

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

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)

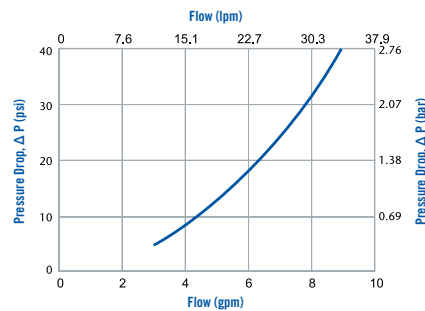
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES

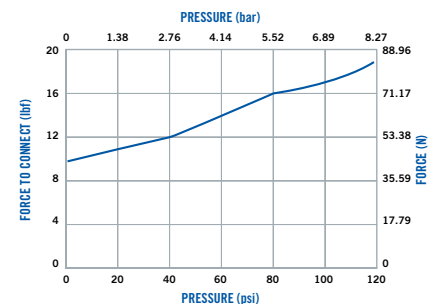
- Non-spill valve → Disconnect under pressure with no spills
- Redundant multi-lobed seals → Extra protection from leak-causing contaminants and debris
- High flow capacity with low pressure drop → Efficient, cost-effective cooling system
- EPDM, FKM or FVMQ seals → Compatibility with common coolants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

LQ4 WATER FLOW (0-10 GPM)

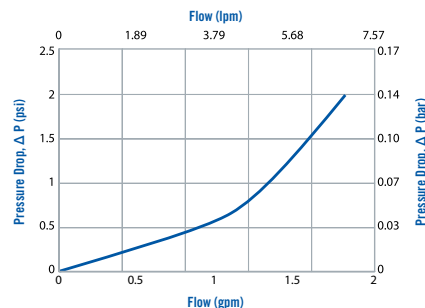


LQ4 FORCE TO CONNECT



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.







LQ4 WATER FLOW (0-2 GPM)









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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
	IN-LINE LOCKING HOSE BARB	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)	
	IN-LINE HOSE BARB	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)	
	IN-LINE STRAIGHT THREAD SAE	1/4 SAE-4: 7/16-20 ¹		LQ4D30004RED	13/16"	0.98 (24.8)	2.21 (56.0)
	1/4 SAE-4: 7/16-20 ¹		LQ4D30004BLU	13/16"	0.98 (24.8)	2.21 (56.0)	1.85 (46.9)
	3/8 SAE-6: 9/16-18 ¹		LQ4D30006RED	13/16"	0.98 (24.8)	2.24 (56.8)	1.85 (46.9)
	3/8 SAE-6: 9/16-18 ¹		LQ4D30006BLU	13/16"	0.98 (24.8)	2.24 (56.8)	1.85 (46.9)
	IN-LINE PIPE THREAD	1/4" NPT		LQ4D10004RED	13/16"	0.98 (24.8)	2.35 (59.6)
	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)
	IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D13006RED	13/16"	0.98 (24.8)	2.50 (63.4)
	1/4" ID x 3/8" OD		LQ4D13006BLU	13/16"	0.98 (24.8)	2.50 (63.4)	1.85 (46.9)
	IN-LINE THREAD G / BSPP	G1/4 ²		LQ4D31004RED	20mm	0.98 (24.8)	2.29 (58.0)
	G1/4 ²		LQ4D31004BLU	20mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)
	G3/8 ²		LQ4D31006RED	22mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)
	G3/8 ²		LQ4D31006BLU	22mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)

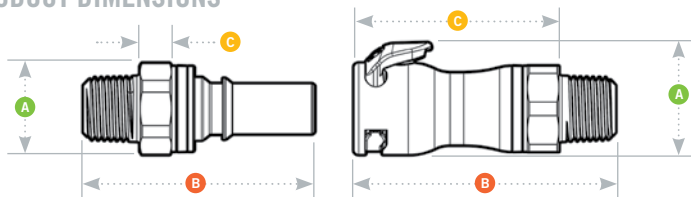
COUPLING INSERTS - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
	IN-LINE LOCKING HOSE BARB	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)	
	IN-LINE HOSE BARB	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)	
	IN-LINE STRAIGHT THREAD SAE	1/4 SAE-4: 7/16-20 ¹		LQ4D46004RED	13/16"	0.88 (22.4)	2.05 (52.2)
	1/4 SAE-4: 7/16-20 ¹		LQ4D46004BLU	13/16"	0.88 (22.4)	2.05 (52.2)	0.63 (16.0)
	3/8 SAE-6: 9/16-18 ^{1,3}		LQ4D46006RED	11/16"	0.75 (19.1)	1.65 (41.8)	0.19 (4.8)
	3/8 SAE-6: 9/16-18 ^{1,3}		LQ4D46006BLU	11/16"	0.75 (19.1)	1.65 (41.8)	0.19 (4.8)
	IN-LINE PIPE THREAD	1/4" NPT		LQ4D24004RED	13/16"	0.88 (22.4)	2.19 (55.7)
	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)
	IN-LINE PTF	1/4" ID x 3/8" OD		LQ4D20006RED	13/16"	0.88 (22.4)	2.34 (59.5)
	1/4" ID x 3/8" OD		LQ4D20006BLU	13/16"	0.88 (22.4)	2.34 (59.5)	0.63 (16.0)
	IN-LINE STRAIGHT THREAD G / BSPP	G1/4 ²		LQ4D47004RED	20mm	0.85 (21.6)	2.13 (54.2)
	G1/4 ²		LQ4D47004BLU	20mm	0.85 (21.6)	2.13 (54.2)	0.67 (17.0)
	G3/8 ^{2,3}		LQ4D47006RED	22mm	0.93 (23.6)	1.66 (42.0)	0.19 (4.8)
	G3/8 ^{2,3}		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

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.