

# BLQ4 SERIES CONNECTOR



**BLQ4 Series quick disconnect couplings** provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for rack mounted liquid cooling applications, BLQ4 utilizes patent-pending valve technology that eliminates drips and is able to withstand long-term use.

## FEATURES

- Non-spill design
- Redundant sealing when connected
- Friction-free valve
- Ruggedness
- Axial engagement tolerance

## BENEFITS

- Disconnect under pressure with no spills
- Extra protection from leaks
- Valving system designed for extended periods in connected state
- Able to withstand long-term, repeated use
- Valves designed to allow full flow even when not fully engaged

## 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

### ENGAGEMENT TOLERANCE:

Coupling must be within 1/8" of fully engaged to achieve maximum flow.

### MATERIALS:

**Main Housing Components:**

Chrome-plated brass

**Valves:** Polysulfone

**Valve Springs (wetted):** Stainless steel

**Seals:** EPDM

### THREAD SIZES:

**Insert:** SAE-6

**Body:** SAE-8

### LUBRICANTS:

Krytox® PFPE

### SPILLAGE:

<0.025 cc per disconnect at 0 psi;  
<0.055 cc per disconnect at 120 psi

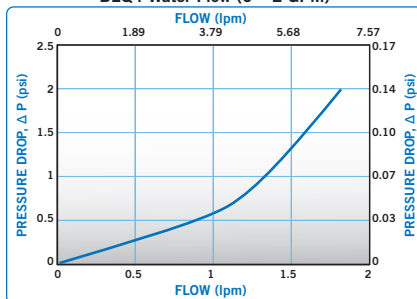
### INCLUSION:

<0.025 cc per connect

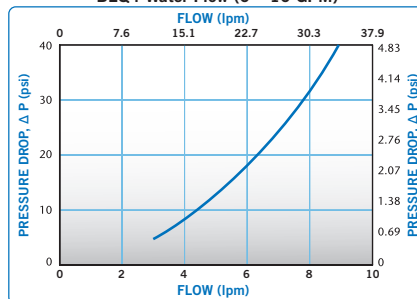
**WARNING:** Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

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.

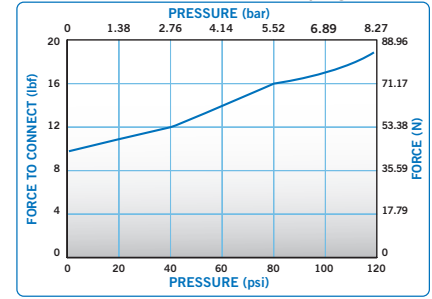
BLQ4 Water Flow (0 – 2 GPM)



BLQ4 Water Flow (0 – 10 GPM)



BLQ4 Force to Connect Coupling

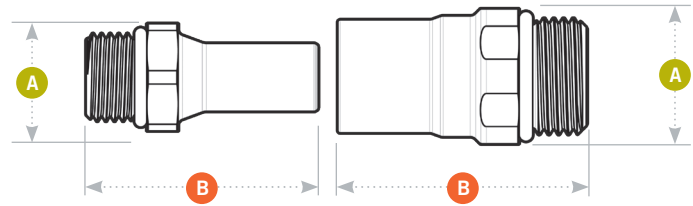


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# BLQ4 SERIES CONNECTOR

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

**A** = Height/Diameter  
**B** = Total Length



## Coupling Bodies • CHROME-PLATED BRASS



**TERMINATION**  
 IN-LINE STRAIGHT  
 THREAD PORT SAE

**TUBING/THREAD SIZE**  
 SAE-8

**METRIC EQ.**

**SHUTOFF**  
 BLQ4D30008

**A**  
 0.90

**B**  
 1.60

## Coupling Inserts • CHROME-PLATED BRASS



**TERMINATION**  
 IN-LINE STRAIGHT  
 THREAD PORT SAE

**TUBING/THREAD SIZE**  
 SAE-6

**METRIC EQ.**

**SHUTOFF**  
 BLQ4D46006

**A**  
 0.75

**B**  
 1.50



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WARRANTY: All sales are subject to Colder Products Company's limited express warranty set forth in the CPC catalog. Contact your local distributor or CPC Customer Service for warranty provisions.

Warning: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

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