

EVERIS® LQ2 SERIES CONNECTOR

Everis® LQ2 Series quick disconnect couplings with 1/8" flow are designed for liquid cooling applications. With a small form factor for tight spaces, Everis LQ2 connectors offer a 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 and dielectric coolants. For other material and termination options, see your regional CPC sales representative.



SPECIFICATIONS

PRESSURE: Vacuum to 200 psi, 13.8 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:

1.00 gal/min at 0 – 100 psi

0.25 gal/min at 101 – 200 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" ID (6.4mm ID)

LUBRICANTS: Krytox® PFPE

SPILLAGE:

<0.015 cc per disconnect at 0 psi

<0.063 cc per disconnect rated at 200 psi

AIR INCLUSION: <0.04 cc per connect

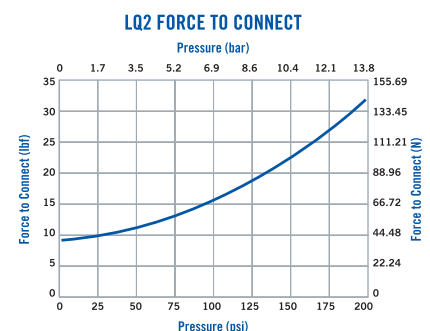
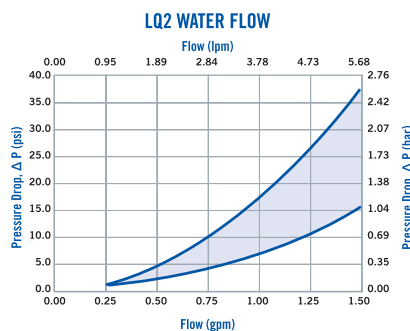
FLOW COEFFICIENT: Cv ~0.4 (0.3 Kv)

*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 |
| 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 |



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® LQ2 SERIES DIMENSIONS

COUPLING BODIES - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C	D
	1/4" ID	6.4mm ID	LQ2D1704LRED		0.82 (20.9)	2.09 (53.1)	1.34 (34.0)	
			LQ2D1704LBLU		0.82 (20.9)	2.09 (53.1)	1.34 (34.0)	
	1/4 SAE-4: 7/16-20 ¹		LQ2D3004RED	9/16"	0.82 (20.9)	1.72 (43.6)	1.34 (34.0)	
			LQ2D3004BLU	9/16"	0.82 (20.9)	1.72 (43.6)	1.34 (34.0)	
	1/4" ID	6.4mm ID	LQ2D3304LRED		0.79 (20.1)	1.64 (41.5)	1.64 (41.5)	1.03 (26.2)
			LQ2D3304LBLU		0.79 (20.1)	1.64 (41.5)	1.64 (41.5)	1.03 (26.2)
	G1/8 ²		LQ2D3102RED	15mm	0.82 (20.9)	1.67 (42.5)	1.39 (35.3)	
			LQ2D3102BLU	15mm	0.82 (20.9)	1.67 (42.5)	1.39 (35.3)	

COUPLING INSERTS - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C	D
	1/4" ID	6.4mm ID	LQ2D2204LRED		0.56 (14.3)	1.96 (49.8)	0.44 (11.2)	
			LQ2D2204LBLU		0.56 (14.3)	1.96 (49.8)	0.44 (11.2)	
	1/4 SAE-4: 7/16-20 ^{1,3}		LQ2D4604RED	9/16"	0.56 (14.3)	1.28 (32.4)	0.15 (3.8)	
			LQ2D4604BLU	9/16"	0.56 (14.3)	1.28 (32.4)	0.15 (3.8)	
	1/4" ID	6.4mm ID	LQ2D2304LRED		0.56 (14.3)	1.51 (38.2)	0.74 (18.7)	1.03 (26.2)
			LQ2D2304LBLU		0.56 (14.3)	1.51 (38.2)	0.74 (18.7)	1.03 (26.2)
	G1/8 ^{2,3}		LQ2D4702RED	15mm	0.59 (15.0)	1.20 (30.5)	0.15 (3.8)	
			LQ2D4702BLU	15mm	0.59 (15.0)	1.20 (30.5)	0.15 (3.8)	

All measurements are in inches (millimeters) unless otherwise noted.

For FKM seal option, add V suffix to part number. Example: LQ2D3004REDV

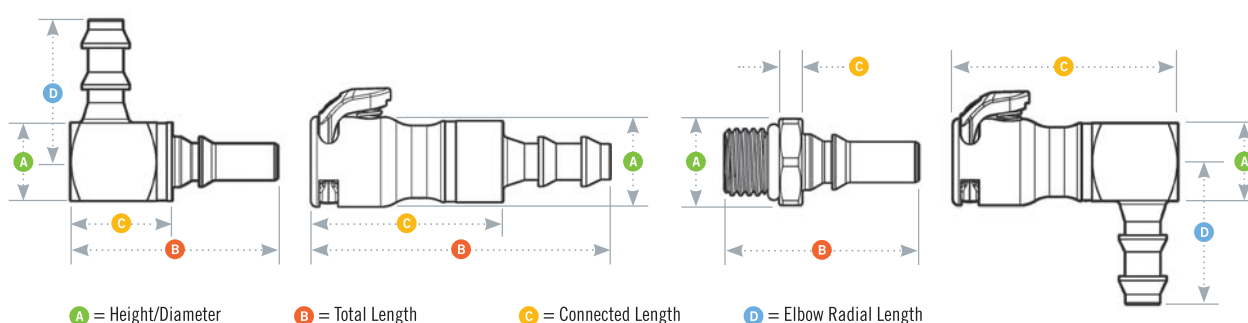
For FVMQ seal option, add FLS suffix to part number. Example: LQ2D3004REDFLS

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



SCAN

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DID YOU KNOW

“Spillage” can be easily misconstrued. Depending upon flow size, a typical QD will emit less than 0.02 cc of fluid, which often equates to a wetted surface on the face of the connector.

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)

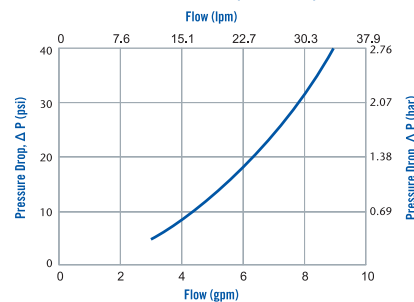
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES

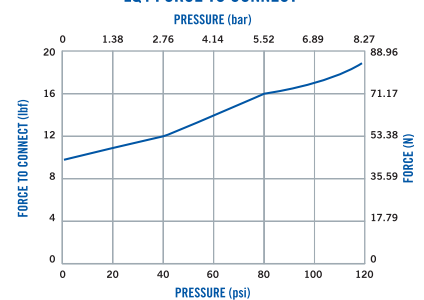
- Non-spill valve → Disconnect under pressure with no spills
- Redundant multi-lobed seals → Extra protection from leak-causing contaminants and debris
- High flow capacity with low pressure drop → Efficient, cost-effective cooling system
- EPDM, FKM or FVMQ seals → Compatibility with common coolants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

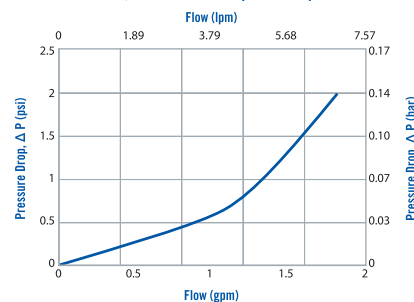
LQ4 WATER FLOW (0-10 GPM)



LQ4 FORCE TO CONNECT



LQ4 WATER FLOW (0-2 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.



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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)	1.85 (46.9)
		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)	1.85 (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)
	IN-LINE PTF	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)
	IN-LINE THREAD G / BSPP	G1/4 ²		LQ4D31004RED	20mm	0.98 (24.8)	2.29 (58.0)	1.89 (47.9)
		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)	0.63 (16.0)
		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)	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)
	IN-LINE PTF	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)
	IN-LINE STRAIGHT THREAD G / BSPP	G1/4 ²		LQ4D47004RED	20mm	0.85 (21.6)	2.13 (54.2)	0.67 (17.0)
		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

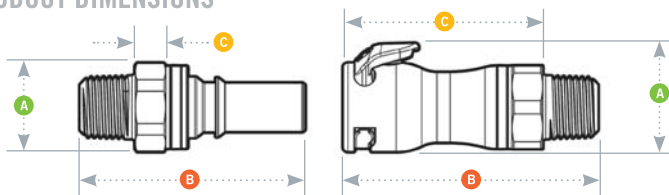
For FVMQ seal option, add FLS suffix to part number. Example: LQ4D30006BLUFLS

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.

EVERIS® LQ6 SERIES CONNECTOR

Everis® 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:

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:

3/8" to 1/2" ID, 9.5mm to 12.7mm ID

LUBRICANTS: Krytox® 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: $C_v \sim 2.2$ (1.9 Kv)

*FVMQ seal option extends operating temperature to -40°F (-40°C)

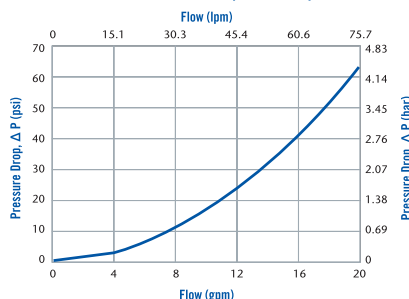
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES

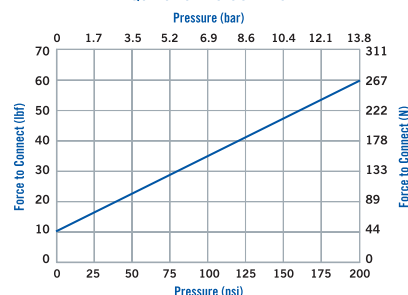
- Non-spill valve → Disconnect under pressure with no spills
- Redundant multi-lobed seals → Extra protection from leak-causing contaminants and debris
- High flow capacity with low pressure drop → Efficient, cost-effective cooling system
- EPDM, FKM or FVMQ seals → Compatibility with common coolants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

EVERIS® LQ6 SERIES DIMENSIONS

COUPLING BODIES - Nickel-chrome plated brass

	TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
	IN-LINE LOCKING HOSE BARB	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)
	IN-LINE HOSE BARB	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)
	IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6: 9/16-18 ¹		LQ6D30006RED	1"	1.19 (30.1)	2.47 (62.7)	2.08 (52.8)
		3/8 SAE-6: 9/16-18 ¹		LQ6D30006BLU	1"	1.19 (30.1)	2.47 (62.7)	2.08 (52.8)
		1/2 SAE-8: 3/4-16 ¹		LQ6D30008RED	1"	1.19 (30.1)	2.52 (64.0)	2.08 (52.9)
		1/2 SAE-8: 3/4-16 ¹		LQ6D30008BLU	1"	1.19 (30.1)	2.52 (64.0)	2.08 (52.9)
	IN-LINE PIPE THREAD	3/8" NPT		LQ6D10006RED	1"	1.19 (30.1)	2.58 (65.5)	2.08 (52.8)
		3/8" NPT		LQ6D10006BLU	1"	1.19 (30.1)	2.58 (65.5)	2.08 (52.8)
	IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D13008RED	1"	1.19 (30.1)	2.91 (73.9)	2.09 (53.0)
		3/8" ID x 1/2" OD		LQ6D13008BLU	1"	1.19 (30.1)	2.91 (73.9)	2.09 (53.0)
	IN-LINE THREAD G / BSPP	G3/8 ²		LQ6D31006RED	26mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)
		G3/8 ²		LQ6D31006BLU	26mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)
		G1/2 ²		LQ6D31008RED	26mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)
		G1/2 ²		LQ6D31008BLU	26mm	1.19 (30.1)	2.59 (67.3)	2.15 (54.6)

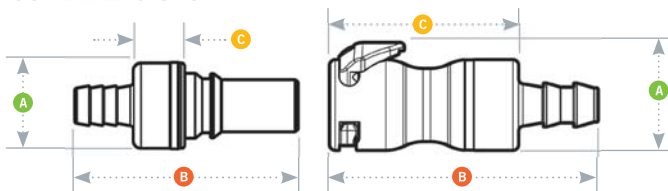
COUPLING INSERTS - Nickel-chrome plated brass

	TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
	IN-LINE LOCKING HOSE BARB	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)
	IN-LINE HOSE BARB	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)
	IN-LINE STRAIGHT THREAD PORT SAE	3/8 SAE-6: 9/16-18 ¹		LQ6D46006RED	1"	1.10 (27.9)	2.30 (58.4)	0.65 (16.4)
		3/8 SAE-6: 9/16-18 ¹		LQ6D46006BLU	1"	1.10 (27.9)	2.30 (58.4)	0.65 (16.4)
		1/2 SAE-8: 3/4-16 ^{1,3}		LQ6D46008RED	7/8"	1.10 (27.9)	1.95 (49.6)	0.25 (6.4)
		1/2 SAE-8: 3/4-16 ^{1,3}		LQ6D46008BLU	7/8"	1.10 (27.9)	1.95 (49.6)	0.25 (6.4)
	IN-LINE PIPE THREAD	3/8" NPT		LQ6D24006RED	1"	1.10 (27.9)	2.41 (61.2)	0.65 (16.4)
		3/8" NPT		LQ6D24006BLU	1"	1.10 (27.9)	2.41 (61.2)	0.65 (16.4)
	IN-LINE PTF	3/8" ID x 1/2" OD		LQ6D20008RED	1"	1.10 (27.9)	2.74 (69.6)	0.65 (16.6)
		3/8" ID x 1/2" OD		LQ6D20008BLU	1"	1.10 (27.9)	2.74 (69.6)	0.65 (16.6)
	IN-LINE THREAD G / BSPP	G3/8 ²		LQ6D47006RED	26mm	1.12 (28.4)	2.42 (61.5)	0.72 (18.2)
		G3/8 ²		LQ6D47006BLU	26mm	1.12 (28.4)	2.42 (61.5)	0.72 (18.2)
		G1/2 ^{2,3}		LQ6D47008RED	26mm	1.12 (28.4)	2.04 (51.8)	0.28 (7.0)
		G1/2 ^{2,3}		LQ6D47008BLU	26mm	1.12 (28.4)	2.04 (51.8)	0.28 (7.0)

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

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.

EVERIS® LQ8 SERIES CONNECTOR

Everis® LQ8 Series quick disconnect couplings feature 1/2" flow for liquid cooling of electronics applications. Specifically designed for thermal management applications, Everis LQ8 connectors offer a high-flow capacity to optimize liquid cooling system performance. They provide ultra-reliable, dripless connections and disconnections for ease of use and peace of mind given proximity to sensitive or valuable equipment components. LQ8 quick disconnects (QDs) use a patented design which offers reliable long-term connections. EPDM seals are a standard for compatibility with glycol/water coolants. For other material and termination options contact CPC; sales representatives and applications engineers are available to assist with any questions you may have.



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)

MATERIALS:

Main Components: Nickel-chrome plated brass

Valves and thumb latch: Polyphenylsulfone (PPSU)

Valve Springs (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM

Compliance: RoHS, REACH

COLOR: Chrome with Black

TUBING SIZES: 5/8" ID (15.9 mm ID)

LUBRICANTS: Krytox® PFPE

FORCE TO CONNECT: 21 lbs. typical at 0 psi

SPILLAGE:

0.02 cc per disconnect rated at 0 psi

0.07 cc per disconnect rated at 60 psi

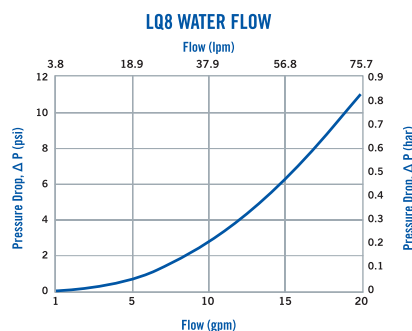
AIR INCLUSION: 0.60 cc per connect

FLOW COEFFICIENT: $C_v \sim 6.0$ (5.2 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 |
| EPDM seals | → | Compatibility with common coolants (e.g., glycol/water) |
| Ergonomic body and latch design | → | Simple, intuitive, one-handed operation |
| Audible click | → | Connection assurance |
| Low profile | → | Meets size requirements for space-constrained electronics applications |
| Single-piece options for insert and body | → | Space saving |



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.

DID YOU KNOW

Not all elastomers are compatible with all fluids used in liquid cooling. And low temperature seals may be needed for frigid environments.

EVERIS® LQ8 SERIES DIMENSIONS

COUPLING BODIES - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
 IN-LINE LOCKING HOSE BARB	5/8" ID	15.9 mm ID	LQ8D17010L		1.58 (40.1)	4.25 (108.0)	2.73 (69.3)
 IN-LINE STRAIGHT THREAD SAE	3/4 SAE-12: 1-1/16-12 ^{1,3}		LQ8D30012	1 - 1/4"	1.58 (40.1)	2.58 (65.6)	2.15 (54.6)
 IN-LINE STRAIGHT THREAD G / BSPP	G 3/4 ²		LQ8D31012		1.58 (40.1)	3.30 (83.8)	2.80 (71.1)

COUPLING INSERTS - Nickel-chrome plated brass

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	HEX	A	B	C
 IN-LINE LOCKING HOSE BARB	5/8" ID	15.9 mm ID	LQ8D22010L		1.30 (33.0)	4.00 (101.6)	0.80 (20.4)
 IN-LINE STRAIGHT THREAD SAE	3/4 SAE-12: 1-1/16-12 ^{1,3}		LQ8D46012	1 - 1/4"	1.30 (33.0)	2.40 (61.0)	0.22 (5.6)
 IN-LINE STRAIGHT THREAD G / BSPP	G 3/4 ^{2,3}		LQ8D47012	34mm	1.40 (35.6)	2.40 (61.0)	0.22 (5.6)

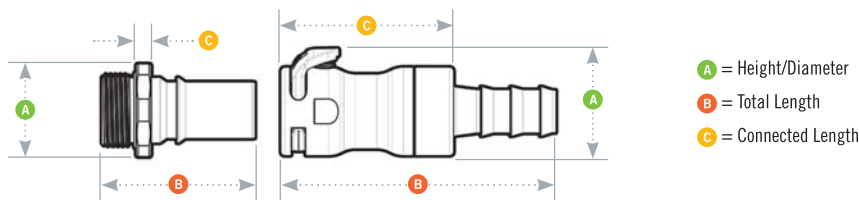
All measurements are in inches (millimeters) unless otherwise noted.

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



Why Chemical Compatibility is Critical

Download tech guide to learn about component material compatibility and liquid cooling system performance.



READ TECH GUIDE →



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