

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: Plated brass

Valves: Polysulfone

Valve Springs (wetted): Stainless steel

Seals: EPDM

Compliance: RoHS, REACH

COLOR: Metallic

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

Redundant multi-lobed seals

Innovative valve design

Ruggedness

Axial engagement tolerance

Single-piece options for body & insert

BENEFITS

Disconnect under pressure with no spills

Extra protection from leak-causing contaminants and debris

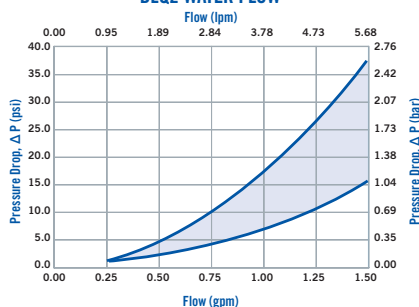
Enables extended periods in connected state

Able to withstand long-term, repeated use

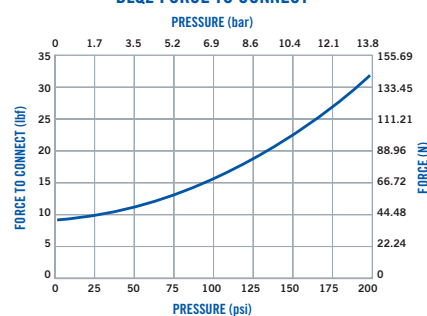
Allows full flow even when not fully engaged

Space saving

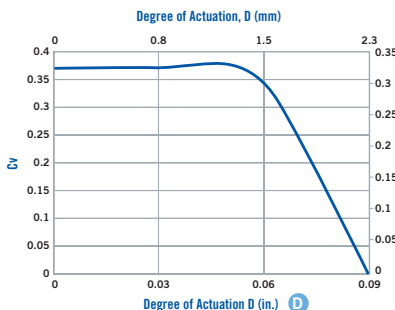
BLQ2 WATER FLOW



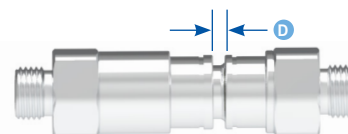
BLQ2 FORCE TO CONNECT



BLQ2 ACTUATION vs Cv



ACTUATION LENGTH



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.



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EVERIS® BLQ2 SERIES DIMENSIONS

COUPLING BODIES - 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 - Plated brass



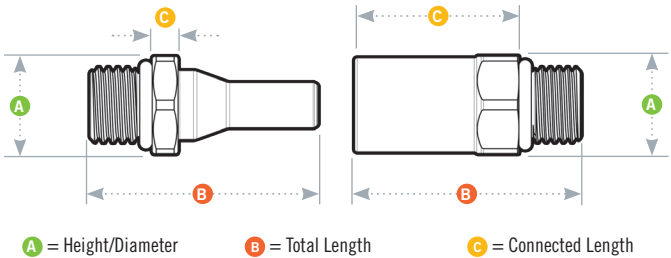
TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
IN-LINE STRAIGHT THREAD SAE	1/4 SAE-4: 7/16-20 ^{1,2}	N/A	BLQ2D4604	9/16"	0.62 (15.7)	1.32 (33.3)	0.15 (3.8)

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.

