

# EVERIS™ LQ4 SERIES CONNECTOR



## Everis™ LQ4 Series quick disconnect couplings

with 1/4" flow offer a relative high-flow capacity to optimize system performance. The couplings' patented design offers reliable long-term connections and provides drip-free connections and disconnections to protect sensitive equipment. EPDM, FVMQ and FKM seals are standard options for compatibility with water, glycol or dielectric 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:

3.0 gal/min, 11.3L/min at 0 – 120 psi

### MATERIALS:

#### Main Components:

Nickel-chrome 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:** Chrome with Cool Blue or Warm Red

### TUBING SIZES:

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

**LUBRICANTS:** Krytox® PFPE

### SPILLAGE:

0.025 cc per disconnect rated at 0 psi

0.055 cc per disconnect rated at 120 psi

**AIR INCLUSION:** 0.020 cc per connect

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

Redundant multi-lobed seals

High flow capacity with low pressure drop

EPDM, FKM or FVMQ seals

Ergonomic body and latch design

Audible click

Color coding

Low profile

Swivel connection

Single-piece options for insert

### BENEFITS

Disconnect under pressure with no spills

Extra protection from leak-causing contaminants and debris

Efficient, cost-effective cooling system

Compatibility with common coolants (e.g. glycol/water, mineral oil) and application temperatures

Simple, intuitive one-handed operation

Connection assurance

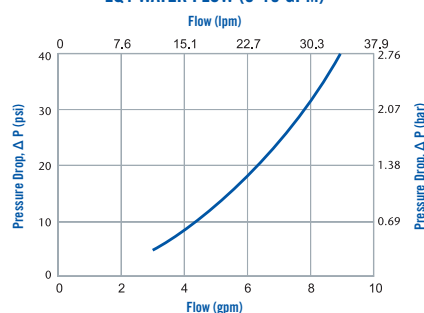
Instant visual identification of cooling lines

Meets size requirements for space-constrained electronics

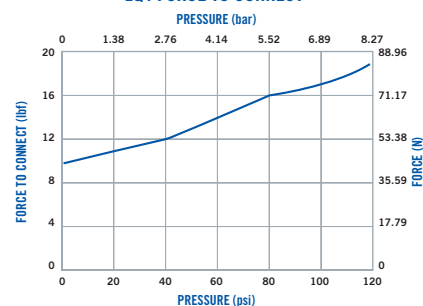
Allows user to orient latch or tube to facilitate installation and maintenance

Space saving

LQ4 WATER FLOW (0-10 GPM)



LQ4 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-LQ4



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# EVERIS™ LQ4 SERIES DIMENSIONS

## COUPLING BODIES - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
	1/4" ID	6.4mm ID	LQ4D17004LRED		0.98 (24.8)	2.60 (65.9)	1.85 (46.9)
	1/4" ID	6.4mm ID	LQ4D17004LBLU		0.98 (24.8)	2.60 (65.9)	1.85 (46.9)
	3/8" ID	9.5mm ID	LQ4D17006LRED		0.98 (24.8)	2.69 (68.2)	1.81 (46.0)
	3/8" ID	9.5mm ID	LQ4D17006LBLU		0.98 (24.8)	2.69 (68.2)	1.81 (46.0)
	1/4" ID	6.4mm ID	LQ4D17004RED		0.98 (24.8)	2.50 (63.4)	1.85 (46.9)
	1/4" ID	6.4mm ID	LQ4D17004BLU		0.98 (24.8)	2.50 (63.4)	1.85 (46.9)
	3/8" ID	9.5mm ID	LQ4D17006RED		0.98 (24.8)	2.50 (63.4)	1.85 (46.9)
	3/8" ID	9.5mm ID	LQ4D17006BLU		0.98 (24.8)	2.50 (63.4)	1.85 (46.9)
	1/4 SAE-4: 7/16-20 <sup>1</sup>		LQ4D30004RED	13/16"	0.98 (24.8)	2.21 (56.0)	1.85 (46.9)
	1/4 SAE-4: 7/16-20 <sup>1</sup>		LQ4D30004BLU	13/16"	0.98 (24.8)	2.21 (56.0)	1.85 (46.9)
	3/8 SAE-6: 9/16-18 <sup>1</sup>		LQ4D30006RED	13/16"	0.98 (24.8)	2.24 (56.8)	1.85 (46.9)
	3/8 SAE-6: 9/16-18 <sup>1</sup>		LQ4D30006BLU	13/16"	0.98 (24.8)	2.24 (56.8)	1.85 (46.9)
	1/4" NPT		LQ4D10004RED	13/16"	0.98 (24.8)	2.35 (59.6)	1.85 (46.9)
	1/4" NPT		LQ4D10004BLU	13/16"	0.98 (24.8)	2.35 (59.6)	1.85 (46.9)
	3/8" NPT		LQ4D10006RED	13/16"	0.98 (24.8)	2.35 (59.6)	1.85 (46.9)
	3/8" NPT		LQ4D10006BLU	13/16"	0.98 (24.8)	2.35 (59.6)	1.85 (46.9)
	1/4" ID x 3/8" OD		LQ4D13006RED	13/16"	0.98 (24.8)	2.50 (63.4)	1.85 (46.9)
	1/4" ID x 3/8" OD		LQ4D13006BLU	13/16"	0.98 (24.8)	2.50 (63.4)	1.85 (46.9)
	G1/4 <sup>2</sup>		LQ4D31004RED	20mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)
	G1/4 <sup>2</sup>		LQ4D31004BLU	20mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)
	G3/8 <sup>2</sup>		LQ4D31006RED	22mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)
	G3/8 <sup>2</sup>		LQ4D31006BLU	22mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)

## COUPLING INSERTS - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
	1/4" ID	6.4mm ID	LQ4D22004LRED		0.80 (20.3)	2.44 (62.1)	0.63 (16.0)
	1/4" ID	6.4mm ID	LQ4D22004LBLU		0.80 (20.3)	2.44 (62.1)	0.63 (16.0)
	3/8" ID	9.5mm ID	LQ4D22006LRED		0.80 (20.3)	2.53 (64.4)	0.59 (15.1)
	3/8" ID	9.5mm ID	LQ4D22006LBLU		0.80 (20.3)	2.53 (64.4)	0.59 (15.1)
	1/4" ID	6.4mm ID	LQ4D22004RED		0.80 (20.3)	2.34 (59.5)	0.63 (16.0)
	1/4" ID	6.4mm ID	LQ4D22004BLU		0.80 (20.3)	2.34 (59.5)	0.63 (16.0)
	3/8" ID	9.5mm ID	LQ4D22006RED		0.80 (20.3)	2.34 (59.5)	0.63 (16.0)
	3/8" ID	9.5mm ID	LQ4D22006BLU		0.80 (20.3)	2.34 (59.5)	0.63 (16.0)
	1/4 SAE-4: 7/16-20 <sup>1</sup>		LQ4D46004RED	13/16"	0.88 (22.4)	2.05 (52.2)	0.63 (16.0)
	1/4 SAE-4: 7/16-20 <sup>1</sup>		LQ4D46004BLU	13/16"	0.88 (22.4)	2.05 (52.2)	0.63 (16.0)
	3/8 SAE-6: 9/16-18 <sup>1,3</sup>		LQ4D46006RED	11/16"	0.75 (19.1)	1.65 (41.8)	0.19 (4.8)
	3/8 SAE-6: 9/16-18 <sup>1,3</sup>		LQ4D46006BLU	11/16"	0.75 (19.1)	1.65 (41.8)	0.19 (4.8)
	1/4" NPT		LQ4D24004RED	13/16"	0.88 (22.4)	2.19 (55.7)	0.63 (16.0)
	1/4" NPT		LQ4D24004BLU	13/16"	0.88 (22.4)	2.19 (55.7)	0.63 (16.0)
	3/8" NPT		LQ4D24006RED	13/16"	0.88 (22.4)	2.19 (55.7)	0.63 (16.0)
	3/8" NPT		LQ4D24006BLU	13/16"	0.88 (22.4)	2.19 (55.7)	0.63 (16.0)
	1/4" ID x 3/8" OD		LQ4D20006RED	13/16"	0.88 (22.4)	2.34 (59.5)	0.63 (16.0)
	1/4" ID x 3/8" OD		LQ4D20006BLU	13/16"	0.88 (22.4)	2.34 (59.5)	0.63 (16.0)
	G1/4 <sup>2</sup>		LQ4D47004RED	20mm	0.85 (21.6)	2.13 (54.2)	0.67 (17.0)
	G1/4 <sup>2</sup>		LQ4D47004BLU	20mm	0.85 (21.6)	2.13 (54.2)	0.67 (17.0)
	G3/8 <sup>2,3</sup>		LQ4D47006RED	22mm	0.93 (23.6)	1.66 (42.0)	0.19 (4.8)
	G3/8 <sup>2,3</sup>		LQ4D47006BLU	22mm	0.93 (23.6)	1.66 (42.0)	0.19 (4.8)

For FKM seal option, add V suffix to part number. Example: LQ4D30006BLUV

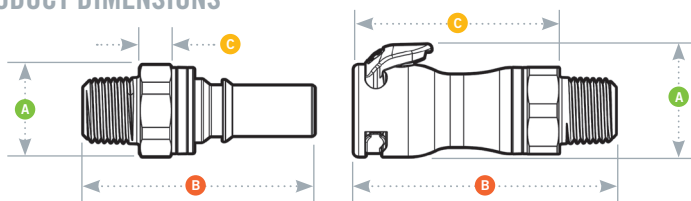
For FVMQ seal option, add FLS suffix to part number. Example: LQ4D30006BLUFLS

<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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