

# EVERIS® BLQ4 SERIES CONNECTOR

**Everis® BLQ4 Series quick disconnect couplings** provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for rack mounted liquid cooling applications, Everis BLQ4 utilizes patented technology that eliminates drips and is designed for long-term connected use.



## SPECIFICATIONS

### PRESSURE:

Vacuum to 120 psi, 8.3 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:

3.0 gal/min, 11.3L/min

### ENGAGEMENT TOLERANCE:

Coupling must be within 1/8" (3mm) of fully engaged to achieve maximum flow.

### MATERIALS:

**Main Components:** Plated brass

**Valves:** Polysulfone

**Valve Springs (wetted):** Stainless steel

**Seals:** EPDM

**Compliance:** RoHS, REACH

**COLOR:** Metallic

### THREAD SIZES:

**Insert:** G 1/4, G 3/8, SAE-4, SAE-6

**Body:** G 1/4, G 3/8, SAE-4, SAE-6, SAE-8

**LUBRICANTS:** Krytox® PFPE

### SPILLAGE:

<0.025 cc per disconnect at 0 psi;

<0.055 cc per disconnect at 120 psi

**AIR INCLUSION:** 0.20 cc per connect

**FLOW COEFFICIENT:** Cv ~1.4 (1.2 Kv)

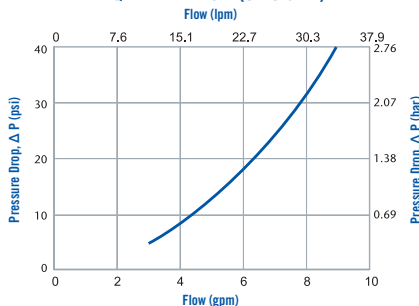
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

## FEATURES

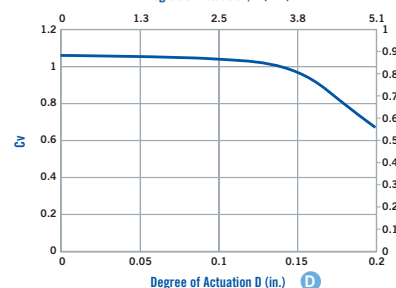
- Non-spill valves → Disconnect under pressure with no spills
- Redundant seals → Extra protection from leak-causing contaminants and debris
- Innovative valve design → Enables extended periods in connected state
- Rugged construction → Able to withstand long-term, repeated use
- Axial engagement tolerance → Allows full flow even when not fully engaged
- Single-piece options for body & insert → Space saving

## BENEFITS

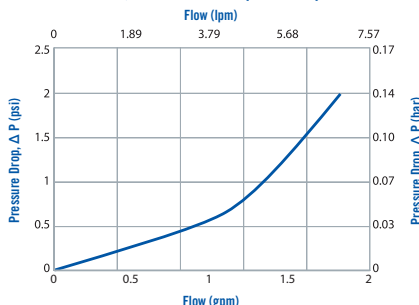
BLQ4 WATER FLOW (0-10 GPM)



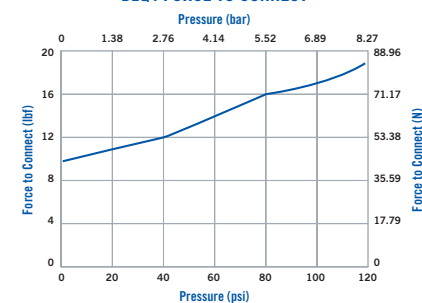
BLQ4 ACTUATION vs Cv  
Degree of Actuation, D (mm)



BLQ4 WATER FLOW (0-2 GPM)



BLQ4 FORCE TO CONNECT



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® BLQ4 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 <sup>1</sup>	N/A	BLQ4D30004	22mm	0.93 (23.6)	2.05 (52.1)	1.64 (41.7)
	3/8 SAE-6: 9/16-18 <sup>1</sup>	N/A	BLQ4D30006	22mm	0.93 (23.6)	2.05 (52.1)	1.64 (41.7)
	1/2 SAE-8: 3/4-16 <sup>1,3</sup>	N/A	BLQ4D30008	22mm	0.90 (22.9)	1.60 (40.6)	1.16 (29.5)
IN-LINE STRAIGHT THREAD G / BSPP	G 1/4 (BSPP) <sup>2</sup>	N/A	BLQ4D31004	22mm	0.93 (23.6)	2.11 (53.6)	1.70 (43.2)
	G 3/8 (BSPP) <sup>2</sup>	N/A	BLQ4D31006	22mm	0.93 (23.6)	2.11 (53.6)	1.70 (43.2)

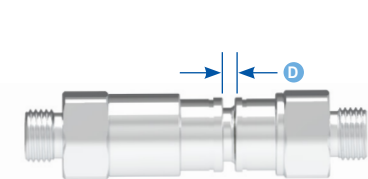
## COUPLING INSERTS - Plated brass



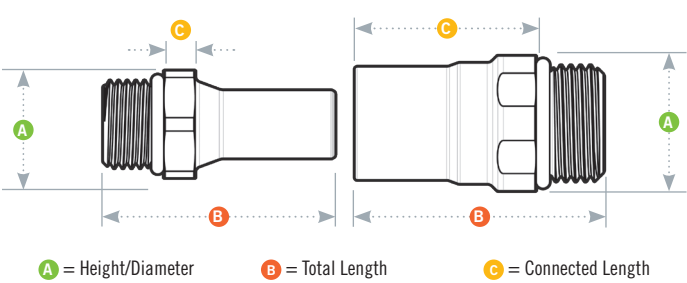
TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
IN-LINE STRAIGHT THREAD SAE	1/4 SAE-4: 7/16-20 <sup>1</sup>	N/A	BLQ4D46004	22mm	0.93 (23.6)	1.99 (50.5)	0.69 (17.5)
	3/8 SAE-6: 9/16-18 <sup>1,3</sup>	N/A	BLQ4D46006	22mm	0.75 (19.1)	1.49 (37.8)	0.19 (4.8)
IN-LINE STRAIGHT THREAD G / BSPP	G 1/4 (BSPP) <sup>2</sup>	N/A	BLQ4D47004	22mm	0.93 (23.6)	2.05 (52.1)	0.75 (19.1)
	G 3/8 (BSPP) <sup>2,3</sup>	N/A	BLQ4D47006	22mm	0.93 (23.6)	1.49 (37.8)	0.19 (4.8)

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.:  
<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.  
<sup>3</sup>One-piece design.

## ACTUATION LENGTH



## PRODUCT DIMENSIONS



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Everis-BLQ4