

PUSH-BUTTON UQD

Universal Quick Disconnect for Liquid Cooling Applications

Product Features:

Parker push-button Universal Quick Disconnect (UQD) is a disconnect solution for liquid cooling systems in data centers and supercomputers. It meets OCP specifications while tackling the IT power densification challenges.

The UQD design allows high mechanical performances and flammability regulation compliance.

The innovative combination of high-performance polymer and metal offers superior flow rate.



Universal Quick Disconnect push-button

Markets:

- Data centers
- Super Computers
- Electronics
- Information Technologies

Product Benefits:

- **Ease-of-Use**
Ergonomic, color-coded push-button simplifies the assembly and disconnection of liquid cooling circuits, minimizing installation errors and ensuring ease of use, even in tight spaces like data centers.
- **Non-spill Technology**
Designed to effectively prevent any fluid loss and optimum protection of electrical components
- **High Mechanical Performances**
Robust blend of high-performance polymer and corrosion-resistant stainless steel to ensure durability and reliability in demanding liquid cooling environments
- **UL94 V0 Approved**
The innovative combination of high-performance polymer and metal complies with flammability regulations
- **Boosted Supply Chain**
Highly-scalable and automated manufacturing capabilities
- **Lower Carbon Footprint**
UQD >55% less carbon emission, >60% less water use, 60% weight reduction



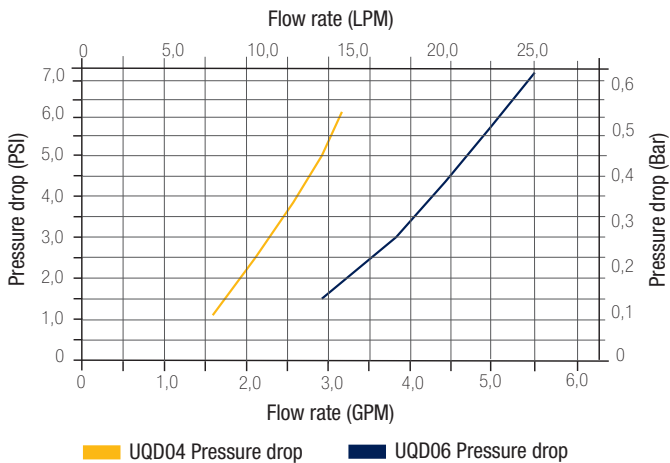
Technical Characteristics

Working Conditions

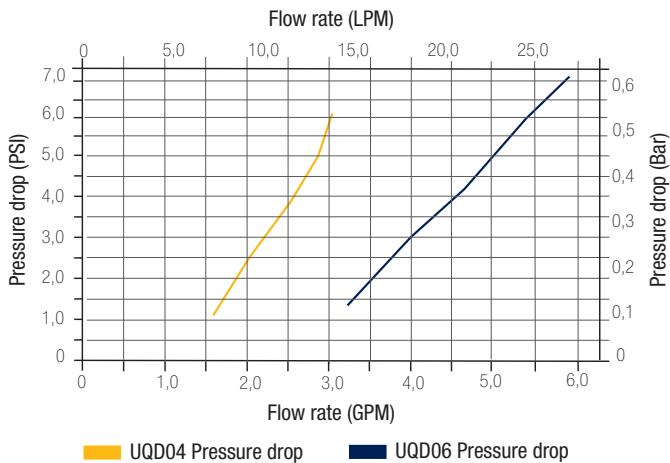
- Working pressure:** 7 bar
- Working temperature:** 0°C to +70°C
- Connection/disconnection durability:** >5000

Flow Rates

UQD04 and UQD06 Flow Rate (socket to plug)



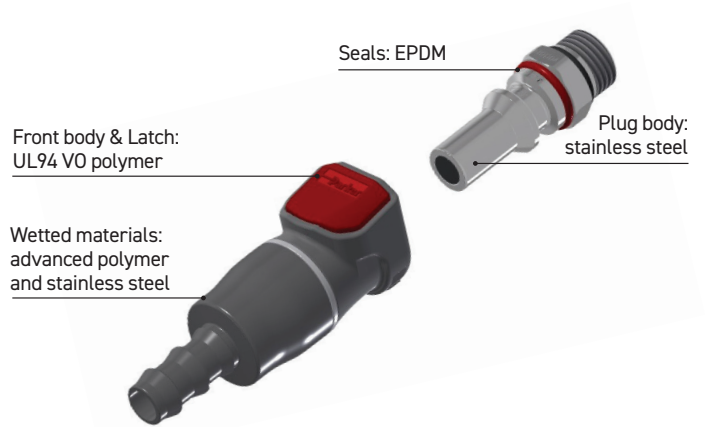
UQD04 and UQD06 Flow Rate (plug to socket)



Compatible Fluids

- Propylene glycol coolants
- Ethylene glycol coolants
- Deionized water
- Dielectric coolants
- Water

Component Materials



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