

LQ6 SERIES CONNECTOR



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

FEATURES

- Non-spill design
- Redundant sealing when connected
- Color-coding
- Friction-free valve
- Ruggedness
- Rotation allows movement

BENEFITS

- Disconnect under pressure with no spills
- Extra protection from leaks
- Instant visual difference in cooling lines
- Valving system designed for extended periods in connected state
- Able to withstand long-term, repeated use
- Eliminates tube kinking

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:

0.05 cc per disconnect rated at 0 psi

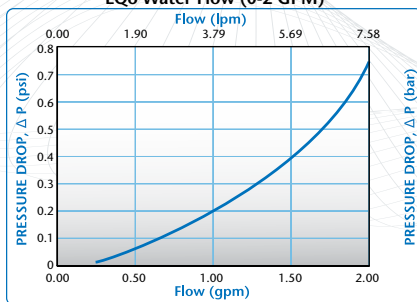
0.125 cc per disconnect rated at 120 psi

INCLUSION: 0.42 cc per connect

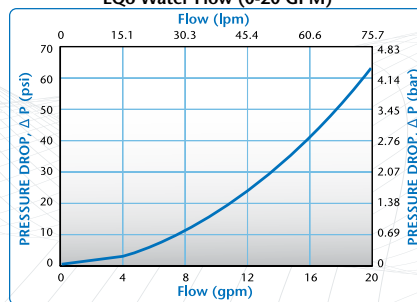
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

⚠ 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.

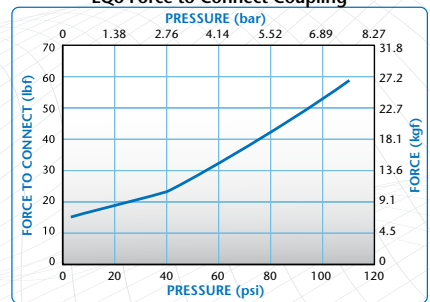
LQ6 Water Flow (0-2 GPM)



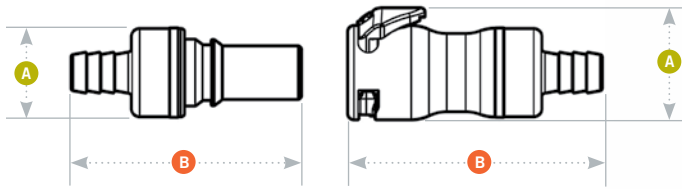
LQ6 Water Flow (0-20 GPM)



LQ6 Force to Connect Coupling



LQ6 DIMENSIONS



A = Height/Diameter
B = Total Length

Coupling Bodies • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE HOSE BARB	3/8" ID	9.5mm ID	LQ6D17006RED	1.185	2.73
	3/8" ID	9.5mm ID	LQ6D17006BLU	1.185	2.73
	1/2" ID	12.7mm ID	LQ6D17008RED	1.185	2.73
	1/2" ID	12.7mm ID	LQ6D17008BLU	1.185	2.73
IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6		LQ6D30006RED	1.185	2.48
	3/8 SAE-6		LQ6D30006BLU	1.185	2.48
	1/2 SAE-8		LQ6D30008RED	1.185	2.50
	1/2 SAE-8		LQ6D30008BLU	1.185	2.50
IN-LINE PIPE THREAD	3/8" NPT		LQ6D10006RED	1.185	2.56
	3/8" NPT		LQ6D10006BLU	1.185	2.56
IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D13008RED	1.185	2.50
	3/8" ID x 1/2" OD		LQ6D13008BLU	1.185	2.50

Coupling Inserts • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE HOSE BARB	3/8" ID	9.5mm ID	LQ6D22006RED	.93	2.47
	3/8" ID	9.5mm ID	LQ6D22006BLU	.93	2.47
	1/2" ID	12.7mm ID	LQ6D22008RED	.93	2.47
	1/2" ID	12.7mm ID	LQ6D22008BLU	.93	2.47
IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6		LQ6D46006RED	1.025	2.22
	3/8 SAE-6		LQ6D46006BLU	1.025	2.22
	1/2 SAE-8		LQ6D46008RED	1.025	2.24
	1/2 SAE-8		LQ6D46008BLU	1.025	2.24
IN-LINE PIPE THREAD	3/8" NPT		LQ6D24006RED	1.025	2.30
	3/8" NPT		LQ6D24006BLU	1.025	2.30
IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D20008RED	1.025	2.52
	3/8" ID x 1/2" OD		LQ6D20008BLU	1.025	2.52

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