

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

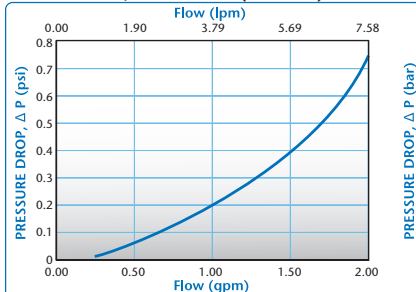
0.03 cc per disconnect rated at 120 psi

INCLUSION: 0.22 cc per connect

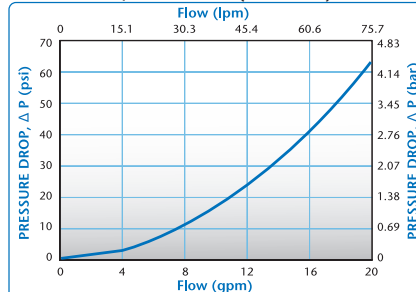
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

⚠ 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

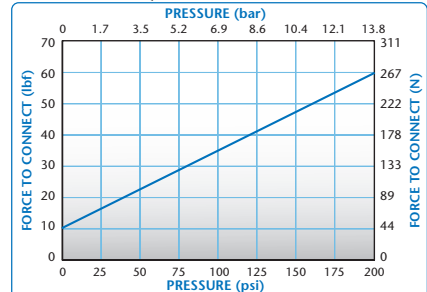
LQ6 Water Flow (0-2 GPM)



LQ6 Water Flow (0-20 GPM)



LQ6 Force to Connect

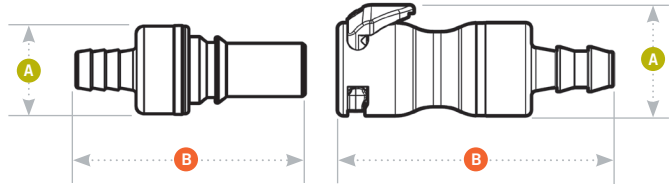


Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

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

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE LOCKING HOSE BARB	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
IN-LINE HOSE BARB	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
IN-LINE STRAIGHT THREAD PORT SAE	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
IN-LINE PIPE THREAD	3/8" NPT		LQ6D10006RED	1.19	2.58
	3/8" NPT		LQ6D10006BLU	1.19	2.58
IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D13006RED	1.19	2.91
	3/8" ID x 1/2" OD		LQ6D13006BLU	1.19	2.91
IN-LINE THREAD G / BSPP	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
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

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE LOCKING HOSE BARB	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
IN-LINE HOSE BARB	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
IN-LINE STRAIGHT THREAD PORT SAE	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
IN-LINE PIPE THREAD	3/8" NPT		LQ6D24006RED	1.025	2.41
	3/8" NPT		LQ6D24006BLU	1.025	2.41
IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D20008RED	1.025	2.74
	3/8" ID x 1/2" OD		LQ6D20008BLU	1.025	2.74
IN-LINE THREAD G / BSPP	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.

COLDER PRODUCTS COMPANY U.S.A.
PHONE +1 651-645-0091
FAX +1 651-645-5404
TOLL FREE 800-444-2474

COLDER PRODUCTS COMPANY GMBH Germany
PHONE +49-6026-9973-0
FAX +49-6026-9973-173

COLDER PRODUCTS COMPANY LTD Hong Kong S.A.R. of China
PHONE +852-2987-5272
FAX +852-2987-2509

cpcworldwide.com/ContactUs

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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