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	BENEFITS
Non-spill design	Disconnect under pressure with no spills
Redundant multi-lobed seals	Extra protection from leaks over an extended period of time
High flow capacity with low pressure drop	Efficient, cost-effective cooling system
EPDM or FKM seals	Options support common coolants used in liquid cooling applications (i.e. glycol/water, mineral oil, synthetic oils, ElectroCool®)
Ergonomic body and latch design with audible click	Simple, intuitive one-handed operation of latch. Audible click signals secure engagement
Color coding	Instant visual identification of cooling lines
Low profile	Meets size requirements for space-constrained electronics
Swivel connection	Allows user to orientate latch or tube to facilitate installation and maintenance
Barbed and threaded terminations	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

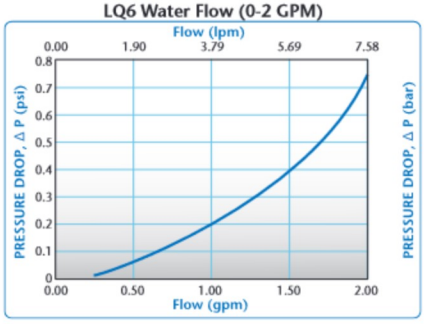
SPILLAGE:
0.03 cc per disconnect rated at 0 psi
0.03 cc per disconnect rated at 120 psi

INCLUSION: 0.22 cc per connect

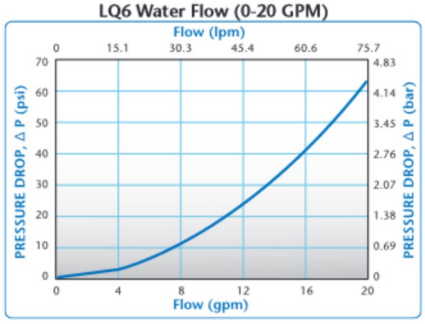
***WARNING**: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.*

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

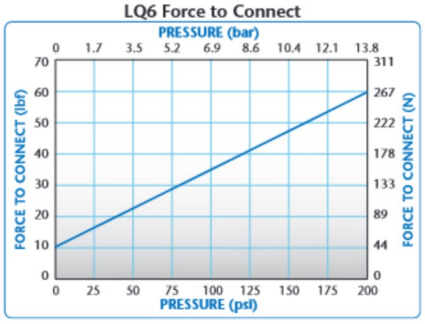
LQ6 Water Flow (0-2 GPM)



LQ6 Water Flow (0-20 GPM)



LQ6 Force to Connect

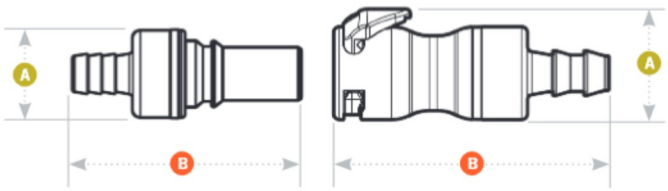


Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

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	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	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, ad V suffix to part number. Example: LQ6D17006BLU**V***

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

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