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" (3 mm) 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

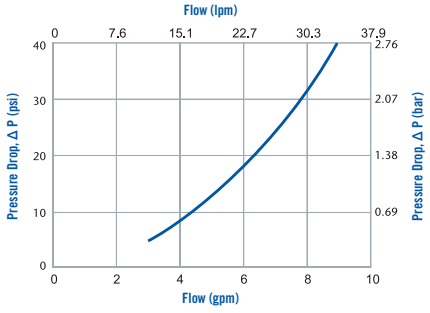
FLOW COEFFICIENT: Cv ~1.4 (1.2 Kv)

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™ products in their own application conditions.

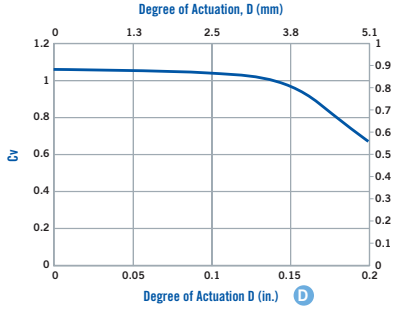
*The specified shipping and storage temperature range is specific to the CPC product and does not apply to external packaging or shipping materials.

FEATURES	BENEFITS
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

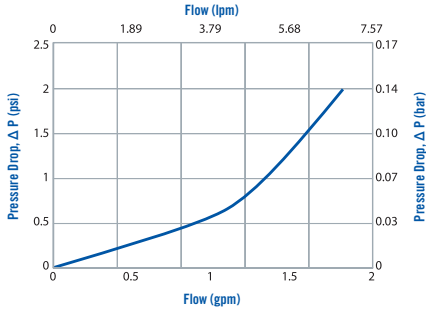
BLQ4 WATER FLOW (0-10 GPM)



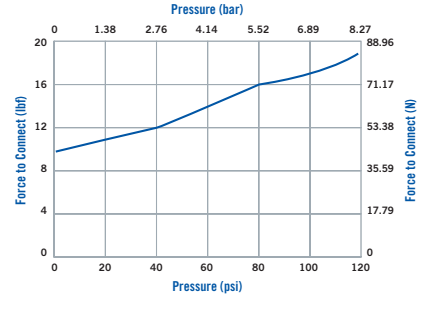
BLQ4 ACTUATION vs Cv



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

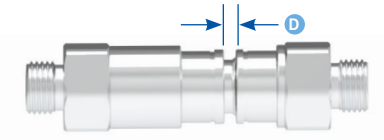
COUPLING INSERTS - Plated brass



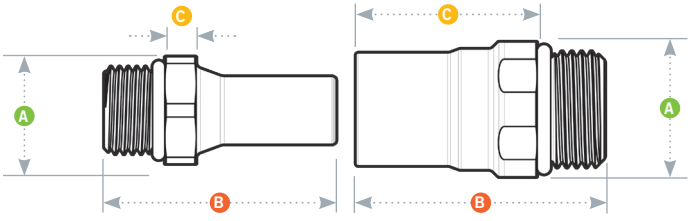
TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
IN-LINE STRAIGHT THREAD SAE	1/4 SAE-4: 7/16-20[1]	N/A	BLQ4D46004	22 mm	0.93 (23.6)	1.99 (50.5)	0.69 (17.5)
	3/8 SAE-6: 9/16-18[1,3]	N/A	BLQ4D46006	22 mm	0.75 (19.1)	1.49 (37.8)	0.19 (4.8)
IN-LINE STRAIGHT THREAD G / BSPP	G 1/4 (BSPP)[2]	N/A	BLQ4D47004	22 mm	0.93 (23.6)	2.05 (52.1)	0.75 (19.1)
	G 3/8 (BSPP)[2,3]	N/A	BLQ4D47006	22 mm	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.:
[1]All SAE terminations are compatible with SAE J1926-1 ports.
[2]All G (BSPP) terminations are compatible with ISO 1179-1 ports.
[3]One-piece design.

ACTUATION LENGTH



PRODUCT DIMENSIONS



A = Height/Diameter B = Total Length C = Connected Length

SCAN

cpcworldwide.com/
Everis-BLQ4

WARRANTY: All sales are subject to the Colder Products Company® 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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