Everis™ BLQ6 Series quick disconnect couplings

Ultra-reliable, no-drip connections for thermal management to help protect valuable electronic systems. Designed specifically for blind mate liquid cooling applications, the Everis BLQ6 Series uses patent pending valve technology that eliminates drips and is specifically designed to withstand long-term connection. An optional accessory kit is available for panel mount connections.

### Specifications

**PRESSURE:**
Vacuum to 120 psi, 8.3 bar

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

**Shipping/Storage Temperature:**
-40°F to 240°F (-40°C to 115°C)

**MAXIMUM FLOW AT DISCONNECT:**
3.0 gal/min, 11.3L/min

**AXIAL TOLERANCE:**
Coupling must be within 1/8” of fully engaged to achieve maximum flow.

**MATERIALS:**
Main Housing Components: Aluminum
Material Finish: Anodized
Valves: Polysulfone
Valve Springs (wetted): Stainless steel
Seals: EPDM

**THREAD SIZES:**
Insert: SAE-6, G 1/2
Body: SAE-6, G 1/2

**LUBRICANTS:** Krytox® PFPE

**SPILLAGE:**
<0.03 cc per disconnect at 0 psi;
<0.03 cc per disconnect at 120 psi

**INCLUSION:**
<0.022 cc per connect

**FLOW COEFFICIENT:** Cv ~ 2.2

**RADIAL MISALIGNMENT:** 1 mm max

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

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**FEATURES** | **BENEFITS**
---|---
Non-spill design | Disconnect under pressure
Redundant seals | Extra protection from contaminants and debris when couplers are connected
Friction-free valve | Provides reliability for extended periods of operation
Rugged anodized aluminum | Able to withstand long-term, ongoing and repeated use
Axial engagement tolerance | Allows full flow even when not fully engaged
Optional panel mount kit | Enables either the body, insert or both to be panel mounted

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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.

Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.
EVERIS™ BLQ6 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 • ALUMINUM

TERMINATION IN-LINE STRAIGHT THREAD PORT SAE

TUBING/THREAD SIZE 3/8 SAE-6: 9/16-18

PART NUMBER BLQ6D30006

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TERMINATION IN-LINE G / BSPP STRAIGHT THREAD

TUBING/THREAD SIZE G 1/2 (BSPP)

PART NUMBER BLQ6D31008

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Coupling Inserts • ALUMINUM

TERMINATION IN-LINE STRAIGHT THREAD PORT SAE

TUBING/THREAD SIZE 3/8 SAE-6: 9/16-18

PART NUMBER BLQ6D46006

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TERMINATION IN-LINE G / BSPP STRAIGHT THREAD

TUBING/THREAD SIZE G 1/2 (BSPP)

PART NUMBER BLQ6D47008

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Panel Mount Kit (Part Number: BLQ6PMKIT)

1. Retainer Ring
2. Panel
3. Wave Spring
4. Everis BLQ6 Body or Insert

Kit includes spring and retainer ring only.

Panel Hole Size:

\[ \Phi \approx 0.790 \pm 0.005 \text{ (inches)} \]

Panel Thickness Range Max-Min (in)

\[ 0.075 - 0.175 \]

Radial Misalignment

1 mm max

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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.

Krytox® is a registered trademark of The Chemours Company.