

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

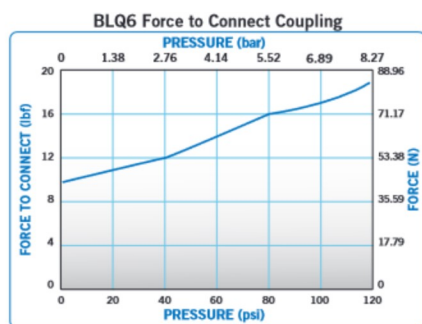
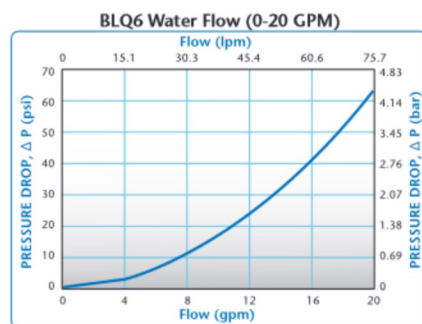
Extra protection from contaminants and debris when couplers are connected

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:

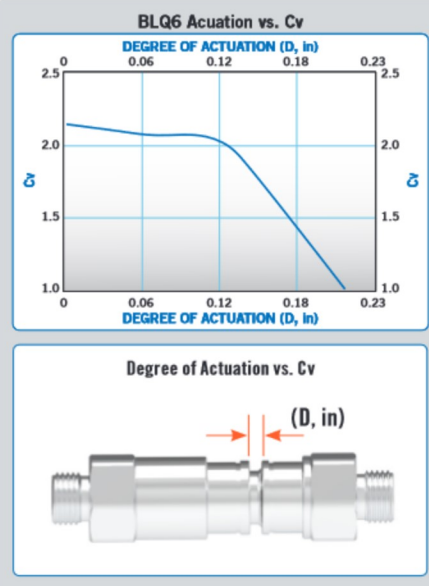
<0.03 cc per disconnect at 0 psi;
<0.03 cc per disconnect at 120 psi

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.

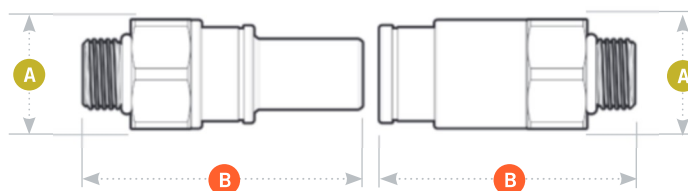


Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

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: 9/16-18¹

PART NUMBER
BLQ6D30006

A
0.875

B
2.08

IN-LINE G / BSPP
STRAIGHT THREAD

G 1/2 (BSPP)²

BLQ6D31008

1.02

2.26

Coupling Inserts • ALUMINUM



TERMINATION
IN-LINE STRAIGHT
THREAD PORT SAE

TUBING/THREAD SIZE
3/8 SAE-6: 9/16-18¹

PART NUMBER
BLQ6D46006

A
0.875

B
2.27

IN-LINE G / BSPP
STRAIGHT THREAD

G 1/2 (BSPP)²

BLQ6D47008

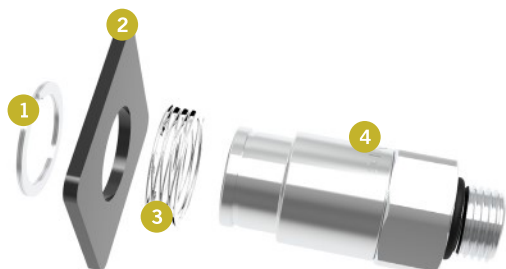
1.02

2.00

¹ All SAE terminations are compatible with SAE J1926-1 ports.

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

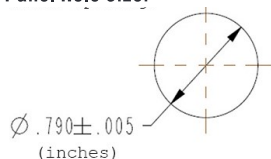
Panel Mount Kit (Part Number: BLQ6PMKIT)



- 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



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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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