



LIQUID COOLING CONNECTORS

THE **UNDISPUTED** LEADERS OF LIQUID COOLING CONNECTIONS.

Our masters of connectology have been delivering drip-free, worry-free quick disconnect couplings for liquid cooling of electronics for over 20 years. Our liquid cooling connectors are designed to protect valuable electronics with unmatched design, quality and reliability. We've engineered products for use in high performance computing, data centers, power inverters, transportation and other applications that require quality and performance for critical thermal management systems.





FEATURES THAT ARE UNDENIABLY COOL.

Our couplings are designed with features that deliver reliable and secure fluid connections.

Automatic non-spill shutoff valves. Keeps electronics safe by eliminating drips.

Multilobed seals. Offers an extra layer of protection against debris and contamination.

Multiple options. Complete selection of materials, configurations, sizes and valves.

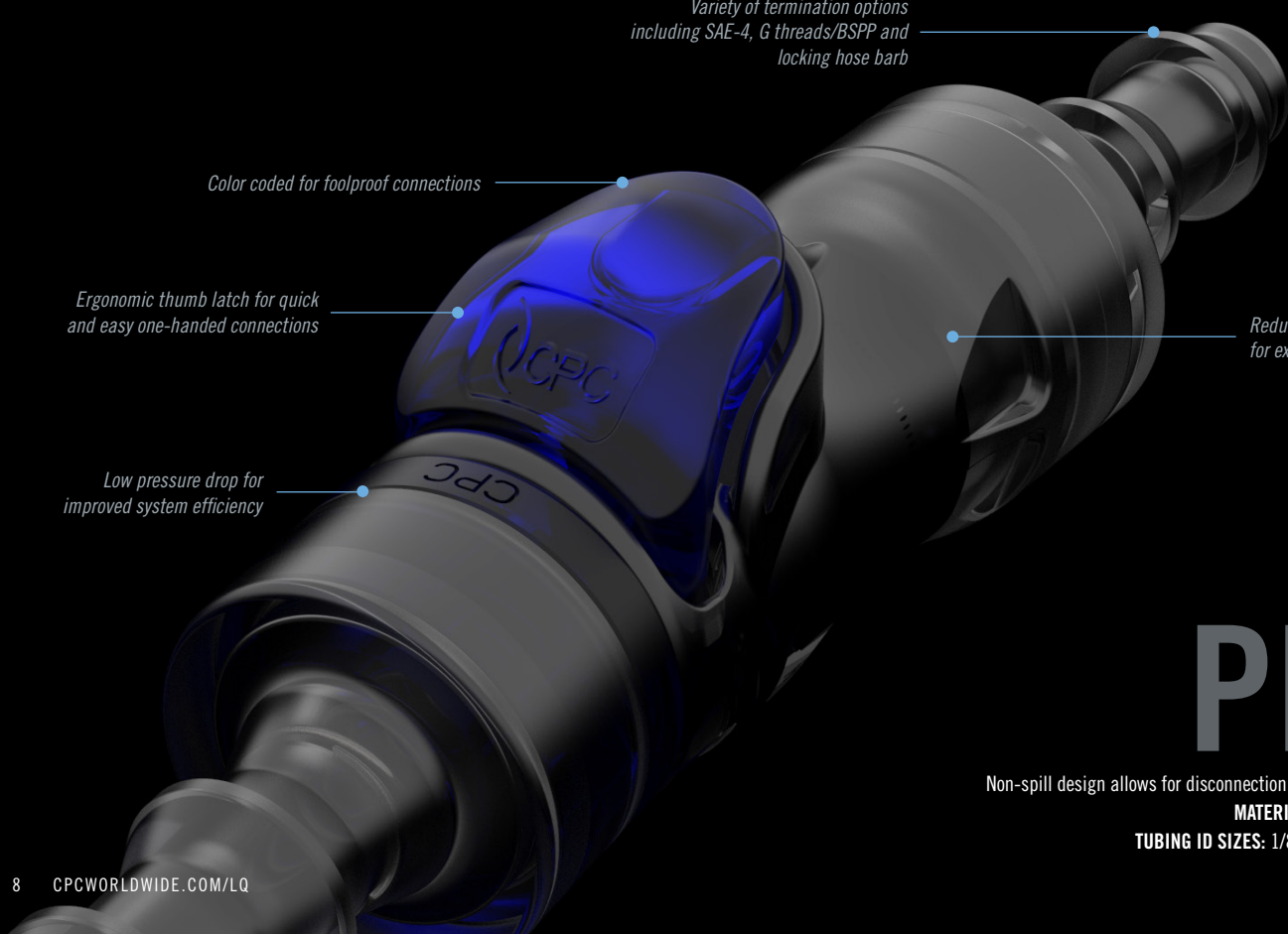
Custom solutions. We can meet unique application needs.

TORTURE TESTED AGAIN AND AGAIN AND AGAIN.

We want you to be absolutely confident in our liquid cooling connectors. That's why we are always testing them. It starts with materials testing, followed by product testing and then torture testing to failure. In addition to published validation reports, our connectors are designed and manufactured to meet the stringent ISO 9001 and ISO 13485 quality standards. All of which means you can rest easy knowing that CPC products will perform to their specifications and beyond. Our testing protocols include:

**HELIUM MASS SPECTROMETER LEAK TESTING / BUBBLE LEAK TESTING
PRESSURE DECAY TESTING / HYDROSTATIC LEAK TESTING / AND MORE**





*Variety of termination options
including SAE-4, G threads/BSPP and
locking hose barb*

Color coded for foolproof connections

*Ergonomic thumb latch for quick
and easy one-handed connections*

*Low pressure drop for
improved system efficiency*

*Redundant, multilobed seals
for extra protection from debris*

PLQ2

Non-spill design allows for disconnection under pressure with no spills.

MATERIAL: Polyphenylsulfone (PPSU)

TUBING ID SIZES: 1/8" to 1/4" (3.2mm to 6.4mm)

THERMOPLASTIC IS SURPRISINGLY AWESOME.

The PLQ2 connectors are constructed from high performance thermoplastic—a material that was selected specifically for the rigors of thermal management.

No corrosion risk. Unlike metal, thermoplastic won't corrode. Ever.

No condensation. Plastic is a thermal insulator so condensation doesn't form.

Dimensionally stable. Will not deform under stress and is impact resistant.

Chemical compatibility. Compatible with engineered cooling fluids.

Lightweight. Doesn't add weight to your overall system.

OUR CONNECTORS PLAY NICE TOGETHER.

Compatible bodies and inserts offer mix-and-match flexibility.

Not only do we have a wide range of standard connections, but our masters of connectology never back down from a challenge. They'll work with you to create a custom solution for your application or system. We've partnered with engineers worldwide to develop liquid cooling solutions for a variety of applications. No matter the size, material or flow rate, we'll create a connection specifically for you.



LQ2

Provides ultra-reliable, drip-free connections and disconnections.

MATERIAL: Chrome-plated brass

TUBING ID SIZES: 1/4" (6.4mm)



LQ4

Liquid cooling non-spill coupling guarantees a secure, reliable connection and dripless disconnect.

MATERIAL: Chrome-plated brass

TUBING ID SIZES: 1/4" to 3/8" (6.4mm to 9.5mm)



LQ6

Liquid cooling non-spill coupling guarantees a secure, reliable connection and dripless disconnect.

MATERIAL: Chrome-plated brass

TUBING ID SIZES: 3/8" to 1/2" (9.5mm to 12.7mm)



NS212

Twist-to-connect design features non-spill valves designed to provide fast, safe and virtually leak-free fluid line connections.

MATERIAL: Glass-filled polypropylene

TUBING ID SIZES: 1/8" to 1/4" (3.2mm to 6.4mm)



NS4

Non-spill coupling that virtually eliminates spills, minimizes downtime and enhances operator safety.

MATERIAL: Glass-filled polypropylene, ABS

TUBING ID SIZES: 1/8" to 3/8" (3.2mm to 9.5mm)



NS6

Durable, yet lightweight construction that features non-spill valves and is compatible with many chemicals.

MATERIAL: Glass-filled polypropylene

TUBING ID SIZES: 3/8" and 1/2" (9.5mm and 12.7mm)



BLQ2

Latchless rack and panel liquid cooling non-spill coupling guarantees a secure, reliable connection and dripless disconnect.

MATERIAL: Chrome-plated brass

TUBING ID SIZES: 1/4" SAE (6.4mm)



LC

Durable and able to withstand higher pressure and temperature; easy one-hand connection and disconnection.

MATERIAL: Chrome-plated brass

TUBING ID SIZES: 1/4" to 3/8" (6.4mm to 9.5mm)



STRAIGHT-THROUGH



SINGLE SHUT-OFF



DOUBLE SHUT-OFF



NON-SPILL

LEGEND



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CPC PATENT STATEMENT: CPC takes pride in its innovative quick disconnect coupling and fittings solutions, many of which have been awarded United States and international patents. CPC has a strong tradition of leadership in the quick disconnect market, and aggressively pursues and protects its proprietary information and intellectual property. In cases where it is practical and has a benefit to its customers, CPC has licensed its proprietary technology. Please contact CPC to discuss your unique needs.

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