

EVERIS™ PLQ4 SERIES CONNECTOR



Everis™ PLQ4 Series liquid cooling connectors provide ultra-reliable, dripless connections and disconnections. They are purpose-built for liquid cooling of electronics applications and offer a high-flow capacity to optimize thermal management system performance. Made of PPSU, a high-performance, engineered thermoplastic, Everis PLQ4 connectors are lightweight, and not susceptible to galvanic corrosion. With an ergonomic thumb latch, Everis PLQ4 are easy to use. Everis PLQ4 quick disconnects incorporate CPC's patent-pending valve technology that is designed for long-term use with no spill upon disconnect.

FEATURES

Made of high-performance PPSU material

Non-spill valve design

High flow to size ratio with low pressure drop

Ergonomic body and latch design

Audible click upon connection

Barbed and threaded termination options

Robust product testing (product tested to 10,000 cycles), dimensional stability

BENEFITS

Lightweight, durable and chemically compatible with widely used liquid cooling fluids and UL94 V0 flame retardant

No drips during connection or disconnection

Increased cooling efficiency in small spaces

Simple, intuitive one-handed operation

Provides connection assurance

Meets preferences for mounting or tubing connections

High durability and reliability in long-use applications

Specifications

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

Operating: 0°F to 185°F (-17°C to 85°C)

Storage/Shipping:

-40°F to 240°F (-40°C to 115°C)

MATERIALS:

Main Components: Polyphenylsulfone PPSU

Valves and Thumb latch: PPSU

Valve Springs (wetted): Stainless steel

External spring: Stainless steel

Seals: EPDM

Seal Spacer: PTFE

Compliance: RoHS, REACH

COLOR:

Matte Black 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 at 0 psi

<0.055 cc per disconnect at 120 psi

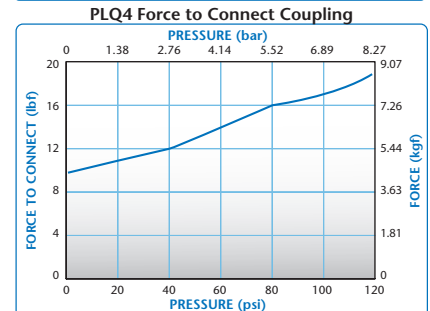
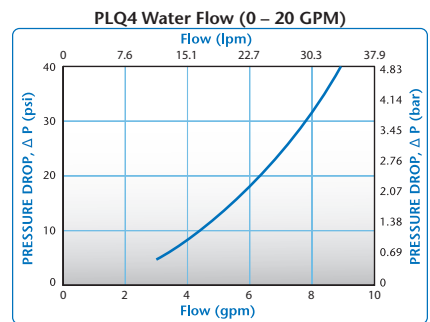
INCLUSION:

<0.55cc per connect

FLOW COEFFICIENT:

Cv ~ 1.37 (1.1Kv)

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.

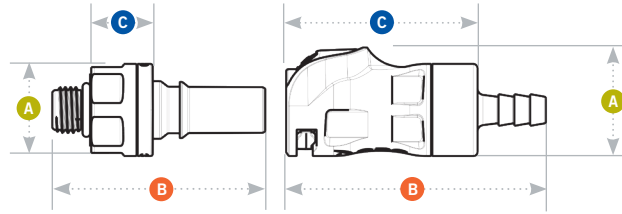


⚠ These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact CPC for flow of a particular coupling combination.

Visit us at cpcworldwide.com or call 800-444-2474 to get a free catalog or to find your local distributor.

EVERIS™ PLQ4 SERIES DIMENSIONS

A = Height/Diameter
B = Total Length
C = Connected Length



Coupling Bodies • POLYPHENYLSULFONE PPSU



TERMINATION IN-LINE HOSE BARB

TUBING/THREAD SIZE	METRIC EQ.	PART NUMBER	A	B	C	TORQUE ³
1/4" ID	6.4mm ID	PLQ4D17004BLU	1.03 (26.2mm)	2.47 (62.7mm)	1.83 (46.5mm)	N/A
1/4" ID	6.4mm ID	PLQ4D17004RED	1.03 (26.2mm)	2.47 (62.7mm)	1.83 (46.5mm)	N/A
3/8" ID	9.5mm ID	PLQ4D17006BLU	1.03 (26.2mm)	2.47 (62.7mm)	1.83 (46.5mm)	N/A
3/8" ID	9.5mm ID	PLQ4D17006RED	1.03 (26.2mm)	2.47 (62.7mm)	1.83 (46.5mm)	N/A

IN-LINE LOCKING HOSE BARB

3/8" ID	9.5mm ID	PLQ4D17006LBLU	1.03 (26.2mm)	2.69 (68.3mm)	1.83 (46.5mm)	N/A
3/8" ID	9.5mm ID	PLQ4D17006LRED	1.03 (26.2mm)	2.69 (68.3mm)	1.83 (46.5mm)	N/A

IN-LINE STRAIGHT THREAD SAE

1/4 SAE-4: 7/16-20 ^{1,3}	N/A	PLQ4D30004BLU	1.03 (26.2mm)	2.19 (55.6mm)	1.83 (46.5mm)	12 lb-in
1/4 SAE-4: 7/16-20 ^{1,3}	N/A	PLQ4D30004RED	1.03 (26.2mm)	2.19 (55.6mm)	1.83 (46.5mm)	12 lb-in
3/8 SAE-6: 9/16-18 ^{1,3}	N/A	PLQ4D30006BLU	1.03 (26.2mm)	2.22 (56.4mm)	1.83 (46.5mm)	12 lb-in
3/8 SAE-6: 9/16-18 ^{1,3}	N/A	PLQ4D30006RED	1.03 (26.2mm)	2.22 (56.4mm)	1.83 (46.5mm)	12 lb-in



IN-LINE G THREAD (BSPP)

G 1/4 ^{2,3}	N/A	PLQ4D31004BLU	1.03 (26.16mm)	2.28 (57.9mm)	1.83 (48.3mm)	12 lb-in
G 1/4 ^{2,3}	N/A	PLQ4D31004RED	1.03 (26.16mm)	2.28 (57.9mm)	1.83 (48.3mm)	12 lb-in

Coupling Inserts • POLYPHENYLSULFONE PPSU

TERMINATION IN-LINE HOSE BARB

TUBING/THREAD SIZE	METRIC EQ.	PART NUMBER	A	B	C	TORQUE ³
1/4" ID	6.4mm ID	PLQ4D22004BLU	0.87 (22.10mm)	2.30 (58.4mm)	0.59 (15mm)	N/A
1/4" ID	6.4mm ID	PLQ4D22004RED	0.87 (22.10mm)	2.30 (58.4mm)	0.59 (15mm)	N/A
3/8" ID	9.5mm ID	PLQ4D22006BLU	0.87 (22.10mm)	2.30 (58.4mm)	0.59 (15mm)	N/A
3/8" ID	9.5mm ID	PLQ4D22006RED	0.87 (22.10mm)	2.30 (58.4mm)	0.59 (15mm)	N/A

IN-LINE LOCKING HOSE BARB

3/8" ID	9.5mm ID	PLQ4D22006LBLU	0.87 (22.10mm)	2.53 (64.3mm)	0.59 (15mm)	N/A
3/8" ID	9.5mm ID	PLQ4D22006LRED	0.87 (22.10mm)	2.53 (64.3mm)	0.59 (15mm)	N/A

IN-LINE STRAIGHT THREAD SAE

1/4 SAE-4: 7/16-20 ^{1,3}	N/A	PLQ4D46004BLU	0.87 (22.10mm)	2.02 (51.3mm)	0.59 (15mm)	12 lb-in
1/4 SAE-4: 7/16-20 ^{1,3}	N/A	PLQ4D46004RED	0.87 (22.10mm)	2.02 (51.3mm)	0.59 (15mm)	12 lb-in
3/8 SAE-6: 9/16-18 ^{1,3}	N/A	PLQ4D46006BLU	0.87 (22.10mm)	2.05 (52.1mm)	0.59 (15mm)	12 lb-in
3/8 SAE-6: 9/16-18 ^{1,3}	N/A	PLQ4D46006RED	0.87 (22.10mm)	2.05 (52.1mm)	0.59 (15mm)	12 lb-in



IN-LINE G THREAD (BSPP)

G 1/4 ^{2,3}	N/A	PLQ4D47004BLU	0.87 (22.10mm)	2.11 (53.6mm)	0.67 (17mm)	12 lb-in
G 1/4 ^{2,3}	N/A	PLQ4D47004RED	0.87 (22.10mm)	2.11 (53.6mm)	0.67 (17mm)	12 lb-in

Note:

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

²All G (BSPP) terminations are compatible with ISO 1179-1 ports.

³Do not exceed torque value due to potential damage to coupling. User should consider application factors such as mating material, media, temperature, etc. when implementing an installation torque specification for the product.



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We inspire confidence at every point of connection.

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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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