

EVERIS® LQ4S SERIES CONNECTOR

Everis® LQ4S Series quick disconnect couplings

Offering a notable 1/4" flow relative to external dimensions, the couplings' patented design offers reliable long-term connections and dry break to protect sensitive equipment. EPDM seals are standard. For other seal options or terminations, contact CPC.



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 167°F (-40°C to 75°C)

MAXIMUM FLOW AT DISCONNECT:

3.0 gal/min, 11.3L/min at 0 – 120 psi

MATERIALS:

Main Components:

Stainless Steel 303/304

Valves and Thumb Latch: Polyphenylsulfone (PPSU)

Valve Springs (wetted): Stainless steel

External Spring: Stainless steel

Seals: EPDM

Compliance: RoHS, REACH

COLOR:

Steel with Black, 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

INCLUSION: <0.025 cc per connect

FLOW COEFFICIENT:

Cv~1.4 Max (1.210 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's products in their own application conditions.

FEATURES

Dry break, non-spill valves

Redundant multi-lobed seals

High flow capacity with low pressure drop

EPDM seals

Ergonomic body and latch design

Color coding

Low profile

Barbed and threaded terminations

BENEFITS

Disconnect under pressure with no spills

Extra protection from leak-causing contaminants and debris

Efficient, cost-effective cooling system

Compatibility with common coolants and application temperatures

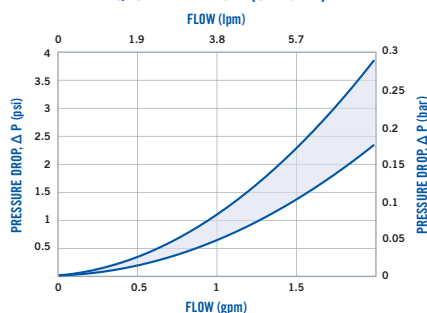
Simple intuitive one handed operation and audible click signals secure connection

Instant visual identification of cooling lines

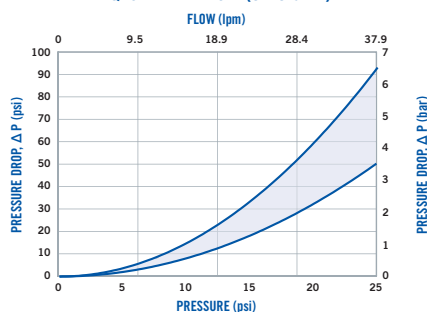
Meets size requirements for space-constrained electronics

System design flexibility, including providing options

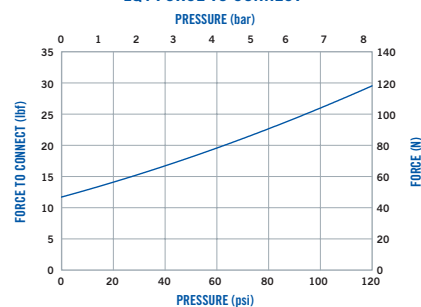
LQ4S WATER FLOW (0-2 GPM)



LQ4S 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.



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EVERIS® LQ4S SERIES DIMENSIONS

COUPLING BODIES - Stainless steel

	TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B	C
	IN-LINE HOSE BARB	1/4" ID	6.4mm ID	LQ4SD17004	0.97 (24.6)	2.50 (63.5)	1.85 (47.0)
		1/4" ID	6.4mm ID	LQ4SD17004BLU	0.97 (24.6)	2.50 (63.5)	1.85 (47.0)
		1/4" ID	6.4mm ID	LQ4SD17004RED	0.97 (24.6)	2.50 (63.5)	1.85 (47.0)
	IN-LINE LOCKING HOSE BARB	1/4" ID	6.4mm ID	LQ4SD17004L	0.97 (24.6)	2.60 (66.0)	1.85 (47.0)
		1/4" ID	6.4mm ID	LQ4SD17004LBLU	0.97 (24.6)	2.60 (66.0)	1.85 (47.0)
		1/4" ID	6.4mm ID	LQ4SD17004LRED	0.97 (24.6)	2.60 (66.0)	1.85 (47.0)
		3/8" ID	9.5mm ID	LQ4SD17006L	0.97 (24.6)	2.71 (68.8)	1.83 (46.5)
		3/8" ID	9.5mm ID	LQ4SD17006LBLU	0.97 (24.6)	2.71 (68.8)	1.83 (46.5)
		3/8" ID	9.5mm ID	LQ4SD17006LRED	0.97 (24.6)	2.71 (68.8)	1.83 (46.5)

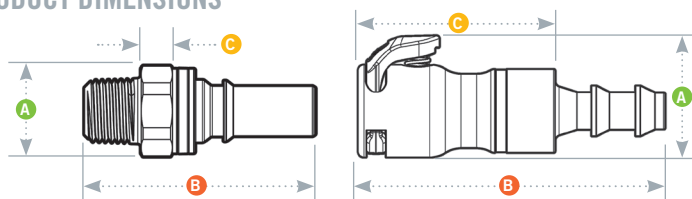
COUPLING INSERTS - Stainless steel

	TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B	C
	IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6: 9/16-18 ¹	6.4mm ID	LQ4SD46006	0.74 (18.8)	2.44 (62.0)	0.19 (4.8)
	IN-LINE G THREAD (BSPP)	G3/8	6.4mm ID	LQ4SD47006	0.74 (18.8)	2.44 (62.0)	0.19 (4.8)

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

¹All SAE terminations are compatible with SAE J1926-1 ports.

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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