

LQ4 SERIES CONNECTOR



Specifications ● ● ●

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

0°F to 240°F (-17°C to 115°C)

MAXIMUM FLOW AT DISCONNECT:

3.0 gal/min, 11.3L/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:

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

LUBRICANTS: Krytox® PFPE

SPILLAGE:

0.025 cc per disconnect rated at 0 psi

0.055 cc per disconnect rated at 120 psi

INCLUSION: 0.025 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.

LQ4 Series quick disconnect couplings provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for liquid cooling applications, LQ4 utilizes patent-pending valve technology that eliminates drips and is able to withstand long-term use.

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

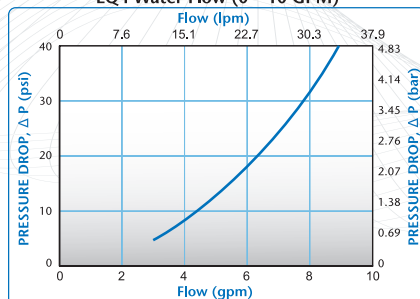
Instant visual difference in cooling lines

Valving system designed for extended periods in connected state

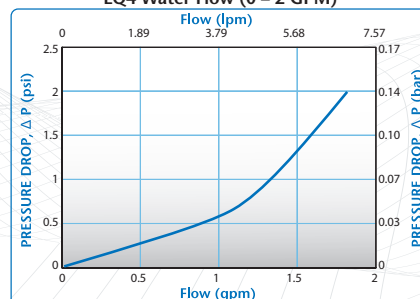
Able to withstand long-term, repeated use

Eliminates tube kinking

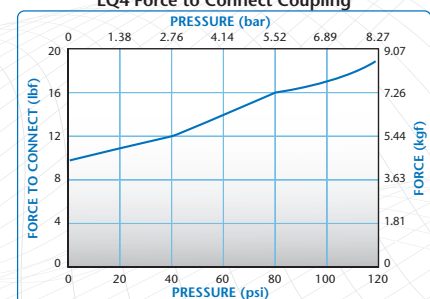
LQ4 Water Flow (0 – 10 GPM)



LQ4 Water Flow (0 – 2 GPM)

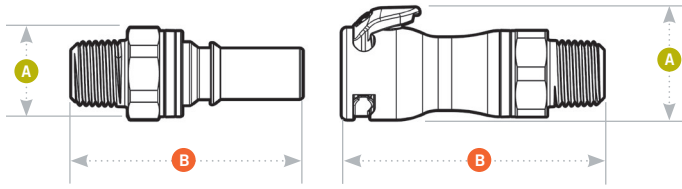


LQ4 Force to Connect Coupling



⚠ 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.

LQ4 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	1/4" ID	6.4mm ID	LQ4D17004RED	0.98	2.49
	1/4" ID	6.4mm ID	LQ4D17004BLU	0.98	2.49
	3/8" ID	9.5mm ID	LQ4D17006RED	0.98	2.49
	3/8" ID	9.5mm ID	LQ4D17006BLU	0.98	2.49
IN-LINE STRAIGHT THREAD PORT SAE	1/4 SAE-4		LQ4D30004RED	0.98	2.29
	1/4 SAE-4		LQ4D30004BLU	0.98	2.29
	3/8 SAE-6		LQ4D30006RED	0.98	2.29
	3/8 SAE-6		LQ4D30006BLU	0.98	2.29
IN-LINE PIPE THREAD	1/4" NPT		LQ4D10004RED	0.98	2.31
	1/4" NPT		LQ4D10004BLU	0.98	2.31
	3/8" NPT		LQ4D10006RED	0.98	2.31
	3/8" NPT		LQ4D10006BLU	0.98	2.31
IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D13006RED	0.98	2.46
	1/4" ID x 3/8" OD		LQ4D13006BLU	0.98	2.46

Coupling Inserts • CHROME-PLATED BRASS

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE HOSE BARB	1/4" ID	6.4mm ID	LQ4D22004RED	0.74	2.22
	1/4" ID	6.4mm ID	LQ4D22004BLU	0.74	2.22
	3/8" ID	9.5mm ID	LQ4D22006BLU	0.74	2.22
	3/8" ID	9.5mm ID	LQ4D22006RED	0.74	2.22
IN-LINE STRAIGHT THREAD PORT SAE	1/4 SAE-4		LQ4D46004BLU	0.80	2.02
	1/4 SAE-4		LQ4D46004RED	0.80	2.02
	3/8 SAE-6		LQ4D46006BLU	0.80	2.02
	3/8 SAE-6		LQ4D46006RED	0.80	2.02
IN-LINE PIPE THREAD	1/4" NPT		LQ4D24004RED	0.80	2.04
	1/4" NPT		LQ4D24004BLU	0.80	2.04
	3/8" NPT		LQ4D24006RED	0.80	2.04
	3/8" NPT		LQ4D24006BLU	0.80	2.04
IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D20006RED	0.80	2.19
	1/4" ID x 3/8" OD		LQ4D20006BLU	0.80	2.19

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