

Date Centre couplings

TLOK-U LIQUID-COOLED BRANCH COUPLING

The TLOK-U is a compact quick-disconnect coupling designed for liquid-cooling systems used in data centres, high-performance computing and network infrastructure.

Manufactured to OCP-inspired specifications, the TLOK-U provides a secure and reliable connection between server racks, manifolds and main liquid-cooling pipelines. Its quick-connect design allows cooling lines to be connected or disconnected efficiently, helping simplify installation, servicing and equipment replacement while reducing system downtime.

Available in four sizes — U02, U04, U06 and U08 — the range supports different flow requirements and is designed to pair with compatible UQD connections.

Key Features:

- Quick-disconnect design for efficient installation and maintenance
- Suitable for high-performance liquid-cooling systems
- Available in 1/8", 1/4", 3/8" and 1/2" hose sizes
- Supports flow rates up to 17.8 L/min, depending on model
- Maximum operating pressure up to 20 bar on selected sizes
- Compact construction for space-restricted server and manifold applications
- Compatible with deionised water, purified water, water-glycol, water-propylene glycol and fluorinated cooling fluids

Applications:

The TLOK-U is suitable for use in:

- Data centre liquid-cooling systems
- High-performance computing environments
- AI server infrastructure
- Network switches and telecommunications equipment
- Server rack and manifold connections
- Direct-to-chip and secondary cooling loops

Engineered for dependable flow performance and easy servicing, the TLOK-U provides a practical connection solution for modern thermal-management systems.

