

# EVERIS<sup>®</sup> LQ6 SERIES CONNECTOR

**Everis<sup>®</sup> 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, 9.5mm to 12.7mm ID

**LUBRICANTS:** Krytox<sup>®</sup> 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)

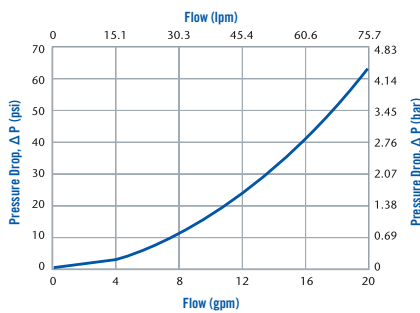
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

## FEATURES

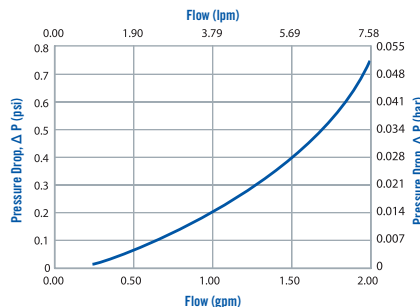
- Non-spill valve → Disconnect under pressure with no spills
- Redundant multi-lobed seals → Extra protection from leak-causing contaminants and debris
- High flow capacity with low pressure drop → Efficient, cost-effective cooling system
- EPDM, FKM or FVMQ seals → Compatibility with common coolants (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

## BENEFITS

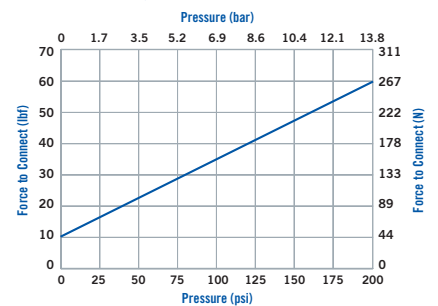
LQ6 WATER FLOW (0-20 GPM)



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









**COLDER PRODUCTS COMPANY**  
U.S.A.  
PHONE: +1 (651) 645-0091  
TOLL FREE: +1 (800) 444-2474  
E-MAIL: info@cpcworldwide.com

**COLDER PRODUCTS COMPANY GMBH**  
Germany  
E-MAIL: cpcgmbh@cpcworldwide.com







**DOVER (SHANGHAI) INDUSTRIAL CO., LTD**  
ShangHai, China  
PHONE: +86 21 2411 2666  
TOLL FREE: +86 400 990 1978  
E-MAIL: asiapacific@cpcworldwide.com

# EVERIS® LQ6 SERIES DIMENSIONS

## COUPLING BODIES - Plated brass

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

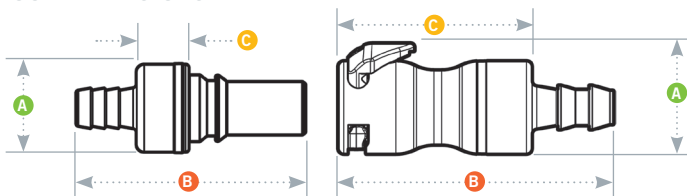
## COUPLING INSERTS - Plated brass

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

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

<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

## 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 Colder Products Company's 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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