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 BLQ6 Series uses patented technology that eliminates drips and is specifically designed to withstand long-term connection. An optional accessory kit is available for panel mount connections.

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" of fully engaged to achieve maximum flow.

MATERIALS:
Main Components: Anodized Aluminum
Valves: Polysulfone
Valve Springs (wetted): Stainless steel
Seals: EPDM
Panel Mount Kit: Stainless steel
Compliance: RoHS, REACH

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

AIR INCLUSION: <0.022 cc per connect

FLOW COEFFICIENT: Cv ~ 2.2 (1.90 Kv)

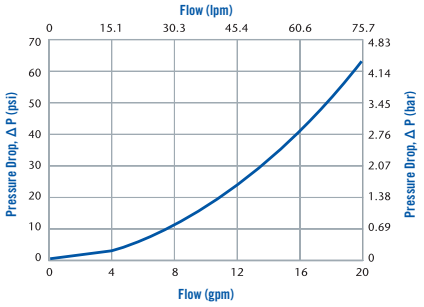
AXIAL MISALIGNMENT: 1 mm max

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

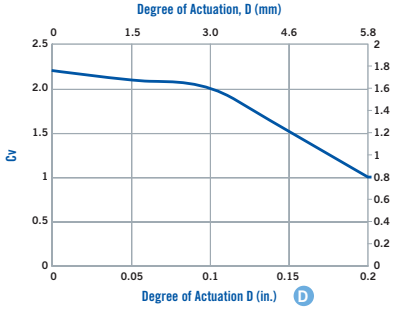
*The specified shipping and storage temperature range is specific to the CPC product and does not apply to external packaging or shipping materials.

FEATURES	BENEFITS
Non-spill valve	Disconnect under pressure with no spills
Redundant seals	Extra protection from leak-causing contaminants and debris
Innovative valve design	Provides reliability for extended periods of operation
Rugged anodized aluminum	Able to withstand long-term, ongoing and repeated use
Axial engagement tolerance	Allows full flow even when not fully engaged
Optional panel mount kit	Enables either the body, insert or both to be panel mounted

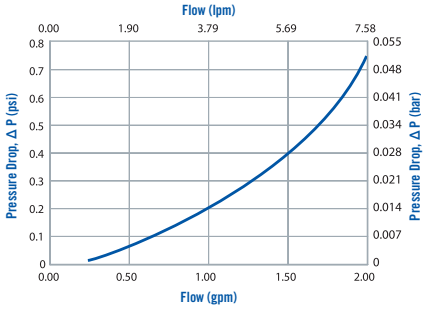
BLQ6 WATER FLOW (0-20 GPM)



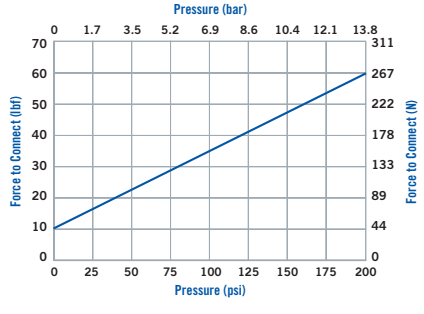
BLQ6 ACTUATION vs Cv



BLQ6 WATER FLOW (0-2 GPM)



BLQ6 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® BLQ6 SERIES DIMENSIONS

COUPLING BODIES - Anodized aluminum



TERMINATION	TUBING/THREAD SIZE	METRIC EQ	SHUTOFF	HEX	A	B	C
IN-LINE STRAIGHT THREAD SAE	3/8 SAE-6: 9/16-18[1]	N/A	BLQ6D30006	7/8"	0.96 (24.4)	2.08 (52.7)	1.68 (42.8)
IN-LINE STRAIGHT THREAD G / BSPP	G 1/2[2]	N/A	BLQ6D31008	26 mm	1.12 (28.4)	2.26 (57.5)	1.76 (44.7)

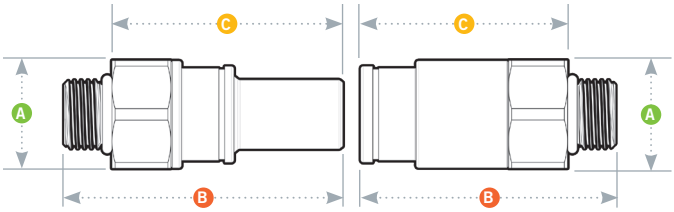
COUPLING INSERTS - Anodized aluminum



TERMINATION	TUBING/THREAD SIZE	METRIC EQ	SHUTOFF	HEX	A	B	C
IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6: 9/16-18[1]	N/A	BLQ6D46006	7/8"	0.96 (24.4)	2.27 (57.7)	0.99 (25.2)
IN-LINE STRAIGHT THREAD G / BSPP	G 1/2[2,3]	N/A	BLQ6D47008	26 mm	1.12 (28.4)	2.00 (50.9)	0.70 (17.8)

All measurements are in inches (millimeters) unless otherwise noted.
[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

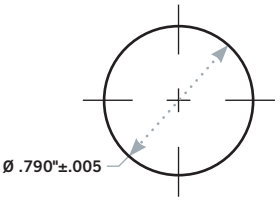
PRODUCT DIMENSIONS



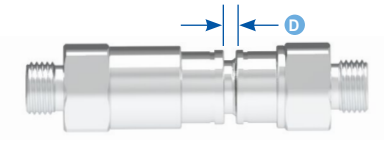
A = Height/Diameter B = Total Length C = Connected Length

PANEL DIMENSIONS

	PANEL OPENING	PANEL THICKNESS MAX.–MIN.
	see drawing	0.075 -0.175"

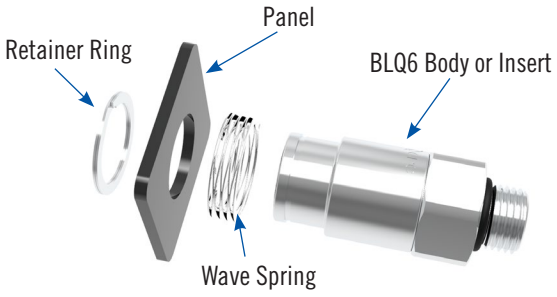


ACTUATION LENGTH

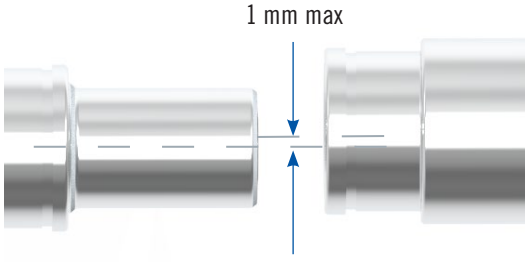


PANEL MOUNT KIT (P/N BLQ6PMKIT)

Kit includes wave spring and retainer ring only.



RADIAL TOLERANCE



SCAN

cpcworldwide.com/Everis-BLQ6

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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