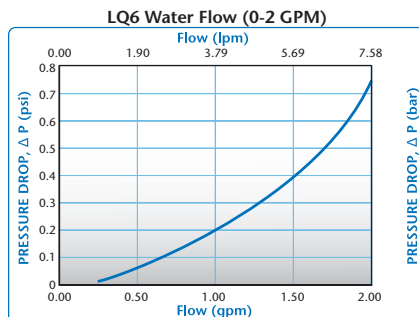
0.03 cc per disconnect rated at 0 psi

0.03 cc per disconnect rated at 120 psi

INCLUSION: 0.22 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

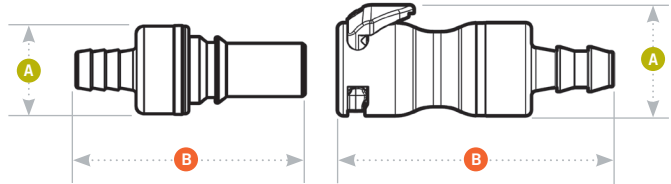


Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

LQ6 SERIES DIMENSIONS

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 • CHROME-PLATED BRASS



TERMINATION
IN-LINE LOCKING
HOSE BARB



IN-LINE
HOSE BARB



IN-LINE
STRAIGHT THREAD
PORT SAE



IN-LINE
PIPE THREAD



IN-LINE
PTF



IN-LINE THREAD
G / BSPP

TUBING/THREAD SIZE

3/8" ID	9.5mm ID
3/8" ID	9.5mm ID
1/2" ID	12.7mm ID
1/2" ID	12.7mm ID

METRIC EQ.

9.5mm ID
9.5mm ID
12.7mm ID
12.7mm ID

SHUTOFF

LQ6D17006LBLU
LQ6D17006LRED
LQ6D17008LBLU
LQ6D17008LRED

A

1.19
1.19
1.19
1.19

B

2.96
2.96
3.08
3.08

3/8" ID	9.5mm ID
3/8" ID	9.5mm ID
1/2" ID	12.7mm ID
1/2" ID	12.7mm ID

LQ6D17006RED
LQ6D17006BLU
LQ6D17008RED
LQ6D17008BLU

1.19
1.19
1.19
1.19

2.73
2.73
2.73
2.73

3/8 SAE-6: 9/16-18 ¹
1/2 SAE-8: 3/4-16 ¹
1/2 SAE-8: 3/4-16 ¹
1/2 SAE-8: 3/4-16 ¹

LQ6D30006RED
LQ6D30006BLU
LQ6D30008RED
LQ6D30008BLU

1.19
1.19
1.19
1.19

2.47
2.47
2.52
2.52

3/8" NPT
3/8" NPT

LQ6D10006RED
LQ6D10006BLU

1.19
1.19

2.58
2.58

3/8" ID x 1/2" OD
3/8" ID x 1/2" OD

LQ6D13006RED
LQ6D13006BLU

1.19
1.19

2.91
2.91

G3/8
G1/2

LQ6D31006BLU
LQ6D31006RED
LQ6D31008BLU
LQ6D31008RED

1.25
1.25
1.25
1.25

2.59
2.59
2.65
2.65

Coupling Inserts • CHROME-PLATED BRASS



TERMINATION
IN-LINE LOCKING
HOSE BARB



IN-LINE
HOSE BARB



IN-LINE
STRAIGHT THREAD
PORT SAE



IN-LINE
PIPE THREAD



IN-LINE
PTF



IN-LINE THREAD
G / BSPP

TUBING/THREAD SIZE

3/8" ID	9.5mm ID
3/8" ID	9.5mm ID
1/2" ID	12.7mm ID
1/2" ID	12.7mm ID

METRIC EQ.

9.5mm ID
9.5mm ID
12.7mm ID
12.7mm ID

SHUTOFF

LQ6D22006LBLU
LQ6D22006LRED
LQ6D22008LBLU
LQ6D22008LRED

A

0.93
0.93
0.93
0.93

B

2.79
2.79
2.91
2.91

3/8" ID	9.5mm ID
3/8" ID	9.5mm ID
1/2" ID	12.7mm ID
1/2" ID	12.7mm ID

LQ6D22006RED
LQ6D22006BLU
LQ6D22008RED
LQ6D22008BLU

0.93
0.93
0.93
0.93

2.56
2.56
2.56
2.56

3/8 SAE-6: 9/16-18 ¹
1/2 SAE-8: 3/4-16 ¹
1/2 SAE-8: 3/4-16 ¹
1/2 SAE-8: 3/4-16 ¹

LQ6D46006RED
LQ6D46006BLU
LQ6D46008RED
LQ6D46008BLU

1.025
1.025
1.025
1.025

2.30
2.30
1.95
1.95

3/8" NPT
3/8" NPT

LQ6D24006RED
LQ6D24006BLU

1.025
1.025

2.41
2.41

3/8" ID x 1/2" OD
3/8" ID x 1/2" OD

LQ6D20008RED
LQ6D20008BLU

1.025
1.025

2.74
2.74

G3/8
G3/8

9.5mm ID
12.7mm ID

LQ6D47006RED
LQ6D47006BLU
LQ6D47008RED
LQ6D47008BLU

1.12
1.12
1.12
1.12

2.42
2.42
2.04
2.04

Note: For FKM seal option, add V suffix to part number. Example: LQ6D17006BLUV
¹All SAE terminations are compatible with SAE J1926-1 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.

Krytox® is a registered trademark of The Chemours Company. ElectroCool® is a registered trademark of Engineered Fluids.

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