

# PLQ2 SERIES CONNECTOR



**The PLQ2 Series** provides ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed using a high-performance thermoplastic, the PLQ2 connector is lightweight, chemical resistant, UL94 V-0 flame retardant and easy to use—a perfect choice for liquid cooling of electronics applications. These innovative connectors offer a high-flow capacity to optimize thermal management system performance. The PLQ2 Series uses CPC-developed valve technology that eliminates drips and is designed to withstand long-term use.

## FEATURES

High-performance thermoplastic material

Designed specifically for liquid cooling applications

Low pressure drop

Robust product testing to ensure reliability

## BENEFITS

Lightweight, durable and chemically compatible with widely used liquid cooling fluids

Withstands continuous exposure to moisture with no risk of corrosion

Increases the efficiency of liquid cooling systems

Proven dimensional stability, chemical compatibility and product tested to 10,000 cycles

## Specifications ● ● ●

### PRESSURE:

Vacuum to 120 psi, 8.3 bar

### TEMPERATURE:

0°F to 240°F (-17°C to 115°C)

### MATERIALS:

**Main Components:** Polyphenylsulfone PPSU

**Valves and Thumb latch:** PPSU

**Valve Springs (wetted):** Stainless steel

**External springs and pin:** Stainless steel

**Seals:** EPDM

**Seal Spacer:** PTFE

**COLOR:** Matte Black with Cool Blue or Warm Red

### TUBING SIZES:

1/4" ID (6.4mm ID)

**LUBRICANTS:** Krytox® PFPE

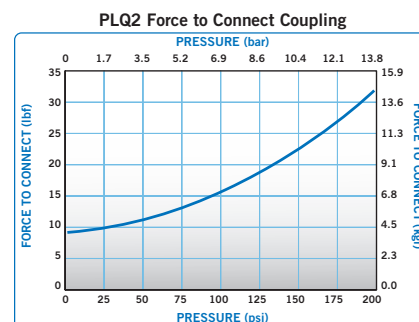
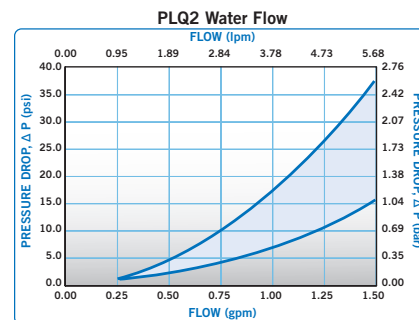
### SPILLAGE:

<0.015 cc per disconnect at 0 psi

<0.063 cc per disconnect rated at 200 psi

**INCLUSION:** <0.063 cc per connect

**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.

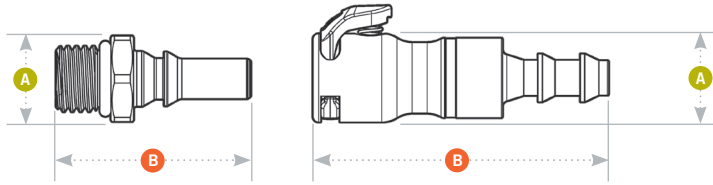


⚠ These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact CPC for flow of a particular coupling combination.

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# PLQ2 SERIES DIMENSIONS

**A** = Height/Diameter  
**B** = Total Length



## Coupling Bodies • POLYPHENYLSULFONE PPSU



TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE LOCKING HOSE BARB	1/4" ID	6.4mm ID	PLQ2D1704LRED PLQ2D1704LBLU	0.63	2.10
IN-LINE STRAIGHT THREAD PORT SAE	SAE-4	SAE 4	PLQ2D3004RED PLQ2D3004BLU	0.63	1.71
IN-LINE G/BSPP	G1/8	1/8 BSPP	PLQ2D3102RED PLQ2D3102BLU	0.63	1.65

## Coupling Inserts • POLYPHENYLSULFONE PPSU



TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE LOCKING HOSE BARB	1/4" ID	6.4mm ID	PLQ2D2204LRED PLQ2D2204LBLU	0.63	1.96
IN-LINE STRAIGHT THREAD PORT SAE	SAE-4	SAE 4	PLQ2D4604RED PLQ2D4604BLU	0.63	1.52
IN-LINE G/BSPP	G1/8	1/8 BSPP	PLQ2D4702RED PLQ2D4702BLU	0.63	1.46

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.



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**Smart fluid handling to take you forward, faster.**

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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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