



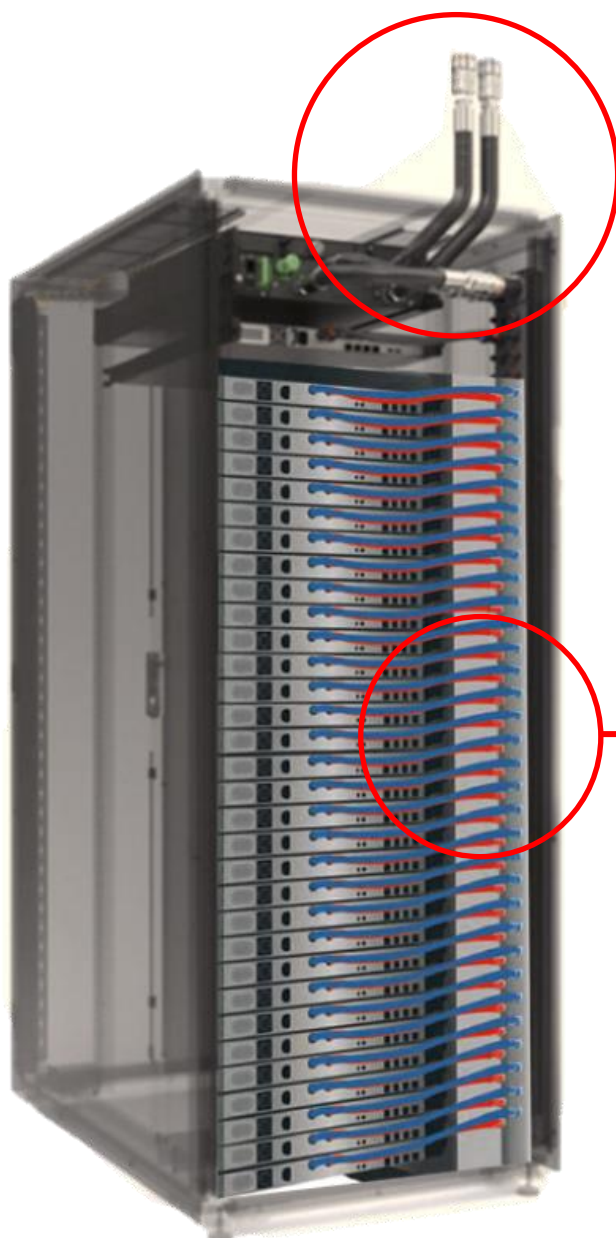
Inelco Hunter Limited

Amphenol
Industrial



QD Series

Data Center Liquid Cooling Solutions



Source line solution

SQD20 Series



Inner rack solutions

UQD Series



UQDB Series



SHQD20 Series

The SHQD (Semi-automatic Hand-mate Quick Disconnect) is a two-hand operated quick disconnect product, suitable for applications requiring cautious operation, with two-hand operation with a visual secondary confirmation.

Product Features

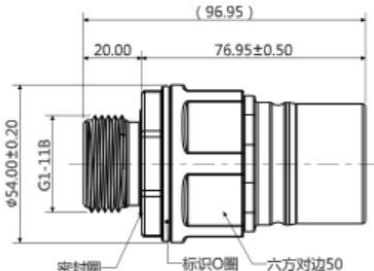
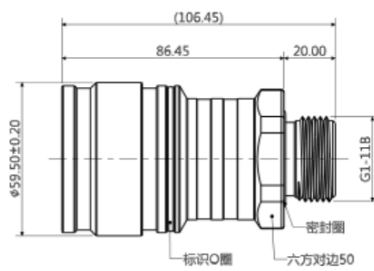
- Aerospace-grade sealed for high reliability and durability
- Highest flow and no spillage
- Bidirectional shut-off valve & dry-break
- Multiple termination options, such as barb, threads, etc.
- Right angel or inline options for different application scenarios
- Low flow resistance

Product Specifications

| | |
|--------------------------------------|----------------------------------------------------------|
| Shell material | Stainless steel |
| Spring (Wetted) | Corrosion-resistant stainless steel |
| Sealing ring | EPDM |
| Diameter | 20MM |
| Working pressure | 0.3~1MPa |
| Safe pressure | 2MPa |
| Spillage during Insertion/Withdrawal | 0.2ml |
| Temperature | -40 °C to 105°C |
| Sealing | Bidirectional dry break sealed |
| Applicable Coolant | Deionised water, Ethylene glycol, Propylene glycol, etc. |
| Life cycle | Minimum 1000 cycles |

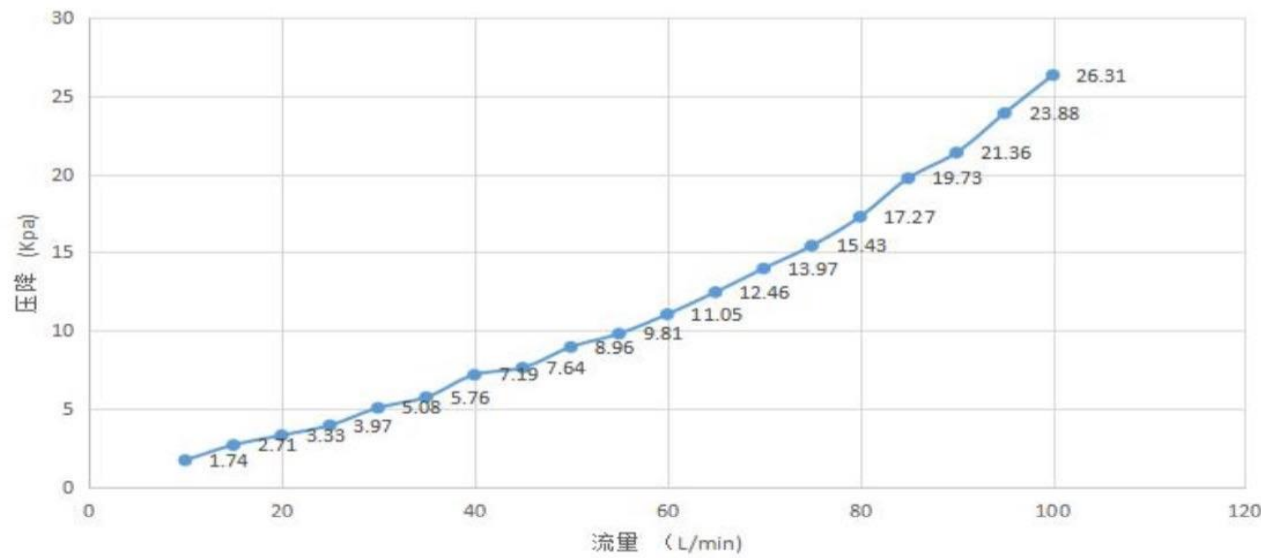


SHQD20-A

| | |
|--------|------------------------------------------------------------------------------------|
| Plug |  |
| Socket |  |

Flow Rate Curve

SHQD20-A



UQD Series

The UQD series quick coupling is a highly reliable liquid cooling connection solution developed based on the standard initiated by OCP. They are designed with an automatic steel ball-lock mechanism and are primarily used for the connection between data center rack servers and manifolds. These couplings enable quick connection and disconnection and support intermixing products from different manufacturers within the organization based on the same standard. The excellent drip-free design perfectly addresses the liquid cooling requirements of high- reliability equipment.

Product Features

- Aerospace-grade sealed for high reliability and durability
- Quick plug-in
- Bidirectional shut-off valve & dry-break
- Multiple termination options, such as barb, threads, etc.
- Right angel or inline options for different application scenarios
- Low flow resistance

Product Specifications

| | |
|--------------------|----------------------------------------------------------|
| Shell material | Stainless steel |
| Spring (Wetted) | Corrosion-resistant stainless steel |
| Sealing ring | EPDM |
| Working pressure | 0~0.6MPa |
| Safe pressure | 1~2MPa |
| Size | UQD02/04/06/08 (OCP Standard) |
| Temperature | -40 °C to 105°C |
| Sealing | Bidirectional dry-break sealed |
| Applicable Coolant | Deionized water, Ethylene glycol, Propylene glycol, etc. |
| Life cycle | Minimum 1000 cycles |



UQD 02

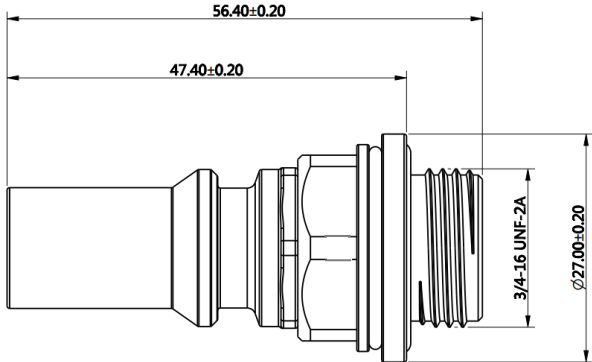
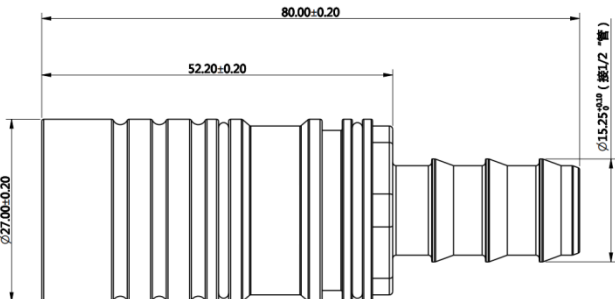
| | |
|--------|--|
| Plug | |
| Socket | |

UQD 04

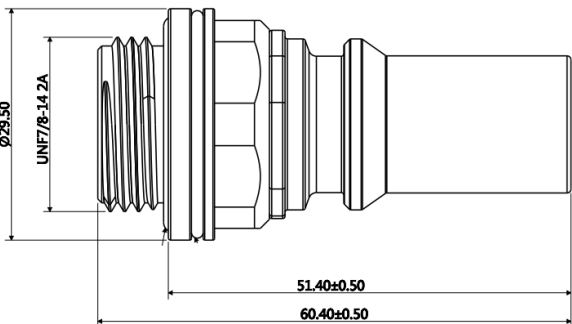
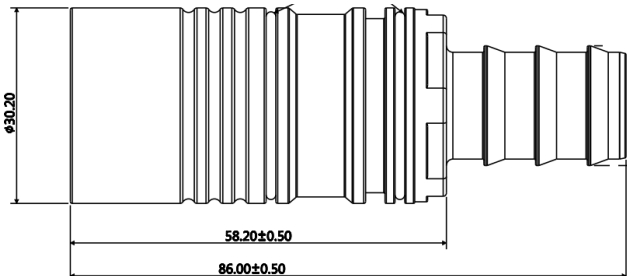
| | |
|--------|--|
| Plug | |
| Socket | |



UQD 06

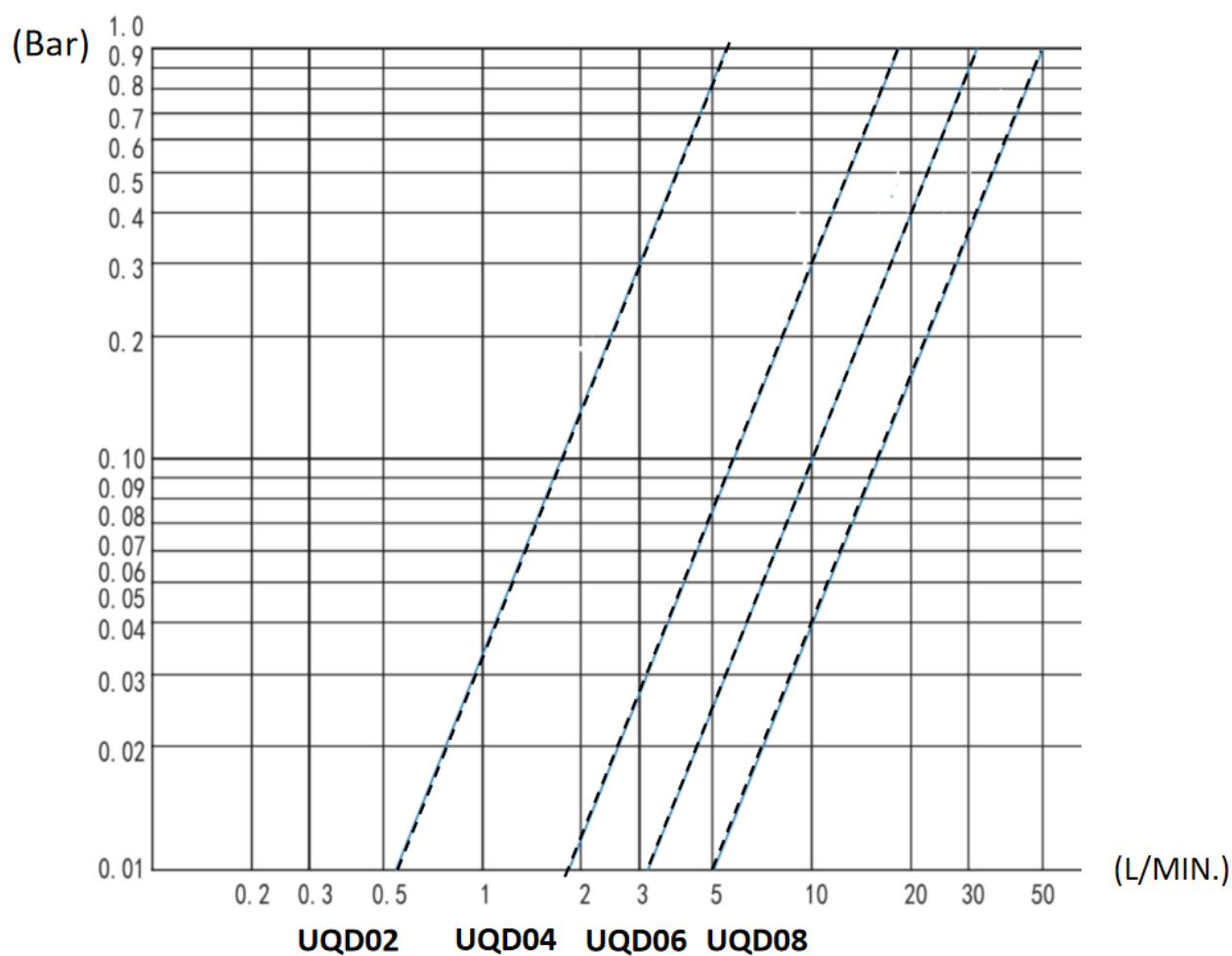
| | |
|---------------|---------------------------------------------------------------------------------------------|
| Plug |  |
| Socket |  |

UQD 08

| | |
|---------------|--------------------------------------------------------------------------------------|
| Plug |  |
| Socket |  |



Flow Rate Curve



UQBD Series

The UQDB series quick coupling is a highly reliable liquid cooling connection solution developed based on the standard initiated by OCP, designed for 1mm misalignment requirements or above. The unique radial floating technology accurately guides the center position, enabling the absorption of tolerance between equipment during connection. This range offers customers a technical solution for small spaces, high-density, and high-tolerance requirements. It is widely used in industries such as data centers, aerospace, radar, shipborne cooling equipment, and other applications requiring high-density rapid connections. The excellent drip-free design perfectly addresses the liquid cooling requirements of high reliability equipment.

Product Features

- Aerospace-grade sealed for safety and reliability
- Blind Mate, self- alignment feature with radial compensation of 1 mm
- Bidirectional shut-off valve & dry-break
- Multiple termination options, such as barb, threads, etc.
- Right angel or inline options for different application scenarios
- Low flow resistance

Product Specifications

| | |
|--------------------|----------------------------------------------------------|
| Shell material | Stainless steel |
| Spring (Wetted) | Corrosion-resistant stainless steel |
| Sealing ring | EPDM |
| Working pressure | 0~0.6MPa |
| Safe pressure | 1~2MPa |
| Size | UQDB02/04/06/08 (OCP Standard) |
| Temperature | -40 °C to 105°C |
| Sealing | Bidirectional dry break sealed |
| Applicable Coolant | Deionized water, Ethylene glycol, Propylene glycol, etc. |
| Life cycle | Minimum 1000 cycles |



UQDB 02

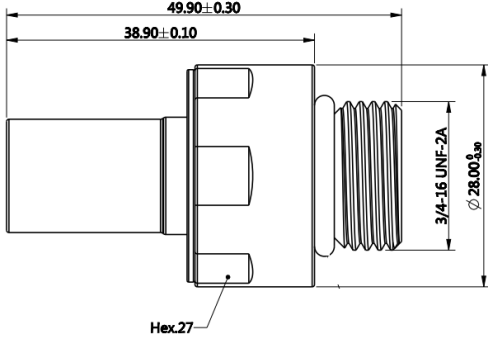
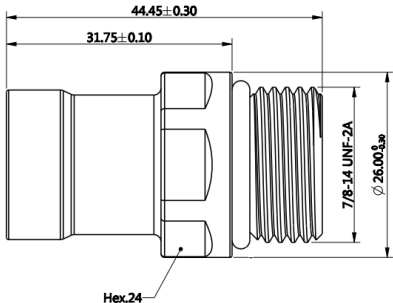
| | |
|---------------|---------------------------------------------------------------------------------------|
| Plug | <p>36.00 ± 0.30 27.00 ± 0.10 7/16-20 UNF-2A Ø 20.50 ± 0.20 Hex.20</p> |
| Socket | <p>32.10 ± 0.30 23.61 ± 0.10 7/16-20 UNF-2A Ø 17.00 ± 0.20 Hex.16</p> |

UQDB 04

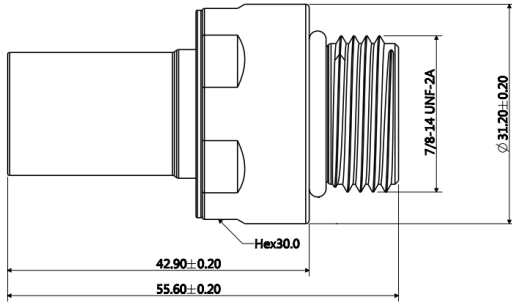
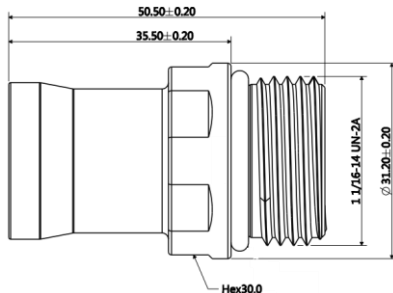
| | |
|---------------|---------------------------------------------------------------------------------------|
| Plug | <p>45.40 ± 0.30 35.40 ± 0.10 9/16-18 UNF-2A Ø 23.00 ± 0.20 Hex.22</p> |
| Socket | <p>39.50 ± 0.30 28.40 ± 0.10 3/4-18 UNF-2A Ø 22.60 ± 0.20 Hex.21</p> |



UQDB 06

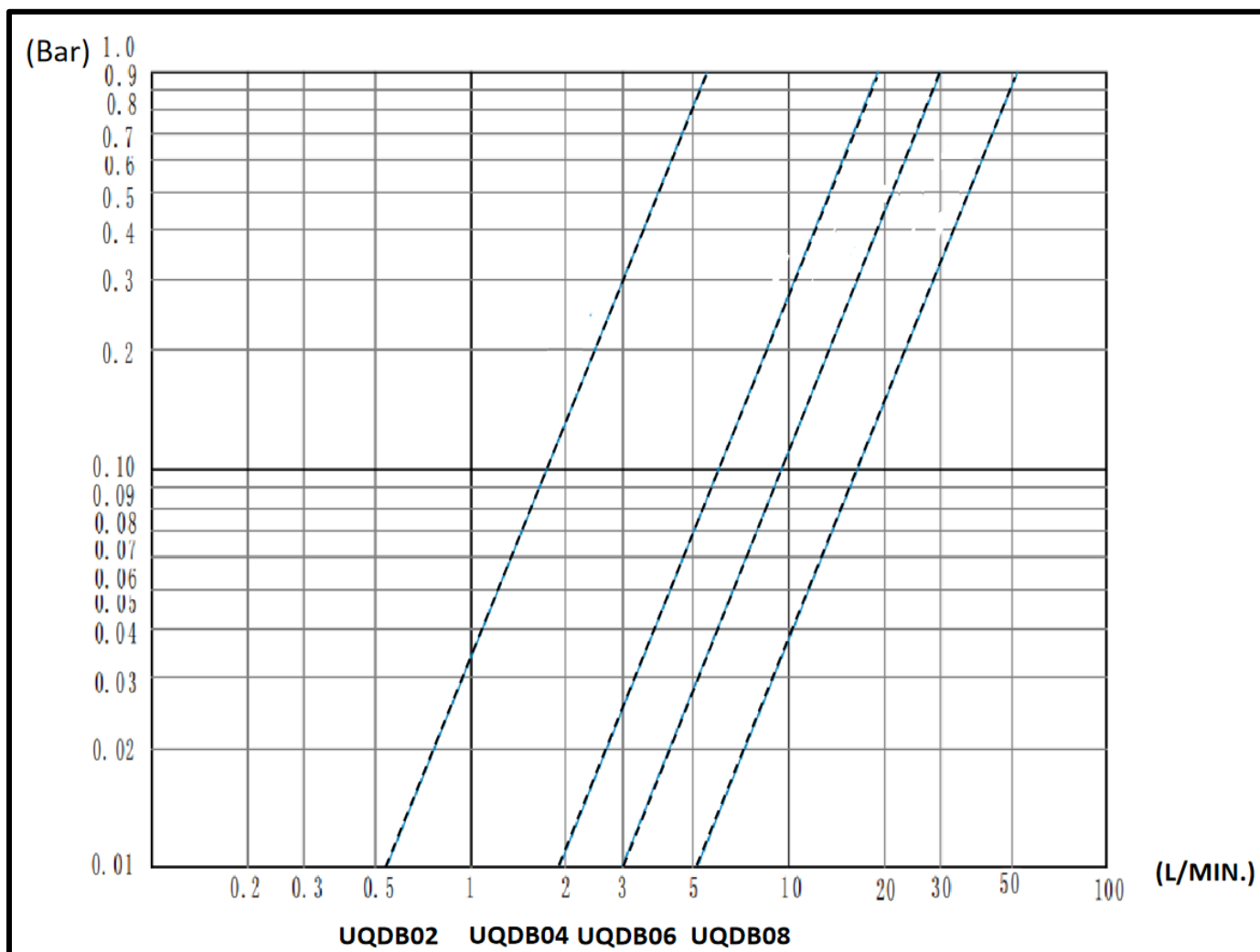
| | |
|--------|------------------------------------------------------------------------------------|
| Plug |  |
| Socket |  |

UQDB 08

| | |
|--------|--------------------------------------------------------------------------------------|
| Plug |  |
| Socket |  |



Flow Rate Curve



Customised Design & Solutions

