

ACT *Advanced Cooling Technology*

One-stop liquid cooling solution provider



QD Product Manual

UQD/ UQDB/ TBV/ TFA/ TFB/ TFC/ TFD

Advanced Cooling Technology SDN.BHD

▶ UQD Series QD



▶ **Application:** Server, Manifold

- **Effective diameter:** DN03~10mm
- **Body material:** 316L stainless steel
- **Sealing material:** EPDM
- **Working pressure:** 0~20bar
- **Burst pressure:** 80bar
- **Temperature range:** -40 °C~+120 °C
- **Fluids:** Pure water coolant / formula coolant
- **Others:** interface connection mode, red and blue ring identification optional

▶ **Confirm to OCP performance standard, flat drip free design, on-off under pressure without leakage**

▶ UQDB Series Blind Plug QD



▶ **Application:** Server, Manifold

- **Effective diameter:** DN03~10mm
- **Body material:** 316L stainless steel
- **Floating distance:** ± 1 mm
- **Sealing material:** EPDM
- **Working pressure:** 0~20bar
- **Burst pressure:** 80bar
- **Temperature range:** -40°C~+120°C
- **Fluids:** Pure water coolant / formula coolant
- **Others:** optional interface connection mode

▶ **Confirm to OCP performance standard, flat drip free design, on-off under pressure without leakage**

▶ TBV Series Ball Valve QD



▶ **Application:** Liquid Server Cabinets, Liquid Power Cabinets, Manifold, CDU Connector, Pump Connector, etc.

- **Pipeline specifications:** 1" / 1.25" / 1.5" / 2"
- **Body materials:** 304L/316L stainless steel
- **Sealing material:** EPDM
- **Working pressure:** -0.95bar~20 bar
- **Burst pressure:** 2MPa
- **Temperature range:** -40°C~+120°C
- **Fluids:** Pure water coolant / formula coolant
- **Connection Type:** Internal thread, pagoda joint, flange, chuck, customizable
- **Others:** interface connection mode, sealing material, red and blue ring identification optional

▶ **Ball valve structure, high flux design**

▶ TFA Series Compact QD



▶ **Application:** Server, Manifold

- **Effective diameter:** DN04~06
- **Body material:** 316L stainless steel
- **Sealing material:** EPDM
- **Working pressure:** 0~20bar
- **Burst pressure:** 80bar
- **Temperature range:** -55 °C~+125 °C
- **Fluids:** Pure water coolant / formula coolant
- **Others:** interface connection mode, sealing material, red and blue ring identification optional

▶ **Flat drip free design, compact design, low flow resistance, plate piercing, on-off under pressure without leakage**

▶ TFB Series QD



▶ **Application:** Server, Manifold

- **Effective diameter:** DN04~25mm
- **Body material:** 316L stainless steel
- **Sealing material:** EPDM
- **Working pressure:** 0~20bar
- **Burst pressure:** 80bar
- **Temperature range:** -40°C~+120°C
- **Fluids:** Pure water coolant / formula coolant
- **Others:** interface connection mode, sealing material, red and blue ring identification optional

▶ **Flat drip free design, sealing ring protection design, low flow resistance, one-handed operation, on-off under pressure without leakage**

▶ TFC Two-Phase Liquid Cooling QD



▶ **Application:** Server, Manifold

- **Effective diameter:** DN06~14mm
- **Body material:** aluminum alloy
- **Sealing material:** HNBR, low temperature NBR, and FVMQ optional
- **Working pressure:** 0~40bar
- **Burst pressure:** 160bar
- **Temperature range:** -15°C~+125°C
- **Fluids:** Freon
- **Others:** interface connection mode, sealing material, red and blue ring identification

▶ **Flat drip free design, special treated surface for wear resistance, self-lubricating**

▶ TFD Series Blind Plug QD



▶ **Application:** Server, Manifold

- **Effective diameter:** DN03~12mm
- **Body material:** aluminum alloy, 316L stainless steel
- **Floating distance:** ± 0.5 mm
- **Sealing material:** EPDM, and FVMQ optional
- **Working pressure:** 0~16bar
- **Burst pressure:** 64bar
- **Temperature range:** -40°C~+120°C
- **Fluids:** Pure water coolant / formula coolant
- **Others:** interface connection mode, sealing material optional

▶ **Flat drip free design, small conduction spacing**

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Welcome to contact us!

- Coolant Distribution Unit(CDU)
- Rear Door Heat Exchanger (RDHx)
- Rack Manifold (MANIFOLD)
- Quick Disconnect (QD)
- Cold Plate
- Thermal Test Vehicle(TTV)
- Immersion Tank
- Coolant
- Leakage Detection Product
- Liquid Cooling Solution

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Address: Lot 21596 (Lot Lama Pt 5918), Mukim 13, Jalan
Cassia Selatan 5/2, Taman Perindustrian Batu Kawan,
14110 Bandar Cassia, Pulau Pinang Malaysia

Web: <http://www.actst.com/>

E-Mail: barry.chung@actst.com

TEL: +886-953020866

Line: 0953020866

WeChat: barrykychung