

LIQUID-COOLED LOAD BANKS

SAFE DRY-BREAK CONNECTIONS BY TODO

Liquid cooling is now essential for managing heat in modern data centres, generator testing, UPS systems, and industrial liquid-cooled load bank applications.

These require connection solutions that are leak-free, efficient, and easy to operate.

TODO Couplings provides proven dry-break technology designed specifically for liquid-cooled systems using water or glycol-based cooling media, ensuring safe and reliable operation in demanding environments.



The Challenge

Liquid-cooled load banks generate significant heat, particularly when used for temporary, mobile, or high-power testing. Conventional hose or flanged connections can lead to:

- Liquid leaks during connection and disconnection
- Air ingress that reduces cooling efficiency
- Increased safety risks for operators
- Longer setup and shutdown times

In liquid-cooled load bank systems, fast, clean, and secure connections are essential to maintain performance and operational safety.

Speak to our Experts Today



The TODO Solution

Dry-Break Coupling Systems for Liquid-Cooled Load Banks

TODO supports liquid-cooled load bank applications using proven dry-break coupling technology, including:

- TODO® II Tank Units
- TODO-MATIC® Dry-Break Couplings

Both solutions provide safe and efficient connection points between the liquid-cooled load bank and the cooling circuit, helping maintain system integrity in high-thermal load environments.

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Key Benefits

Dry-Break Technology:

Liquid flow automatically stops upon disconnection, preventing spills of cooling media and keeping work areas clean.

No Air Ingress

The coupling design prevents air from entering the liquid-cooled circuit, preserving optimal cooling efficiency.

High Flow Capacity:

Supports the high flow rates required by modern liquid-cooled load bank systems.

Robust & Durable Construction

Designed for repeated use in industrial, data centre, and test environments.

Compatible with Liquid Cooling Media

Suitable for liquid-cooled systems using water-based and glycol cooling fluids.

Certified & Proven Performance

Both TODO® II and TODO-MATIC® solutions are qualified to NATO STANAG 3756, demonstrating reliability in demanding industrial and military environments.



Typical Applications

- Data centre commissioning and testing
- Backup generator load testing
- High-power UPS systems
- Industrial and mobile liquid-cooled load banks

Why Choose TODO?

With decades of experience in dry-break coupling technology, TODO delivers reliable solutions that enhance operator safety, minimise downtime, and protect liquid-cooled systems from leaks and contamination.