

# EVERIS™ BLQ6 SERIES CONNECTOR



## 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.

### FEATURES

Non-spill design

Redundant seals

Friction-free valve

Rugged anodized aluminum

Axial engagement tolerance

Optional panel mount kit

### BENEFITS

Disconnect under pressure

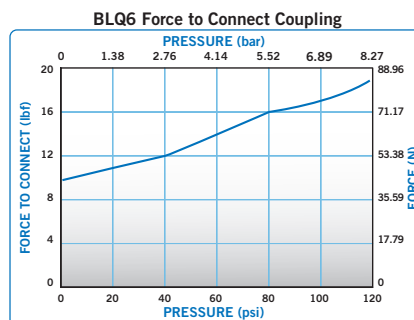
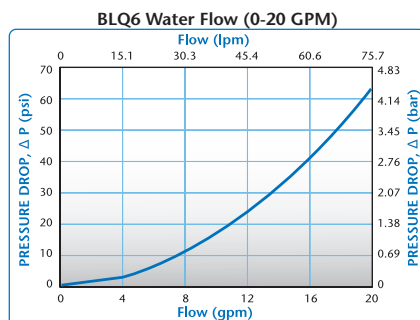
Extra protection from contaminants and debris when couplers are connected

Provides reliability for extended periods of operation

Able to withstand long-term, ongoing and repeated use

Allows full flow even when not fully engaged

Enables either the body, insert or both to be panel mounted



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.

## 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;

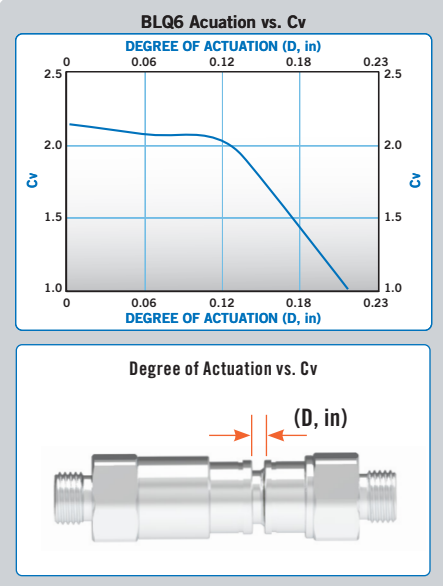
<0.03 cc per disconnect at 120 psi

### INCLUSION: <0.022 cc per connect

### FLOW COEFFICIENT: $C_v \sim 2.2$

### 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.

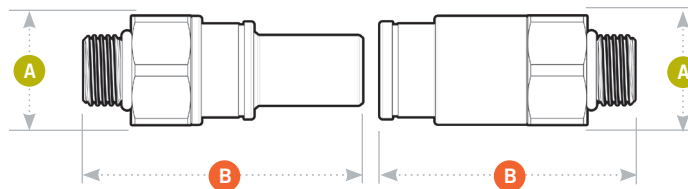


Visit us at [cpcworldwide.com](http://cpcworldwide.com) or call 800-444-2474 to get a free catalog or to find your local distributor.

# 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 <sup>1</sup>

**PART NUMBER**  
BLQ6D30006

**A**  
0.875

**B**  
2.08

**IN-LINE G / BSPP**  
**STRAIGHT THREAD**

G 1/2 (BSPP) <sup>2</sup>

BLQ6D31008

1.02

2.26

## Coupling Inserts • ALUMINUM



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

**TUBING/THREAD SIZE**  
3/8 SAE-6: 9/16-18 <sup>1</sup>

**PART NUMBER**  
BLQ6D46006

**A**  
0.875

**B**  
2.27

**IN-LINE G / BSPP**  
**STRAIGHT THREAD**

G 1/2 (BSPP) <sup>2</sup>

BLQ6D47008

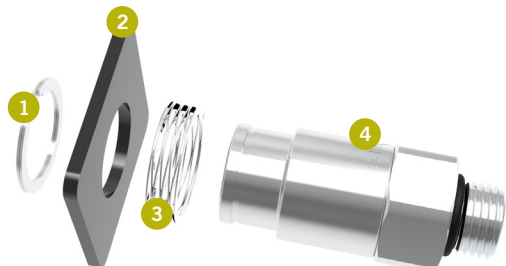
1.02

2.00

<sup>1</sup> All SAE terminations are compatible with SAE J1926-1 ports.

<sup>2</sup> All G (BSPP) terminations are compatible with ISO 1179-1 ports.

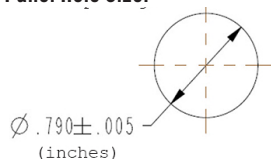
## Panel Mount Kit (Part Number: BLQ6PMKIT)



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

Kit includes spring and retainer ring only.

**Panel Hole Size:**



**Panel Thickness Range**  
**Max-Min (in)**  
.075 -.175"

## Radial Misalignment



**COLDER PRODUCTS COMPANY**  
U.S.A.

PHONE +1 651-645-0091  
FAX +1 651-645-5404  
TOLL FREE 800-444-2474

**COLDER PRODUCTS COMPANY GMBH**  
Germany

PHONE +49-6026-9973-0  
FAX +49-6026-9973-173

**COLDER PRODUCTS COMPANY LIMITED**  
Hong Kong S.A.R. of China

PHONE +852-2987-5272  
FAX +852-2987-2509

**Smart fluid handling to take you forward, faster.**

[cpcworldwide.com/ContactUs](http://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.

COPYRIGHT © 2020 BY COLDER PRODUCTS COMPANY. COLDER PRODUCTS COMPANY, COLDER PRODUCTS AND CPC ARE REGISTERED TRADEMARKS WITH THE US PATENT & TRADEMARK OFFICE.

SPEC1058 11/20