

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

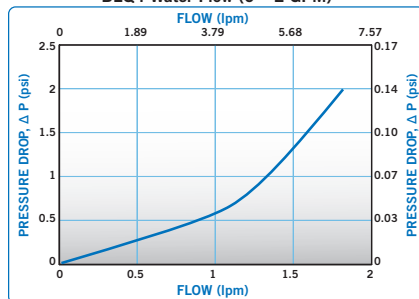
INCLUSION:

<0.025 cc per connect

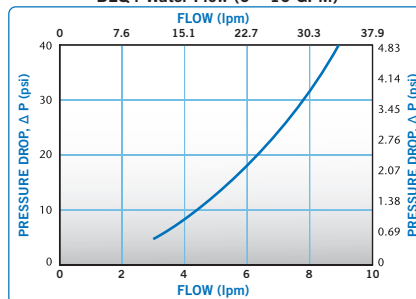
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

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.

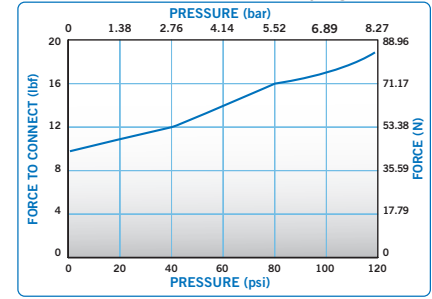
BLQ4 Water Flow (0 – 2 GPM)



BLQ4 Water Flow (0 – 10 GPM)



BLQ4 Force to Connect Coupling

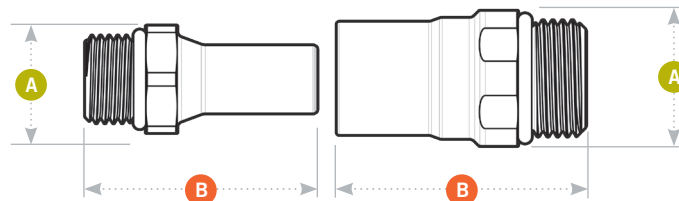


Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

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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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Smart fluid handling to take you forward, faster.

cpcworldwide.com/ContactUs

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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