

EVERIS® LQ6 SERIES CONNECTOR

Everis® LQ6 Series quick disconnect couplings feature 3/8" flow for liquid cooling of electronics applications. Everis LQ6 connectors offer a high-flow capacity to optimize liquid cooling system performance. The couplings' patented design offers reliable long-term connections and the non-spill valves provide drip-free connections and disconnections to protect sensitive equipment. FKM, FVMQ and EPDM seals are standard options for compatibility with dielectric or glycol/water coolants. For other material and termination options see your regional CPC sales representative.



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:

5.0 gal/min, 18.9L/min at 0 – 120 psi

MATERIALS:

Main Components: Plated brass

Valves and Thumb latch: Polysulfone

Valve Springs (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM standard (FKM, FVMQ options)

Compliance: RoHS, REACH

COLOR: Metallic with Cool Blue or Warm Red

TUBING SIZES:

3/8" to 1/2" ID, 9.5 mm to 12.7 mm ID

LUBRICANTS: Krytox® PFPE

SPILLAGE:

0.03 cc per disconnect rated at 0 psi

0.03 cc per disconnect rated at 120 psi

AIR INCLUSION: 0.33 cc per connect

FLOW COEFFICIENT: Cv ~2.2 (1.9 Kv)

*FVMQ seal option extends operating temperature to -40°F (-40°C)

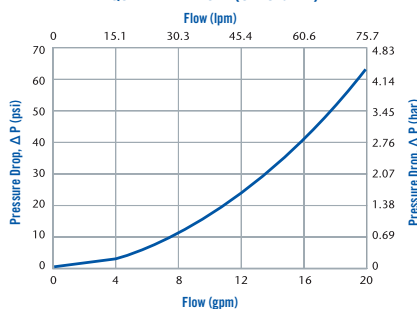
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC™ products in their own application conditions.

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

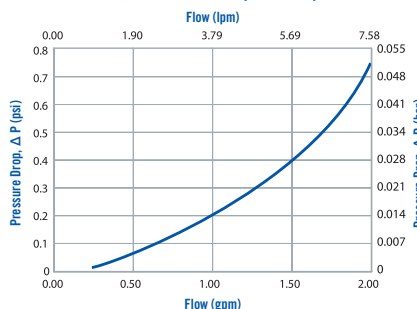
FEATURES

- Non-spill valve → Disconnect under pressure with no spills
- Redundant multi-lobed seals → Extra protection from leak-causing contaminants and debris
- High flow capacity with low pressure drop → Increased system energy efficiency
- EPDM, FKM or FVMQ seals → Compatibility with common coolants (e.g. glycol/water, mineral oil) and application temperatures
- Ergonomic body and latch design → Simple, intuitive one-handed operation
- Audible click → Connection assurance
- Color coding → Instant visual identification of cooling lines
- Low profile → Meets size requirements for space-constrained electronics
- Swivel connection → Allows user to orient latch or tube to facilitate installation and maintenance
- Single-piece options for insert → Space saving

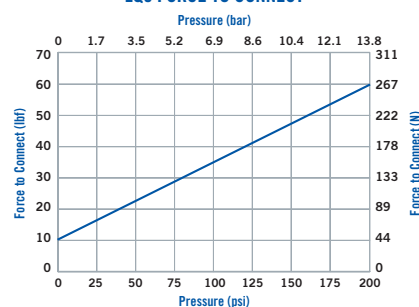
LQ6 WATER FLOW (0-20 GPM)



LQ6 WATER FLOW (0-2 GPM)



LQ6 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.



cpcworldwide.com/Everis-LQ6



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EVERIS® LQ6 SERIES DIMENSIONS

COUPLING BODIES - Plated brass

	TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
	IN-LINE LOCKING HOSE BARB	3/8" ID	9.5 mm ID	LQ6D17006LRED		1.19 (30.1)	2.96 (75.1)	2.08 (52.8)
		3/8" ID	9.5 mm ID	LQ6D17006LBLU		1.19 (30.1)	2.96 (75.1)	2.08 (52.8)
		1/2" ID	12.7 mm ID	LQ6D17008LRED		1.19 (30.1)	3.08 (78.2)	2.08 (52.8)
		1/2" ID	12.7 mm ID	LQ6D17008LBLU		1.19 (30.1)	3.08 (78.2)	2.08 (52.8)
	IN-LINE HOSE BARB	3/8" ID	9.5 mm ID	LQ6D17006RED		1.19 (30.1)	2.73 (69.3)	2.08 (52.8)
		3/8" ID	9.5 mm ID	LQ6D17006BLU		1.19 (30.1)	2.73 (69.3)	2.08 (52.8)
		1/2" ID	12.7 mm ID	LQ6D17008RED		1.19 (30.1)	2.73 (69.3)	2.08 (52.8)
		1/2" ID	12.7 mm ID	LQ6D17008BLU		1.19 (30.1)	2.73 (69.3)	2.08 (52.8)
	IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6: 9/16-18 ¹		LQ6D30006RED	1"	1.19 (30.1)	2.47 (62.7)	2.08 (52.8)
		3/8 SAE-6: 9/16-18 ¹		LQ6D30006BLU	1"	1.19 (30.1)	2.47 (62.7)	2.08 (52.8)
		1/2 SAE-8: 3/4-16 ¹		LQ6D30008RED	1"	1.19 (30.1)	2.52 (64.0)	2.08 (52.9)
		1/2 SAE-8: 3/4-16 ¹		LQ6D30008BLU	1"	1.19 (30.1)	2.52 (64.0)	2.08 (52.9)
	IN-LINE PIPE THREAD	3/8" NPT		LQ6D10006RED	1"	1.19 (30.1)	2.58 (65.5)	2.08 (52.8)
		3/8" NPT		LQ6D10006BLU	1"	1.19 (30.1)	2.58 (65.5)	2.08 (52.8)
	IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D13008RED	1"	1.19 (30.1)	2.91 (73.9)	2.09 (53.0)
		3/8" ID x 1/2" OD		LQ6D13008BLU	1"	1.19 (30.1)	2.91 (73.9)	2.09 (53.0)
	IN-LINE THREAD G / BSPP	G3/8 ²		LQ6D31006RED	26 mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)
		G3/8 ²		LQ6D31006BLU	26 mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)
		G1/2 ²		LQ6D31008RED	26 mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)
		G1/2 ²		LQ6D31008BLU	26 mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)

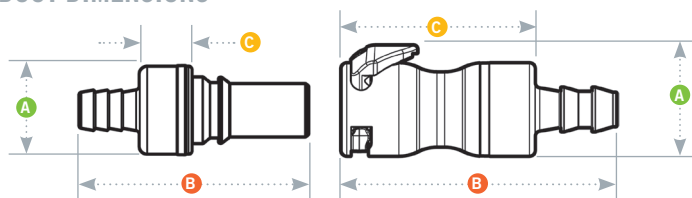
COUPLING INSERTS - Plated brass

	TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
	IN-LINE LOCKING HOSE BARB	3/8" ID	9.5 mm ID	LQ6D22006LRED		1.0 (25.3)	2.79 (70.7)	0.65 (16.4)
		3/8" ID	9.5 mm ID	LQ6D22006LBLU		1.0 (25.3)	2.79 (70.7)	0.65 (16.4)
		1/2" ID	12.7 mm ID	LQ6D22008LRED		1.0 (25.3)	2.91 (73.9)	0.65 (16.4)
		1/2" ID	12.7 mm ID	LQ6D22008LBLU		1.0 (25.3)	2.91 (73.9)	0.65 (16.4)
	IN-LINE HOSE BARB	3/8" ID	9.5 mm ID	LQ6D22006RED		1.0 (25.3)	2.56 (65.0)	0.65 (16.4)
		3/8" ID	9.5 mm ID	LQ6D22006BLU		1.0 (25.3)	2.56 (65.0)	0.65 (16.4)
		1/2" ID	12.7 mm ID	LQ6D22008RED		1.0 (25.3)	2.56 (65.0)	0.65 (16.4)
		1/2" ID	12.7 mm ID	LQ6D22008BLU		1.0 (25.3)	2.56 (65.0)	0.65 (16.4)
	IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6: 9/16-18 ¹		LQ6D46006RED	1"	1.10 (27.9)	2.30 (58.4)	0.65 (16.4)
		3/8 SAE-6: 9/16-18 ¹		LQ6D46006BLU	1"	1.10 (27.9)	2.30 (58.4)	0.65 (16.4)
		1/2 SAE-8: 3/4-16 ^{1,3}		LQ6D46008RED	7/8"	1.10 (27.9)	1.95 (49.6)	0.25 (6.4)
		1/2 SAE-8: 3/4-16 ^{1,3}		LQ6D46008BLU	7/8"	1.10 (27.9)	1.95 (49.6)	0.25 (6.4)
	IN-LINE PIPE THREAD	3/8" NPT		LQ6D24006RED	1"	1.10 (27.9)	2.41 (61.2)	0.65 (16.4)
		3/8" NPT		LQ6D24006BLU	1"	1.10 (27.9)	2.41 (61.2)	0.65 (16.4)
	IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D20008RED	1"	1.10 (27.9)	2.74 (69.6)	0.65 (16.6)
		3/8" ID x 1/2" OD		LQ6D20008BLU	1"	1.10 (27.9)	2.74 (69.6)	0.65 (16.6)
	IN-LINE THREAD G / BSPP	G3/8 ²		LQ6D47006RED	26 mm	1.12 (28.4)	2.42 (61.5)	0.72 (18.2)
		G3/8 ²		LQ6D47006BLU	26 mm	1.12 (28.4)	2.42 (61.5)	0.72 (18.2)
		G1/2 ^{2,3}		LQ6D47008RED	26 mm	1.12 (28.4)	2.04 (51.8)	0.28 (7.0)
		G1/2 ^{2,3}		LQ6D47008BLU	26 mm	1.12 (28.4)	2.04 (51.8)	0.28 (7.0)

For FKM seal option, add V suffix to part number. Example: LQ6D17006BLUV
For FVMQ seal option, add FLS suffix to part number. Example: LQ6D17006BLUFLS

¹All SAE terminations are compatible with SAE J1926-1 ports.
²All G (BSPP) terminations are compatible with ISO 1179-1 ports.
³One-piece design

PRODUCT DIMENSIONS



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

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

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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