

EVERIS™ BLQ2 SERIES CONNECTOR

Everis™ BLQ2 Series quick disconnect couplings provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for rack mounted liquid cooling applications, the Everis BLQ2 utilizes patented technology that eliminates drips and is able to withstand long-term connection.



SPECIFICATIONS

PRESSURE:

Vacuum to 200 psi, 13.8 bar

TEMPERATURE:

Operating: 0°F to 240°F (-17°C to 115°C)

Storage/Shipping:

-40°F to 240°F (-40°C to 115°C)

MAXIMUM FLOW AT DISCONNECT:

1.00 gal/min at 0 - 100 psi

.025 gal/min at 101 - 200 psi

MATERIALS:

Main Components:

Nickel-chrome plated brass

Valves: Polysulfone

Valve Springs (wetted): Stainless steel

Seals: EPDM

Compliance: RoHS, REACH

COLOR: Chrome

THREAD SIZES: 1/4" SAE-4

LUBRICANTS: Krytox® PFPE

SPILLAGE:

<0.015 cc per disconnect at 0 psi;

<0.063 cc per disconnect at 200 psi

AIR INCLUSION: <0.04 cc per connect

FLOW COEFFICIENT: Cv ~ 0.4 (0.3 Kv)

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.

FEATURES

Non-spill valve



BENEFITS

Disconnect under pressure with no spills

Redundant multi-lobed seals



Extra protection from leak-causing contaminants and debris

Innovative valve design



Enables extended periods in connected state

Ruggedness



Able to withstand long-term, repeated use

Axial engagement tolerance

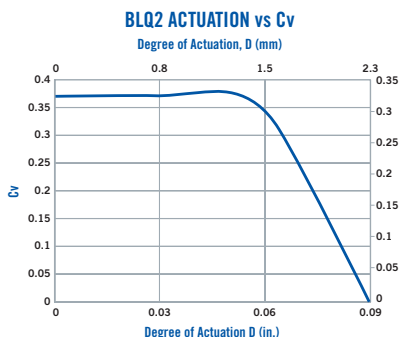
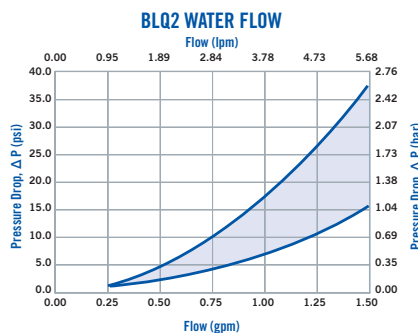


Allows full flow even when not fully engaged

Single-piece options for body & insert

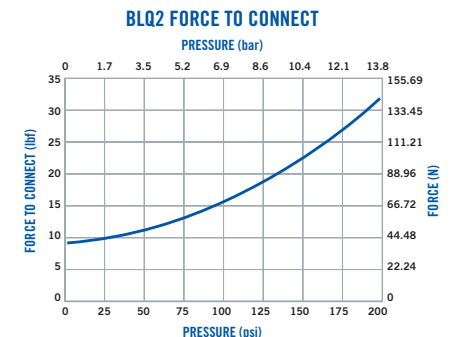


Space saving



DID YOU KNOW

Evaluate QDs for liquid cooling applications by comparing their nominal flow coefficient (Cv or Kv.)



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.

EVERIS™ BLQ2 SERIES DIMENSIONS

COUPLING BODIES - Nickel-chrome plated brass



| TERMINATION | TUBING/THREAD SIZE | METRIC EQ. | SHUTOFF | HEX | A | B | C |
|--------------------------------|-----------------------------------|------------|-----------|-------|-------------|-------------|-------------|
| IN-LINE STRAIGHT THREAD SAE | 1/4 SAE-4: 7/16-20 ^{1,2} | N/A | BLQ2D3004 | 9/16" | 0.62 (15.7) | 1.31 (33.3) | 0.95 (24.1) |

COUPLING INSERTS - Nickel-chrome plated brass



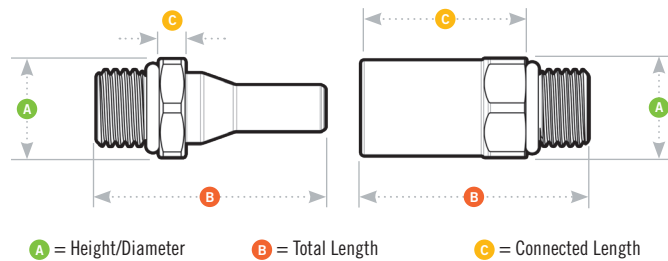
| TERMINATION | TUBING/THREAD SIZE | METRIC EQ. | SHUTOFF | HEX | A | B | C |
|--------------------------------|-----------------------------------|------------|-----------|-------|-------------|-------------|------------|
| IN-LINE STRAIGHT THREAD SAE | 1/4 SAE-4: 7/16-20 ^{1,2} | N/A | BLQ2D4604 | 9/16" | 0.62 (15.7) | 1.32 (33.3) | 0.15 (3.8) |

All measurements are in inches (millimeters) unless otherwise noted.
¹All SAE terminations are compatible with SAE J1926-1 ports
²One-piece design

PRODUCT DIMENSIONS



cpcworldwide.com/Everis-BLQ2



Everis™ QD Reliability

QDs designed for long-term, connected use with non-spill valves for dripless connection and disconnection.

