

LQ6 SERIES CONNECTOR



LQ6 Series couplings closed-system design provides ultra-reliable, dripless connections and disconnections. The first of their kind, the couplings uses patent-pending valve technology specifically designed for liquid cooling applications.

FEATURES

- Non-spill design
- Redundant sealing when connected
- Color-coding
- No seal friction in disconnect even after connected state
- Enhanced latch design
- Lower ergonomic profile

BENEFITS

- Disconnect under pressure with no spills
- Extra protection from leaks
- Instant visual difference in cooling lines
- Ultra-reliable protection from drips at long periods in connected state
- Easy to see orientation on manifolds and tubing
- Meet size requirements for space-constrained electronics

Specifications ● ● ●

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

0°F to 240°F (-17°C to 115°C)

MAXIMUM FLOW AT DISCONNECT:

4.0 gal/min, 15.1 L/min

MATERIALS:

Main housing components:

Chrome-plated brass

Valves and thumb latch: Polysulfone

Valve spring (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM

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

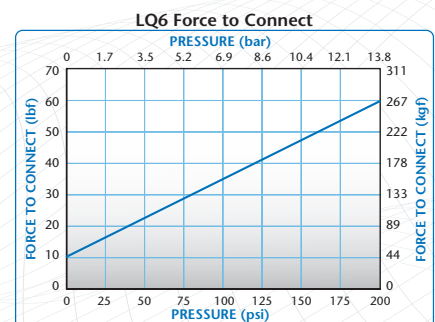
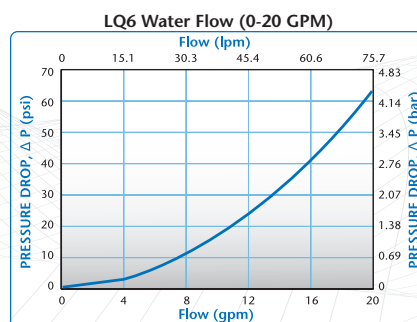
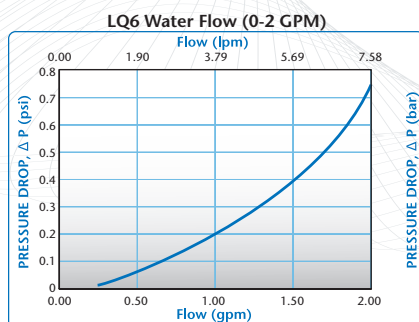
SPILLAGE:

0.03 cc per disconnect rated at 0 psi

0.03 cc per disconnect rated at 120 psi

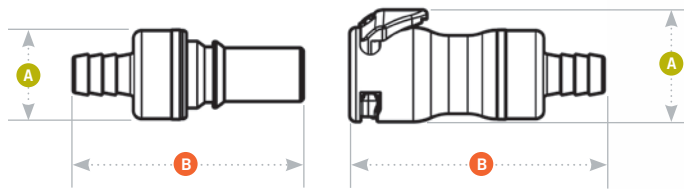
INCLUSION: 0.02 cc per connect

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 DIMENSIONS







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	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		LQ6D30006RED	1.19	2.47
	3/8 SAE-6		LQ6D30006BLU	1.19	2.47
	1/2 SAE-8		LQ6D30008RED	1.19	2.52
	1/2 SAE-8		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		LQ6D13008RED	1.19	2.91
	3/8" ID x 1/2" OD		LQ6D13008BLU	1.19	2.91

Coupling Inserts • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
	3/8" ID	9.5mm ID	LQ6D22006RED	.93	2.56
	3/8" ID	9.5mm ID	LQ6D22006BLU	.93	2.56
	1/2" ID	12.7mm ID	LQ6D22008RED	.93	2.56
	1/2" ID	12.7mm ID	LQ6D22008BLU	.93	2.56
	3/8 SAE-6		LQ6D46006RED	1.025	2.30
	3/8 SAE-6		LQ6D46006BLU	1.025	2.30
	1/2 SAE-8		LQ6D46008RED	1.025	1.95
	1/2 SAE-8		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

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.



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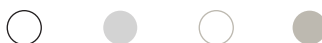
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