

EVERIS™ PLQ2 SERIES CONNECTOR



Everis™ PLQ2 Series liquid cooling connectors provide ultra-reliable, dripless connections and disconnections. Made of PPSU, a high-performance thermoplastic, the Everis PLQ2 connector is lightweight, not susceptible to galvanic corrosion and rated UL94 V0 flame retardant. With an ergonomic thumb latch, Everis PLQ2 fittings are easy to use. They are purpose-built for liquid cooling of electronics applications and offer a high-flow capacity to optimize thermal management system performance. Everis PLQ2 quick disconnects use CPC-developed 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 240°F (-17°C to 115°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" 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

INCLUSION:

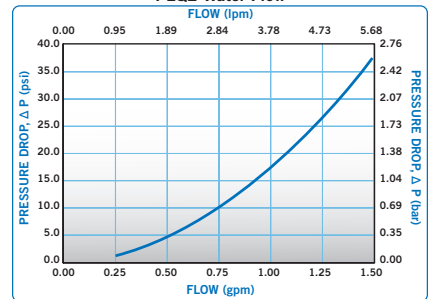
<0.063 cc per connect

FLOW COEFFICIENT:

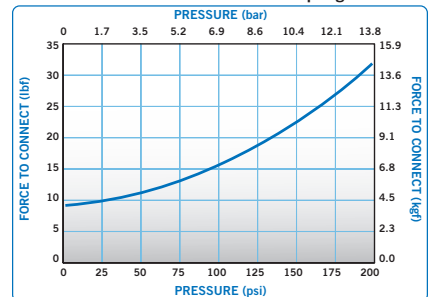
$C_v \sim 0.37$

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.

PLQ2 Water Flow



PLQ2 Force to Connect Coupling

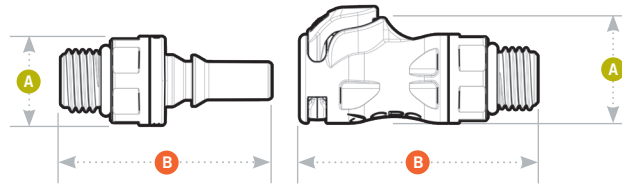


⚠ These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact CPC for flow of a particular coupling combination.

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

EVERIS™ PLQ2 SERIES DIMENSIONS

A = Height/Diameter
B = Total Length



Coupling Bodies • POLYPHENYLSULFONE PPSU



TERMINATION
IN-LINE LOCKING
HOSE BARB

TUBING/THREAD SIZE 1/4" ID
METRIC EQ. 6.4mm ID
PART NUMBER PLQ2D1704LRED
 PLQ2D1704LBLU

A 0.63
B 2.10

IN-LINE
STRAIGHT THREAD

TUBING/THREAD SIZE 1/4 SAE-4:7/16-20^{1,3}

METRIC EQ. N/A

PART NUMBER PLQ2D3004RED
 PLQ2D3004BLU

A 0.63
B 1.71

IN-LINE
G / BSPP

TUBING/THREAD SIZE G 1/8^{2,3}

METRIC EQ. N/A

PART NUMBER PLQ2D3102RED
 PLQ2D3102BLU

A 0.63
B 1.65

Coupling Inserts • POLYPHENYLSULFONE PPSU



TERMINATION
IN-LINE LOCKING
HOSE BARB

TUBING/THREAD SIZE 1/4" ID
METRIC EQ. 6.4mm ID
PART NUMBER PLQ2D2204LRED
 PLQ2D2204LBLU

A 0.63
B 1.91

IN-LINE
STRAIGHT THREAD

TUBING/THREAD SIZE 1/4 SAE-4:7/16-20^{1,3}

METRIC EQ. N/A

PART NUMBER PLQ2D4604RED
 PLQ2D4604BLU

A 0.63
B 1.52

IN-LINE
G / BSPP

TUBING/THREAD SIZE G 1/8^{2,3}

METRIC EQ. N/A

PART NUMBER PLQ2D4702RED
 PLQ2D4702BLU

A 0.63
B 1.46

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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Smart fluid handling to take you forward, faster.

cpcworldwide.com/ContactUs

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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