

# 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

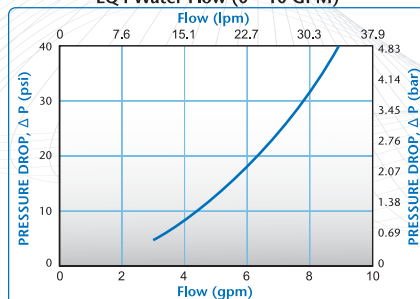
Instant visual difference in cooling lines

Valving system designed for extended periods in connected state

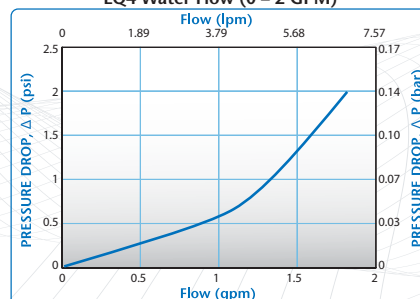
Able to withstand long-term, repeated use

Eliminates tube kinking

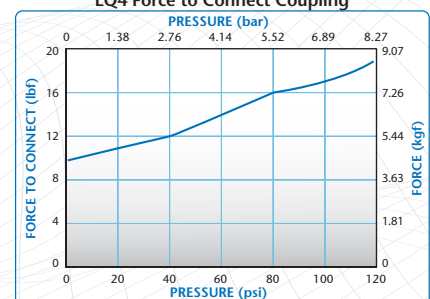
LQ4 Water Flow (0 – 10 GPM)



LQ4 Water Flow (0 – 2 GPM)

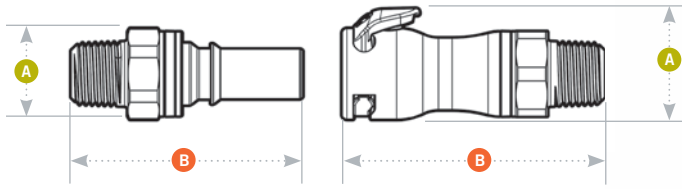


LQ4 Force to Connect Coupling



⚠ 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    |
|---|--------------------|------------|--------------|------|------|
| <b>IN-LINE HOSE BARB</b>                | 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   | LD4D17006RED | 0.98 | 2.49 |
|   | 3/8" ID            | 9.5mm ID   | LQ4D17006BLU | 0.98 | 2.49 |
| <b>IN-LINE STRAIGHT THREAD PORT SAE</b> | 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 |
| <b>IN-LINE PIPE THREAD</b>              | 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 |
| <b>IN-LINE PTF</b>                      | 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    |
|---|--------------------|------------|--------------|------|------|
| <b>IN-LINE HOSE BARB</b>                | 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 |
| <b>IN-LINE STRAIGHT THREAD PORT SAE</b> | 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 |
| <b>IN-LINE PIPE THREAD</b>              | 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 |
| <b>IN-LINE PTF</b>                      | 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.