

# 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

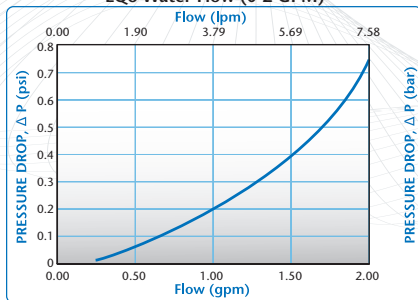
0.125 cc per disconnect rated at 120 psi

### INCLUSION: 0.42 cc per connect

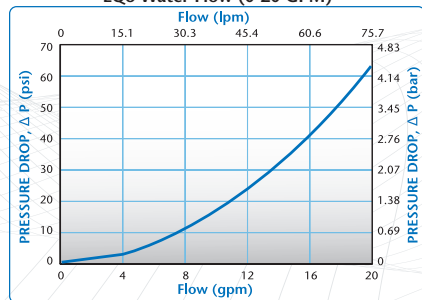
**WARNING:** Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

⚠ 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.

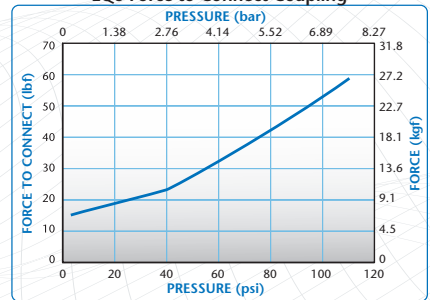
LQ6 Water Flow (0-2 GPM)



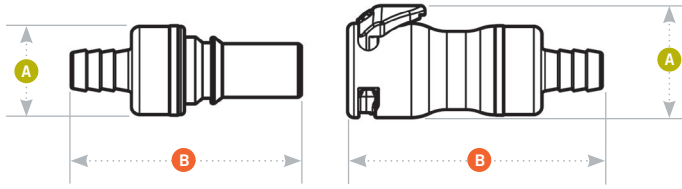
LQ6 Water Flow (0-20 GPM)



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
<b>IN-LINE HOSE BARB</b>	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
<b>IN-LINE STRAIGHT THREAD PORT SAE</b>	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
<b>IN-LINE PIPE THREAD</b>	3/8" NPT		LQ6D10006RED	1.185	2.56
	3/8" NPT		LQ6D10006BLU	1.185	2.56
<b>IN-LINE PTF</b>	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
<b>IN-LINE HOSE BARB</b>	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
<b>IN-LINE STRAIGHT THREAD PORT SAE</b>	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
<b>IN-LINE PIPE THREAD</b>	3/8" NPT		LQ6D24006RED	1.025	2.30
	3/8" NPT		LQ6D24006BLU	1.025	2.30
<b>IN-LINE PTF</b>	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.