

# 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)

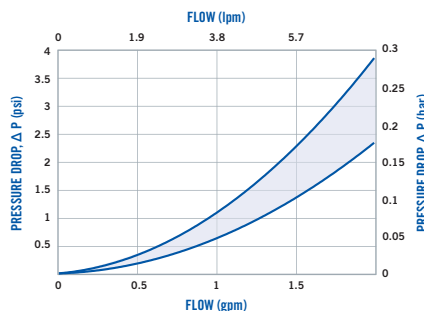
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

## FEATURES

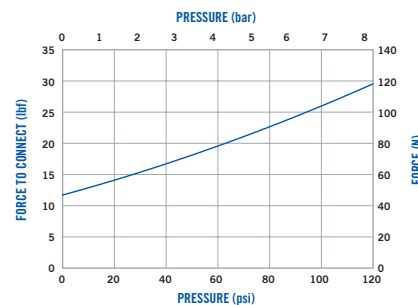
- Dry break, non-spill valves → Disconnect under pressure with no spills
- Redundant multi-lobed seals → Extra protection from leak-causing contaminants and debris
- High flow capacity with low pressure drop → Efficient, cost-effective cooling system
- EPDM seals → Compatibility with common coolants and application temperatures
- Ergonomic body and latch design → Simple intuitive one handed operation and audible click signals secure connection
- Color coding → Instant visual identification of cooling lines
- Low profile → Meets size requirements for space-constrained electronics
- Barbed and threaded terminations → System design flexibility, including providing options

## BENEFITS

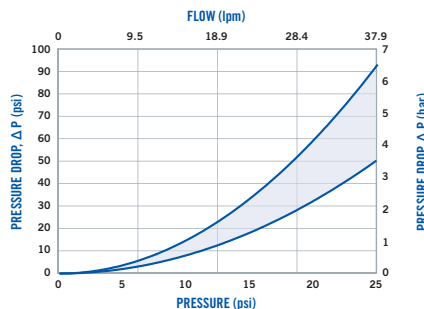
LQ4S WATER FLOW (0-2 GPM)



LQ4 FORCE TO CONNECT



LQ4S WATER FLOW (0-10 GPM)





*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.*





# 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)

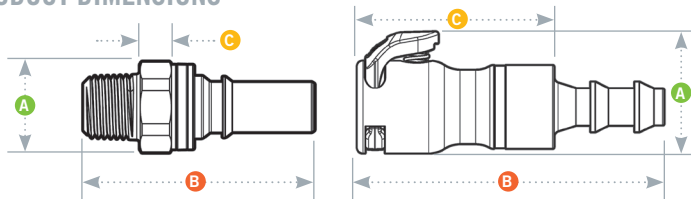
## COUPLING INSERTS - Stainless steel

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B	C
 IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6: 9/16-18 <sup>1</sup>	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

<sup>1</sup>All 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.

**CPC流体连接器中国签约经销商：西安嘉岳自动化技术有限公司**

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