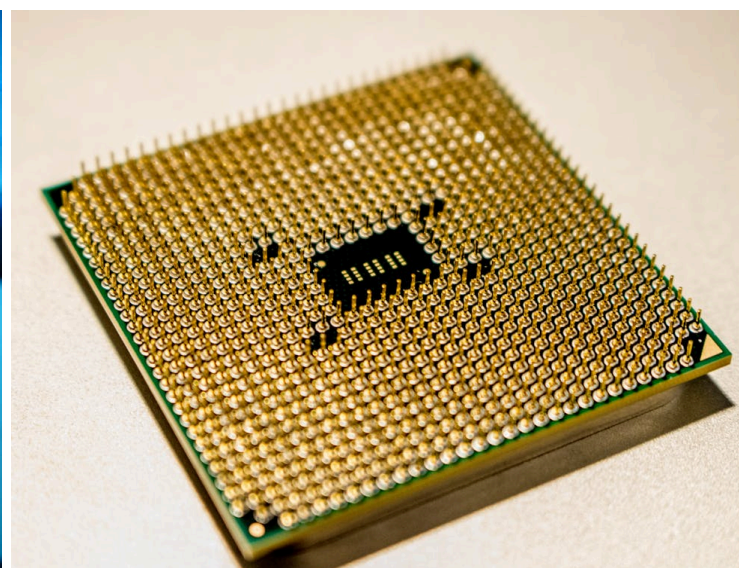
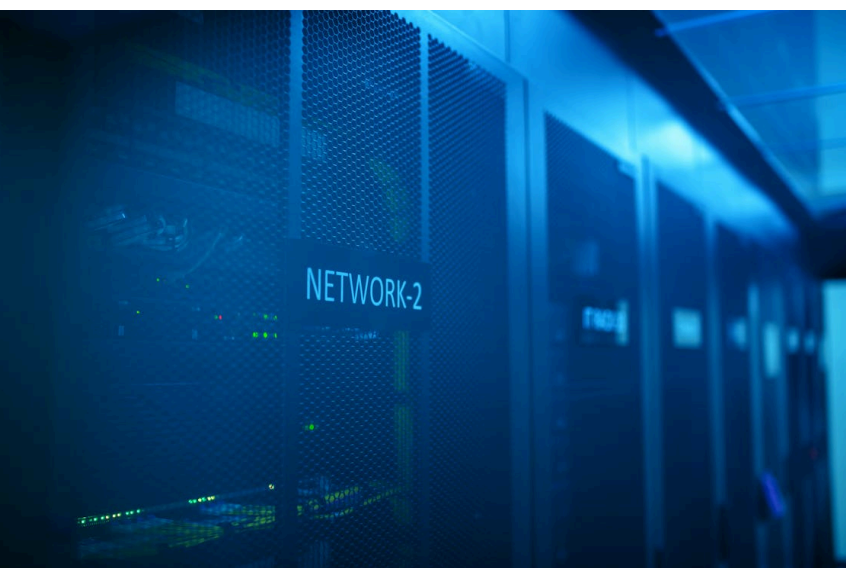


Products and Services for Thermal Management



VFV - Local Experts in Fluid Handling.

For nearly 60 years, VFV has been supporting Australian Industry in the manufacturing and development of fluid handling systems. Our work ranges from the extreme conditions of offshore energy projects, to precise and elegant liquid cooling systems, and even the unique sterility and cleanliness requirements of biopharmaceutical processing.

What you need.

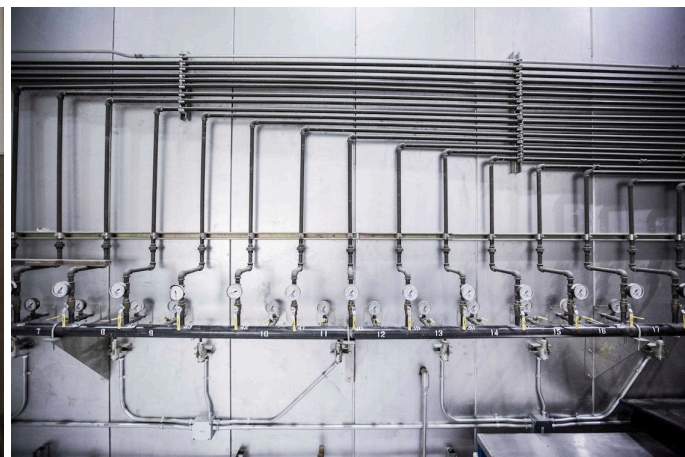
As fluid handling specialists, our product range serves one purpose - getting fluid from A to B with efficiency, safety and reliability. Beyond tubing and fittings, we supply valves, connectors, sensors and more that ensure your system is controlled, monitored, and a pleasure to operate.

When you need it.

We understand that having rapid access to the best solutions is critical, and that success is dependent on having expert and reliable partners throughout your supply chain. Let us take delays and stress off your shoulders with our local warehouse and expertise in international freight.

Where we are needed.

VFV is proudly Australian owned and operated, based in Melbourne's leafy East. Beyond the valuable insight into the Australian market this gives us, we are willing and capable to provide local support for a true partnership with you and your team.



Leak Free Connections.

CPC (Colder Products Company) have been designing and manufacturing connectors since 1978. The Everis™ range continues their legacy of industry leading innovation, quality, and reliability, with purpose-built connectors designed to handle the unique needs of liquid cooling applications. CPC's non-spill quick connect technology allows for fast and easy connection of hose and tubing without putting critical assets at risk.

Metal Quick Connect/Disconnect Couplings for Liquid Cooling - LQ

CPC's LQ2, LQ4, LQ6 and LQ8 ranges cover your non-spill quick connect requirements from ¼" to ½" of flow. Nickel-chrome plated brass construction provides toughness and resilience.



Key Features:

- Non-spill valve for drip free disconnection, even under pressures of up to 200psi.
- Redundant seals to protect from leak-causing contaminants and debris
- High flow with low pressure drop, increasing system efficiency.
- Seal material options for optimal compatibility with system coolant
- Ergonomic body and latch for simple and intuitive operation, even one handed.
- Audible 'CPC click' for connection assurance.
- Colour coding for visual line identification and designation.
- Swivel connection for easy positioning, latch use, and to reduce stress on tubing.

Terminations	Flow Path	Spillage per Disconnect*	Kv (Cv)
Locking Hose Barb	1/8" (LQ2)	<0.015ml at 0psi, <0.063ml at 200psi (LQ2)	~0.3(0.4)(LQ2)
Straight Thread SAE	1/4" (LQ4)	<0.025ml at 0psi, <0.055ml at 120psi (LQ4)	~1.2(1.4)(LQ4)
Straight Thread BSPP	3/8" (LQ6)	0.03ml at 0psi, 0.03ml at 120psi (LQ6)	~1.9(2.2)(LQ6)
Elbow Locking Barb (LQ2)	1/2" (LQ8)	0.02ml at 0psi, 0.07ml at 60psi (LQ8)	~5.2(6.0)(LQ8)

Information applies to all ranges when range is not specified.

**Spillage values can be difficult to visualise. A typical connector will emit less than 0.02ml of fluid outside of maximum flow, which can often only be observed as a damp surface on the mating face of the connector.*

Metal Blind Mate Connectors for Liquid Cooling - BLQ

CPC's BLQ range is engineered for liquid cooling systems that are part of a panel or manifold, like those found in a data centre server rack.



Key Features:

- Non-spill valve for drip free disconnection, even under pressures of up to 120psi.
- Redundant seals to protect from leak-causing contaminants and debris.
- Rugged construction for long term reliability.
- Axial engagement tolerance to allow full flow even when not fully engaged.
- Innovative valve design to enable extended lifetime in connected state.

Terminations	Flow Path	Spillage per Disconnect	Kv (Cv)
Straight Thread SAE	1/8" (BLQ2)	<0.015ml at 0psi, <0.063ml at 200psi (BLQ2)	~0.3(0.4)(BLQ2)
Straight Thread BSPP	1/4" (BLQ4)	<0.025ml at 0psi, <0.055ml at 120psi (BLQ4)	~1.2(1.4)(BLQ4)
(excluding. BLQ2)	3/8" (BLQ6)	<0.03ml at 0psi, <0.03ml at 120psi (BLQ6)	~1.9(2.2)(BLQ6)

Plastic Quick Connect/Disconnect Couplings for Liquid Cooling - PLQ

PLQ2 and PLQ4 couplings use the innovative technology of their metal counterparts in a lightweight and corrosion resistant plastic alternative.

High performance PPSU construction gives the durability and chemical compatibility for liquid cooling applications while still maintaining a sleek and lightweight design.

PLQ2 and PLQ4 connectors have the same spillage and flow rate performance as their metal counterparts and are available with the same range of threaded and barbed terminations.



Universal Quick Disconnect Couplings for Liquid Cooling - UQD(B)

Stainless steel fittings developed according to the OCP standard for liquid cooling of servers, CPC's 'Universal' range gives you the performance of their patented valve design with interoperability and seamless system integration front of mind.

The quick disconnect UQD02 and UQD04 series cover 1/8" and 1/4" flow paths respectively, with SAE threaded inserts and locking hose barb fitted coupling bodies. The UQDB04 is the blind mate option in this range, and is available with SAE threaded inserts and a 1/4" flow path.



Complete CPC Range

VFV offers the entire CPC range, including many other connectors that can be used in liquid cooling applications or adjacent systems.



LC Series: chrome-plated brass quick connects.

NS Series: plastic non-spill quick connects.

+ many more materials and styles.

Looking for something special?

Our sales team can help you find the perfect connector for your application. For applications with unique requirements, you may wish to consider a CPC custom connector designed to fit the specific needs of your application. Speak to our team to learn more!

From CDU to CPU.

Parker Hannifin have been working in fluid control for over 100 years, successfully staying at the technological forefront as industry needs rapidly evolve. It is no surprise that Parker's historical aptitude in critical fluid handling and refrigeration technology has given them the insight and expertise to present an unparalleled portfolio of hoses and tubing for thermal management.

Thermal Management Hoses and Tubing

Through VFV, Parker's famous hose division brings their expertise to the thermal management field. Requirements from near vacuum to maximum flexibility are covered, and data centre approved hoses are specified for peace of mind.



Hoses are available in a broad range of materials like EPDM-P, Neoprene, Butyl rubber, and more, covering the chemical compatibility and temperature requirements for liquid cooling fluids or gaseous refrigerants.

Contact VFV

Email	sales@vfv.com.au
Phone	(03) 9873 1400
Website	www.vfv.com.au
Address	11 Thornton Crescent, Mitcham, VIC