

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:

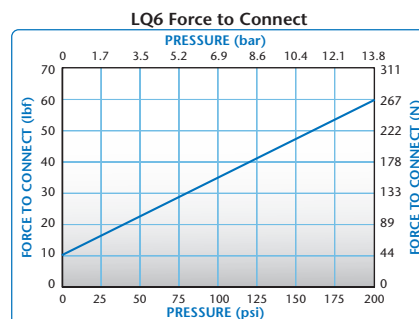
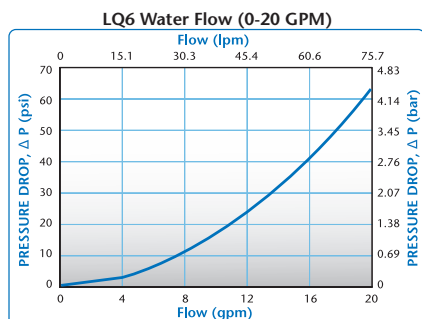
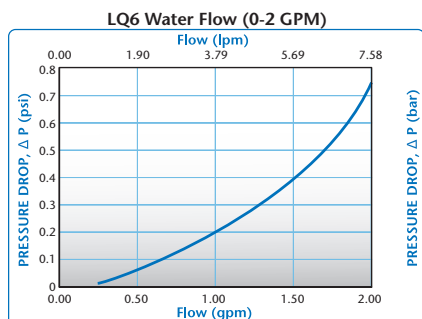
0.03 cc per disconnect rated at 0 psi

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

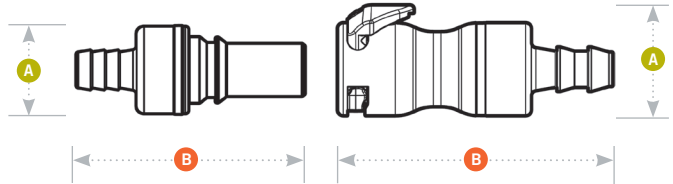


Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.







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	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
	3/8" ID	9.5mm ID	LQ6D17006LBLU	1.19	2.96
	3/8" ID	9.5mm ID	LQ6D17006LRED	1.19	2.96
	1/2" ID	12.7mm ID	LQ6D17008LBLU	1.19	3.08
	1/2" ID	12.7mm ID	LQ6D17008LRED	1.19	3.08
	3/8" ID	9.5mm ID	LQ6D17006RED	1.19	2.73
	3/8" ID	9.5mm ID	LQ6D17006BLU	1.19	2.73
	1/2" ID	12.7mm ID	LQ6D17008RED	1.19	2.73
	1/2" ID	12.7mm ID	LQ6D17008BLU	1.19	2.73
	3/8 SAE-6: 9/16-18 ¹		LQ6D30006RED	1.19	2.47
	3/8 SAE-6: 9/16-18 ¹		LQ6D30006BLU	1.19	2.47
	1/2 SAE-8: 3/4-16 ¹		LQ6D30008RED	1.19	2.52
	1/2 SAE-8: 3/4-16 ¹		LQ6D30008BLU	1.19	2.52
	3/8" NPT		LQ6D10006RED	1.19	2.58
	3/8" NPT		LQ6D10006BLU	1.19	2.58
	3/8" ID x 1/2" OD		LQ6D13006RED	1.19	2.91
	3/8" ID x 1/2" OD		LQ6D13006BLU	1.19	2.91
	G3/8		LQ6D31006BLU	1.25	2.59
	G3/8		LQ6D31006RED	1.25	2.59
	G1/2		LQ6D31008BLU	1.25	2.65
	G1/2		LQ6D31008RED	1.25	2.65

Coupling Inserts • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
	3/8" ID	9.5mm ID	LQ6D22006LBLU	0.93	2.79
	3/8" ID	9.5mm ID	LQ6D22006LRED	0.93	2.79
	1/2" ID	12.7mm ID	LQ6D22008LBLU	0.93	2.91
	1/2" ID	12.7mm ID	LQ6D22008LRED	0.93	2.91
	3/8" ID	9.5mm ID	LQ6D22006RED	0.93	2.56
	3/8" ID	9.5mm ID	LQ6D22006BLU	0.93	2.56
	1/2" ID	12.7mm ID	LQ6D22008RED	0.93	2.56
	1/2" ID	12.7mm ID	LQ6D22008BLU	0.93	2.56
	3/8 SAE-6: 9/16-18 ¹		LQ6D46006RED	1.025	2.30
	3/8 SAE-6: 9/16-18 ¹		LQ6D46006BLU	1.025	2.30
	1/2 SAE-8: 3/4-16 ¹		LQ6D46008RED	1.025	1.95
	1/2 SAE-8: 3/4-16 ¹		LQ6D46008BLU	1.025	1.95
	3/8" NPT		LQ6D24006RED	1.025	2.41
	3/8" NPT		LQ6D24006BLU	1.025	2.41
	3/8" ID x 1/2" OD		LQ6D20008RED	1.025	2.74
	3/8" ID x 1/2" OD		LQ6D20008BLU	1.025	2.74
	G3/8		LQ6D47006RED	1.12	2.42
	G3/8		LQ6D47006BLU	1.12	2.42
	G1/2		LQ6D47008RED	1.12	2.04
	G1/2		LQ6D47008BLU	1.12	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.

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