

# Amphenol®



**Liquid Cooling Systems**  
Thermal Management Liquid Cooling  
Solutions



**OPEN**  
Compute Project®

[www.amphenol-industrial.com](http://www.amphenol-industrial.com)

UQD/UQDB Rev 2.0 Product Introduction

The OCP UQD/UQDB Specifications Rev 2.0 is a standard within the Open Compute Project (OCP) framework, aimed at unifying and enhancing the specifications for Universal Quick Disconnect (UQD) and Universal Quick Disconnect Blind-mate (UQDB) connectors used in liquid cooling systems for data centers and other high-performance computing equipment.

Rev 2.0 Product Features:

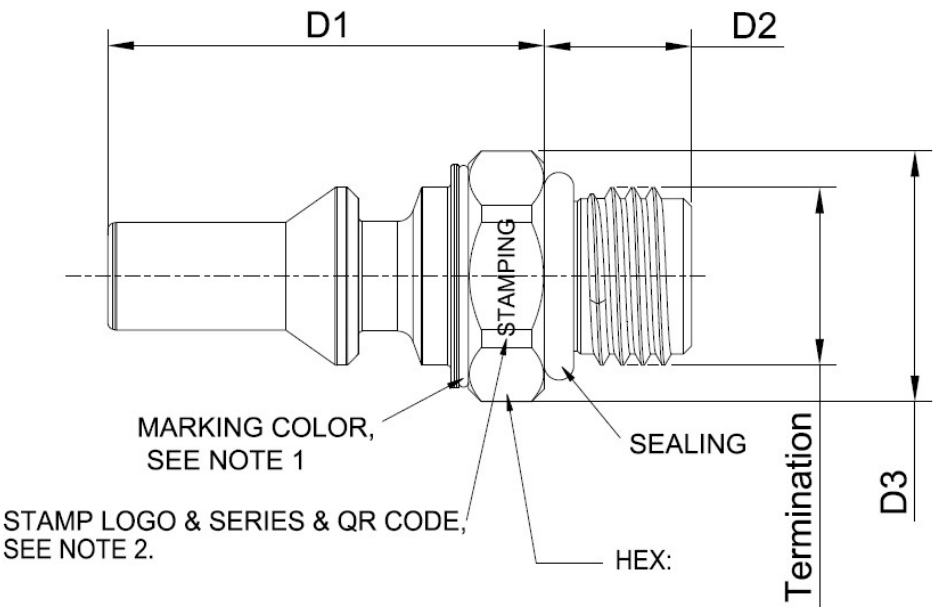
- Hybrid configuration (UQD PLUG mating with UQDB SOCKET)
- Standardized testing & fully defined geometry & improved flow performance
- Dimensional & performance requirements conform to OCP UQD/UQDB Specifications Rev 2.0



UQD Rev 2.0 Product Specifications

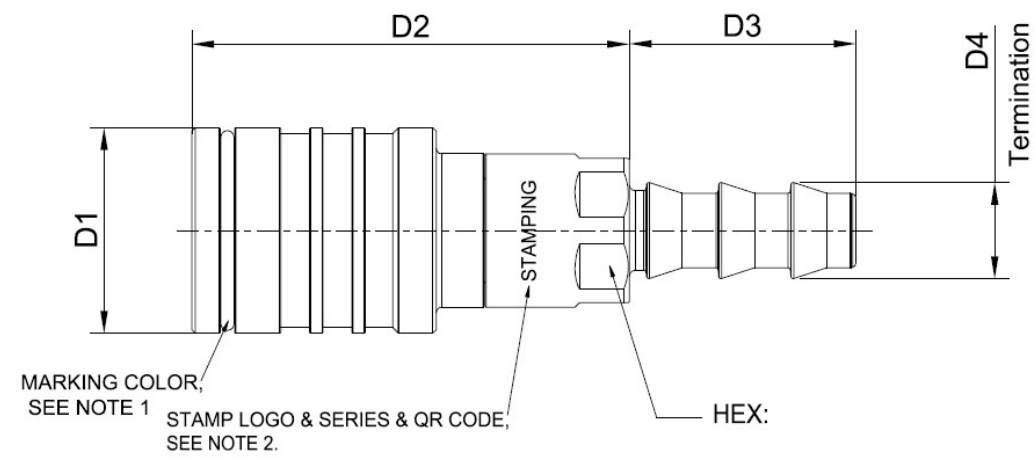
|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| Shell material                           | Stainless steel                                          |
| Spring (Wetted)                          | Corrosion-resistant stainless steel                      |
| Seal                                     | EPDM                                                     |
| Pressure - Maximum Operating (PSI / BAR) | 100 PSI / 6.89 BAR                                       |
| Rated Flow (L/min)                       | 02: 2.27 04: 6.44 06: 11.36 08: 17.79                    |
| Pressure - Minimum Burst (PSI / BAR)     | 300 PSI / 20.68 BAR                                      |
| Size of fluid DIA                        | 02: 1/8" 04: 1/4" 06: 3/8" 08: 1/2"                      |
| Temperature Range                        | 5 °C to 65 °C                                            |
| Sealing                                  | Bidirectional dry-break sealed                           |
| Applicable coolant                       | Deionized water, Ethylene glycol, Propylene glycol, etc. |
| Minimum Cv value                         | 02: 0.39 04: 1.35 06: 2.7 08: 5.1                        |
| Fluid Loss per Cycle                     | 02: 0.0008 04: 0.012 06: 0.015 08: 0.024                 |
| Mating force (N) at 0 pressure           | 02: 51 04: 58 06: 88 08: 124                             |
| Suggested Torque for UQD plug            | 02: 9Nm 04: 15Nm 06: 25Nm 08: 30Nm                       |
| Coupling Cycles – Minimum                | 5000                                                     |
| Cv Value                                 | 02: 0.39, 04: 1.35, 06: 2.7, 08: 5.1                     |

UQD Rev 2.0 Plug Dimensions



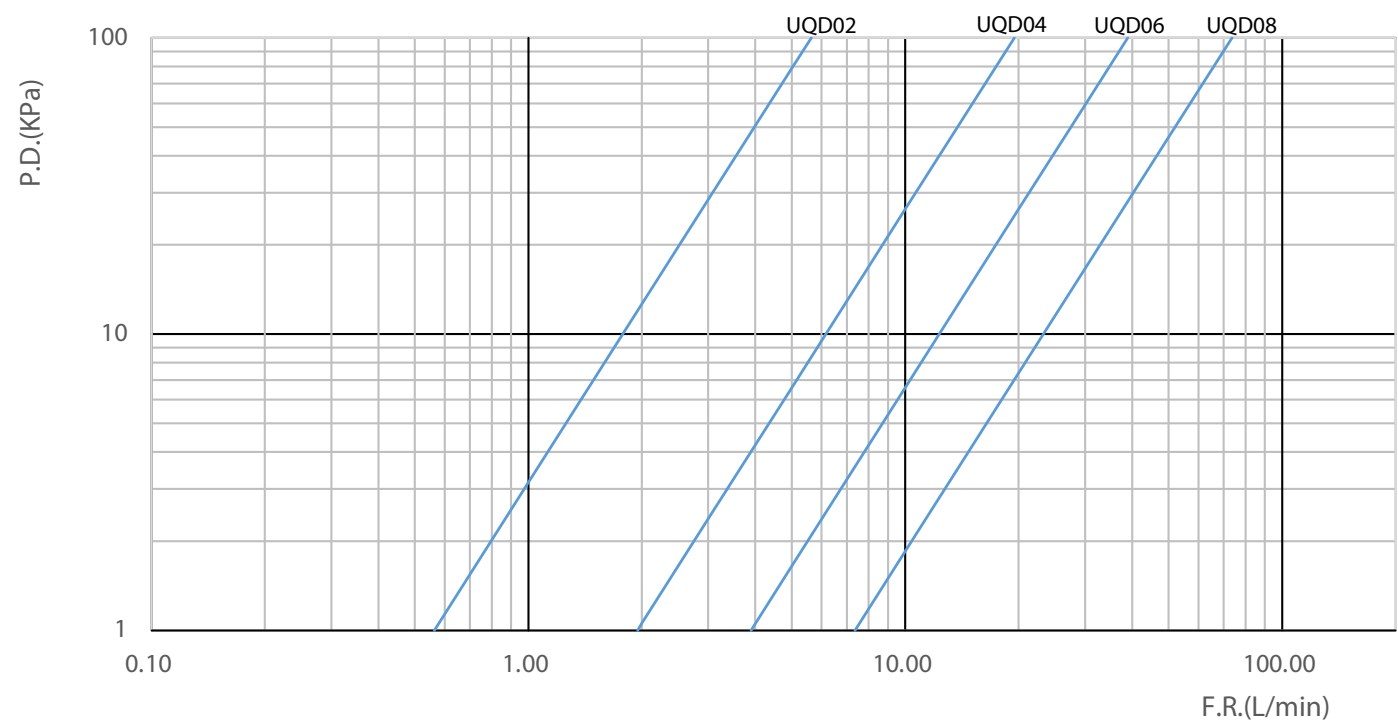
| QD Size | Termination                          | D1   | D2   | D3   | D4 | Hex | Color | UQD Rev 2.0 Plug PN |
|---------|--------------------------------------|------|------|------|----|-----|-------|---------------------|
| 02      | Stud Size ORB-04; Thread 7/16-20 UNF | 27   | 9.1  | 15.5 | NA | 14  | Blue  | UQDPV2-02TMU01-L000 |
|         |                                      |      |      |      |    |     | Red   | UQDPV2-02TMU01-R000 |
| 04      | Stud Size ORB-06; Thread 9/16-18 UNF | 35.4 | 10   | 18.5 | NA | 17  | Blue  | UQDPV2-04TMU02-L000 |
|         |                                      |      |      |      |    |     | Red   | UQDPV2-04TMU02-R000 |
| 06      | Stud Size ORB-08; Thread 3/4-16 UNF  | 38.9 | 11.1 | 24   | NA | 22  | Blue  | UQDPV2-06TMU03-L000 |
|         |                                      |      |      |      |    |     | Red   | UQDPV2-06TMU03-R000 |
| 08      | Stud Size ORB-10; Thread 7/8-14 UNF  | 42.9 | 12.7 | 29   | NA | 27  | Blue  | UQDPV2-08TMU04-L000 |
|         |                                      |      |      |      |    |     | Red   | UQDPV2-08TMU04-R000 |

UQD Rev 2.0 Socket Dimensions



| QD Size | Termination              | D1   | D2   | D3   | D4   | Hex | Color | UQD Rev 2.0 Socket PN |
|---------|--------------------------|------|------|------|------|-----|-------|-----------------------|
| 02      | Hosebarb Size<br>1/4" HB | 18.5 | 39.4 | 20.4 | 8.65 | 13  | Blue  | UQDSV2-02HSH01-L000   |
|         |                          |      |      |      |      |     | Red   | UQDSV2-02HSH01-R000   |
| 04      | Hosebarb Size<br>3/8" HB | 24   | 47.5 | 23.5 | 11.9 | 17  | Blue  | UQDSV2-04HSH02-L000   |
|         |                          |      |      |      |      |     | Red   | UQDSV2-04HSH02-R000   |
| 06      | Hosebarb Size<br>1/2" HB | 28   | 52.8 | 27   | 15.2 | 20  | Blue  | UQDSV2-06HSH03-L000   |
|         |                          |      |      |      |      |     | Red   | UQDSV2-06HSH03-R000   |
| 08      | Hosebarb Size<br>5/8" HB | 32.3 | 58.5 | 27   | 18.5 | 24  | Blue  | UQDSV2-08HSH04-L000   |
|         |                          |      |      |      |      |     | Red   | UQDSV2-08HSH04-R000   |

Rev 2.0 Flow Rate Curve: UQD



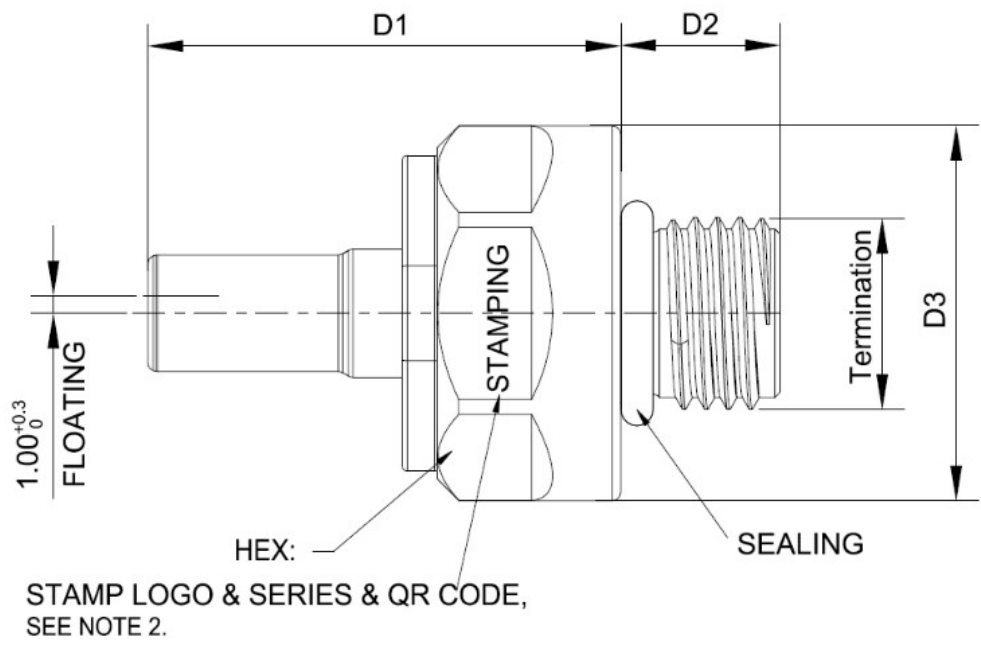
Note: Tested by water

UQDB Rev 2.0 Product Specifications



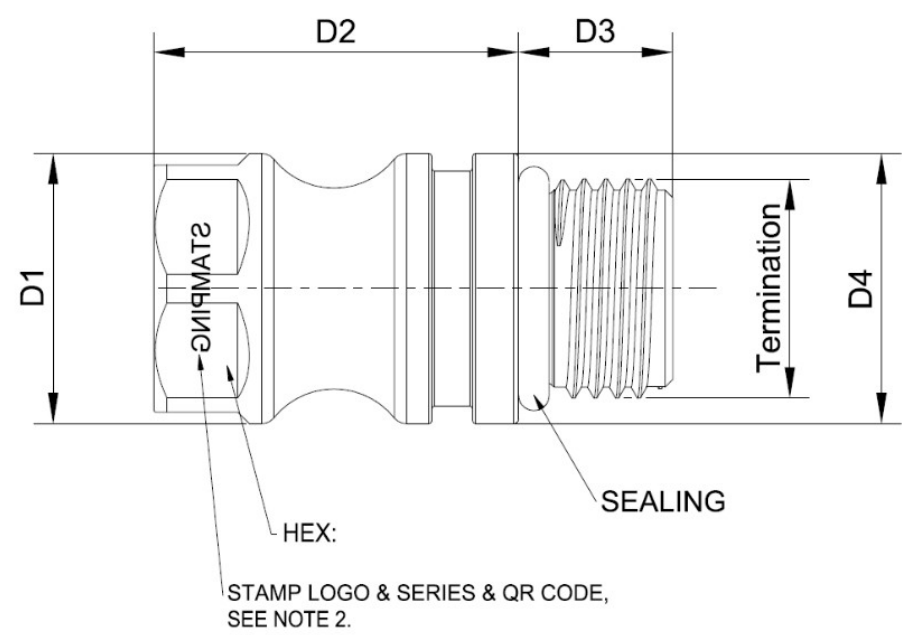
|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Shell material                                 | Stainless steel                                          |
| Spring (Wetted)                                | Corrosion-resistant stainless steel                      |
| Seal                                           | EPDM                                                     |
| Pressure - Maximum Operating (PSI /BAR)        | 100 PSI / 6.89 BAR                                       |
| Rated Flow (L/min)                             | 02: 2.27 04: 6.44 06: 11.36 08: 17.79                    |
| Pressure - Minimum Burst (PSI / BAR)           | 300 PSI / 20.68 BAR                                      |
| Size of fluid DIA                              | 02: 1/8" 04: 1/4" 06: 3/8" 08: 1/2"                      |
| Temperature Range                              | 5 °C to 65 °C                                            |
| Sealing                                        | Bidirectional dry-break sealed                           |
| Applicable coolant                             | Deionized water, Ethylene glycol, Propylene glycol, etc. |
| Minimum Cv value                               | 02: 0.41 04: 1.5 06: 2.5 08: 4.9                         |
| Fluid Loss per Cycle                           | 02: 0.0009 04: 0.017 06: 0.015 08: 0.024                 |
| Mating force (N) at 0 pressure                 | 02: 48 04: 57.3 06: 86 08: 117                           |
| Suggested Torque for UQDB plug                 | 02: 9Nm 04: 15Nm 06: 25Nm 08: 30Nm                       |
| Suggested Torque for UQDB socket               | 02: 15Nm 04: 25Nm 06: 30Nm 08: 48Nm                      |
| Coupling Cycles – Minimum                      | 5000                                                     |
| Radial compensation tolerance (UQDB plug only) | 1.0 (+0.3/0)mm                                           |

UQDB Rev 2.0 Plug Dimensions



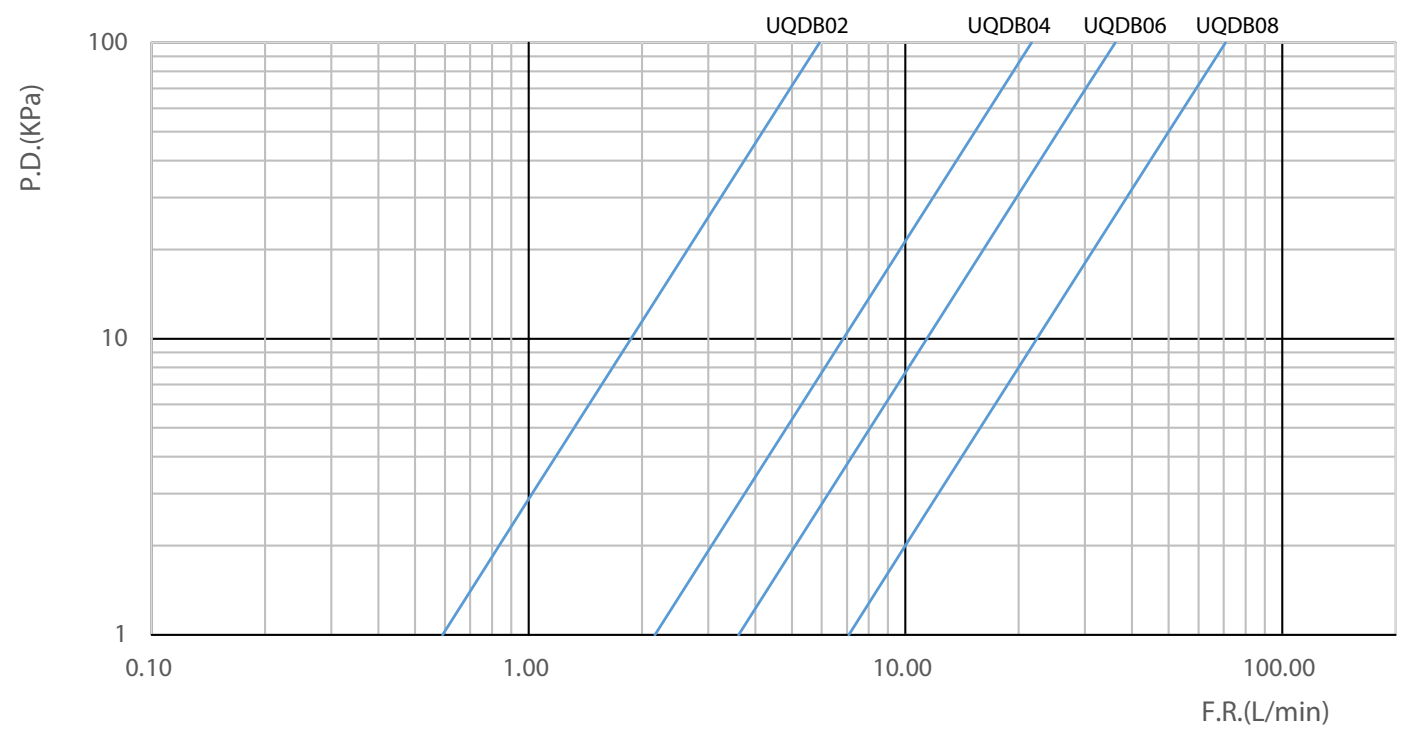
| QD Size | Termination                          | D1   | D2   | D3   | D4 | Hex | UQDB Rev 2.0 Plug PN |
|---------|--------------------------------------|------|------|------|----|-----|----------------------|
| 02      | Stud Size ORB-04; Thread 7/16-20 UNF | 27   | 9.1  | 21.4 | NA | 19  | UQDBPV2-02TMU01-N000 |
| 04      | Stud Size ORB-06; Thread 9/16-18 UNF | 35.4 | 10   | 25.4 | NA | 24  | UQDBPV2-04TMU02-N000 |
| 06      | Stud Size ORB-08; Thread 3/4-16 UNF  | 38.9 | 11.1 | 28.4 | NA | 27  | UQDBPV2-06TMU03-N000 |
| 08      | Stud Size ORB-10; Thread 7/8-14 UNF  | 42.9 | 12.7 | 31.4 | NA | 30  | UQDBPV2-08TMU04-N000 |

UQDB Rev 2.0 Socket Dimensions



| QD Size | Termination                                  | D1   | D2    | D3   | D4   | Hex | UQDB Rev 2.0 Socket PN |
|---------|----------------------------------------------|------|-------|------|------|-----|------------------------|
| 02      | Stud Size<br>ORB-06; Thread<br>9/16-18 UNF   | 17.5 | 23.6  | 10   | 17.5 | 16  | UQDBSV2-02TMU02-N000   |
| 04      | Stud Size<br>ORB-08; Thread<br>3/4-16 UNF    | 22.3 | 28.5  | 11.1 | 22.3 | 20  | UQDBSV2-04TMU03-N000   |
| 06      | Stud Size<br>ORB-10; Thread<br>7/8-14 UNF    | 27.5 | 31.75 | 12.7 | 27.5 | 25  | UQDBSV2-06TMU04-N000   |
| 08      | Stud Size<br>ORB-12; Thread<br>1-1/16-12 UNF | 29.8 | 35.56 | 15.1 | 33   | 27  | UQDBSV2-08TMU05-N000   |

Rev 2.0 Flow Rate Curve: UQDB



Note: Tested by water

# SHQD Product Introduction

The Sourceline SHQD series is designed for AI data center and CDU industry. SHQD series incorporates dual interlock safety features that can prevent mis-operation and ensure safety. The interlock mechanism which is developed by Amphenol independently makes SHQD suitable for source line applications that require full flow rate, the interlock and bi-directional ball valve shut-off design provides excellent performance and no spillage during maintenance or service

## Product Features:

- Source line application where full flow
- Two interlock features to eliminate spills and ensure maximum safety
- Bidirectional shut-off valve & dry-break
- Multiple termination options, such as sanitary flange, barb, threads, etc.
- Right angle or inline options for different application scenarios
- Low flow resistance
- QR code traceability



## Product Specifications

|                                         |                                                                                      |
|-----------------------------------------|--------------------------------------------------------------------------------------|
| Shell Material                          | Stainless Steel                                                                      |
| Spring (Interlock Pin/Latch/Ball Valve) | Corrosion-resistant stainless steel                                                  |
| Seal Material                           | EPDM, optional according to the coolant                                              |
| Rated Flow Rate                         | 1”(189L/min) / 1.5”(550L/min) / 2”(800L/min)                                         |
| Connected Operating Pressure            | 150 PSI / 10 BAR                                                                     |
| Safe Pressure                           | 300 PSI/20 BAR                                                                       |
| Size                                    | 1”(SHQD-25) / 1.5”(SHQD-38) / 2”(SHQD-50)                                            |
| Fluid Loss (ml.)                        | 1”(5ml.) / 1.5”(8ml.) / 2”(12ml.)                                                    |
| Temperature                             | Operating Temperature: -40 °C to 120 °C                                              |
| Sealing                                 | Bidirectional dry-break sealed                                                       |
| Applicable Coolant                      | Deionized water, Ethylene glycol, Propylene glycol, etc                              |
| Interlock System                        | Prevent valve to be open when unmated and mis-operation                              |
| Termination Type                        | Male thread/Female thread/hose barb/sanitary flange (customized design upon request) |
| Cv Value                                | 1": 30, 1.5": 90, 2": 136                                                            |

# SHQD Dimensions

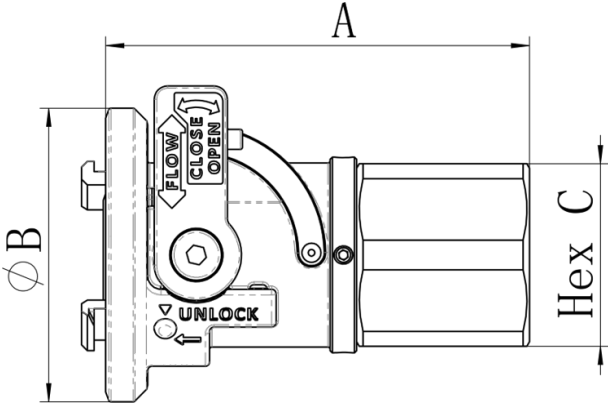


Figure 1

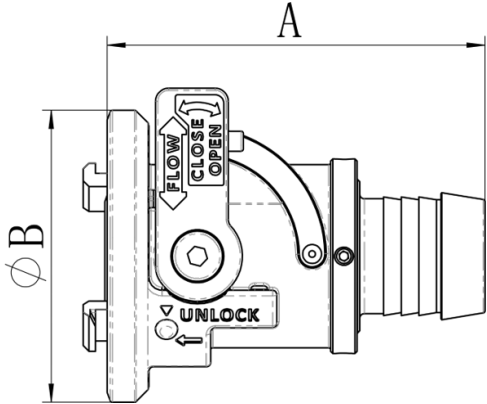


Figure 2

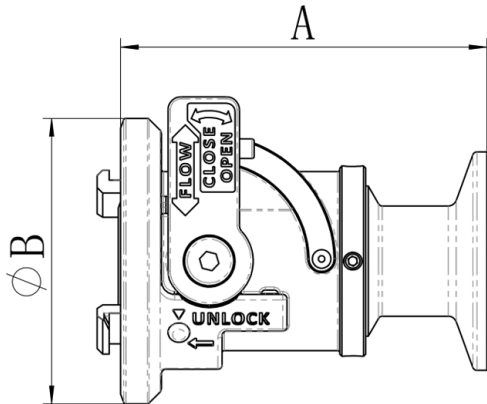


Figure 3

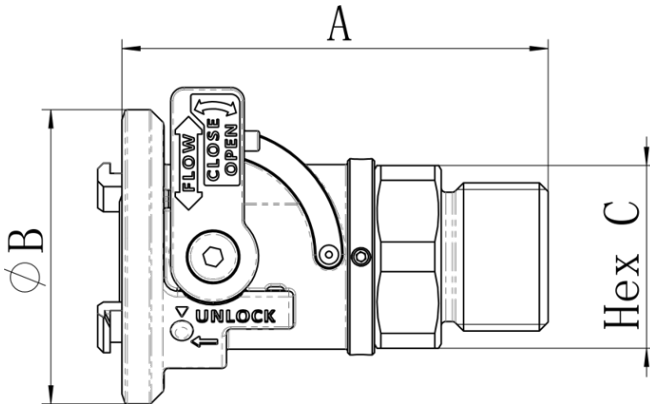
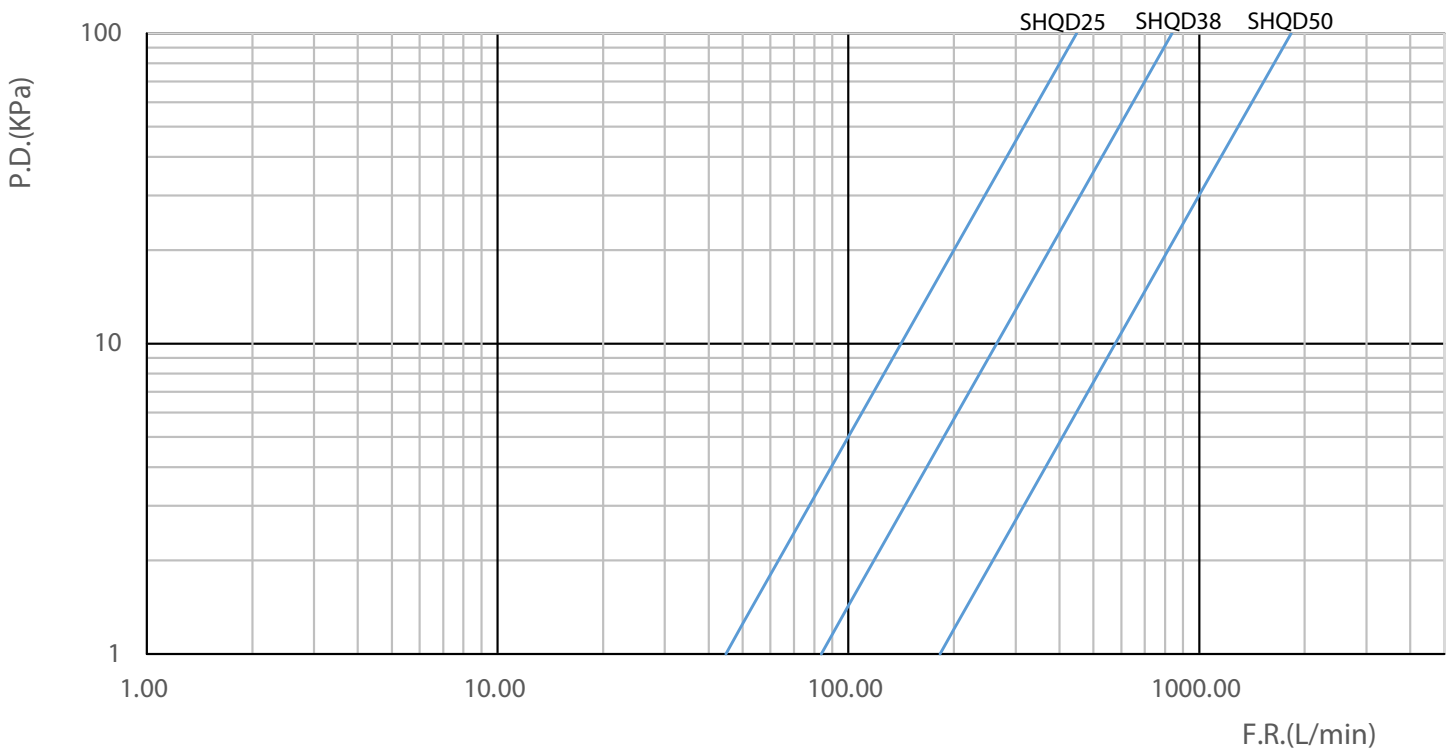


Figure 4

| Sourceline PN     | Size<br>Inch | Thread<br>Type | Termination        | Clamp<br>Size | Figure | Dimension mm (inch) |             |           |
|-------------------|--------------|----------------|--------------------|---------------|--------|---------------------|-------------|-----------|
|                   |              |                |                    |               |        | A                   | B           | C         |
| SHQD-25TFB25-N000 | 1            | G1-11          | BSPP Female Thread | -             | 1      | 94 (3.7)            | 70.5 (2.77) | 41 (1.61) |
| SHQD-25HSH25-N000 | 1            | -              | 1"EPDM hose        | 40 ~ 44mm     | 2      | 84 (3.3)            |             | -         |
| SHQD-25SFF25-N000 | 1            | -              | Sanitary Flange    | -             | 3      | 83 (3.26)           |             | -         |
| SHQD-25TMB25-N000 | 1            | G1-11          | BSPP Male Thread   | -             | 4      | 100 (3.94)          |             | 41 (1.61) |
| SHQD-38TFB38-N000 | 1.5          | G1 1/2-11      | BSPP Female Thread | -             | 1      | 95.2 (3.75)         | 84 (3.3)    | 55 (2.16) |
| SHQD-38HSH38-N000 | 1.5          | -              | 1.5"EPDM hose      | 48 ~ 52mm     | 2      | 139.2 (5.48)        |             | -         |
| SHQD-38SFF38-N000 | 1.5          | -              | Sanitary Flange    | -             | 3      | 95.3 (3.75)         |             | -         |
| SHQD-38TMB38-N000 | 1.5          | G1 1/2-11      | BSPP Male Thread   | -             | 4      | 103.7 (4.08)        |             | 55 (2.16) |
| SHQD-50TFB50-N000 | 2            | G2-11          | BSPP Female Thread | -             | 1      | 107.2 (4.22)        | 105 (4.13)  | 70 (2.76) |
| SHQD-50HSH50-N000 | 2            | -              | 2"EPDM hose        | 62 ~ 66mm     | 2      | 156.8 (6.17)        |             | -         |
| SHQD-50SFF50-N000 | 2            | -              | Sanitary Flange    | -             | 3      | 103.1 (4.06)        |             | -         |
| SHQD-50TMB50-N000 | 2            | G2-11          | BSPP Male Thread   | -             | 4      | 111.8 (4.4)         |             | 70 (2.76) |

SHQD Flow Rate Vs. Resistance



Note: Tested by water

MQD Product Introduction

The Mini Quick Disconnect (MQD), developed under the trend of compact computer tray with smaller DIA requirements. Features such as its compact design with push-pull locking mechanism, the MQD is not just a simple connector; it is a high-performance, reliable, and user-friendly solution that is fundamental to enabling the next generation of liquid-cooled AI data centers, ensuring that powerful computing infrastructure remains cool, efficient, and operational.

Product Features

- Aerospace-grade sealed for safety and reliability
- Size02/03/04 with straight & RA right angle version
- Push-pull quick disconnect
- Bidirectional shut-off valve & dry-break
- Low flow resistance
- QR code traceability
- Benefits for compact computer tray application



Product Specifications

|                                               |                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------|
| Shell Material                                | Stainless Steel                                                           |
| Spring(wetted)/Interlock Pin/Latch/Ball Valve | Corrosion-resistant stainless steel                                       |
| Seal Material                                 | EPDM                                                                      |
| Cv Value                                      | 02: >0.4 03: >0.7 04: >1.0                                                |
| Rated Flow Rate                               | 02=2.08L/min, 03=4.54L/min, 04=6.81L/min                                  |
| Max Working Pressure                          | 100 PSI / 6.89 BAR                                                        |
| Safe Pressure                                 | 300 PSI / 20.68 BAR                                                       |
| Size (Fluid DIA)                              | 02=(3mm), 03=(4mm), 04=(5mm straight & RA versions available              |
| Fluid Loss (ml) @ 3 BAR                       | 02: < 0.003 03: < 0.01 04: <0.005                                         |
| Temperature                                   | Operating Temperature: -40 °C to 105°C                                    |
| Sealing                                       | Bidirectional dry-break sealed                                            |
| Applicable Coolant                            | Deionized water, Ethylene glycol, Propylene glycol, etc.                  |
| Termination Type                              | Hose barb & thread termination available (customized design upon request) |
| Mating force (N) at 0 pressure                | 02: <46 03: <51 04: <53                                                   |
| Mating Cycle                                  | 5000                                                                      |

MQD Dimensions

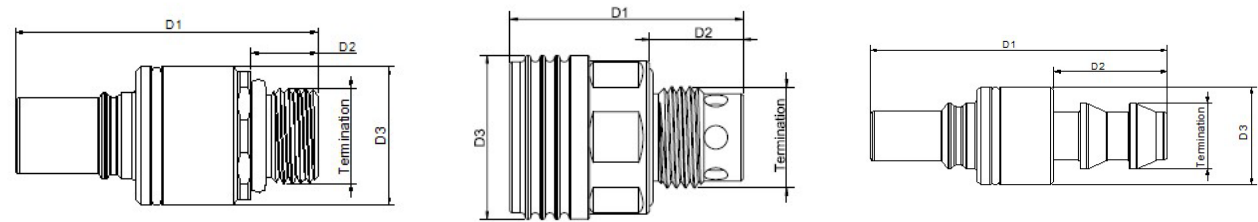


Figure1

Figure2

Figure3

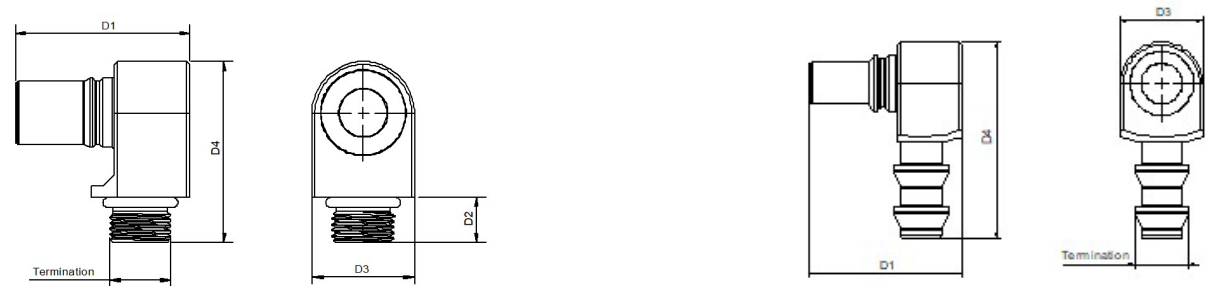
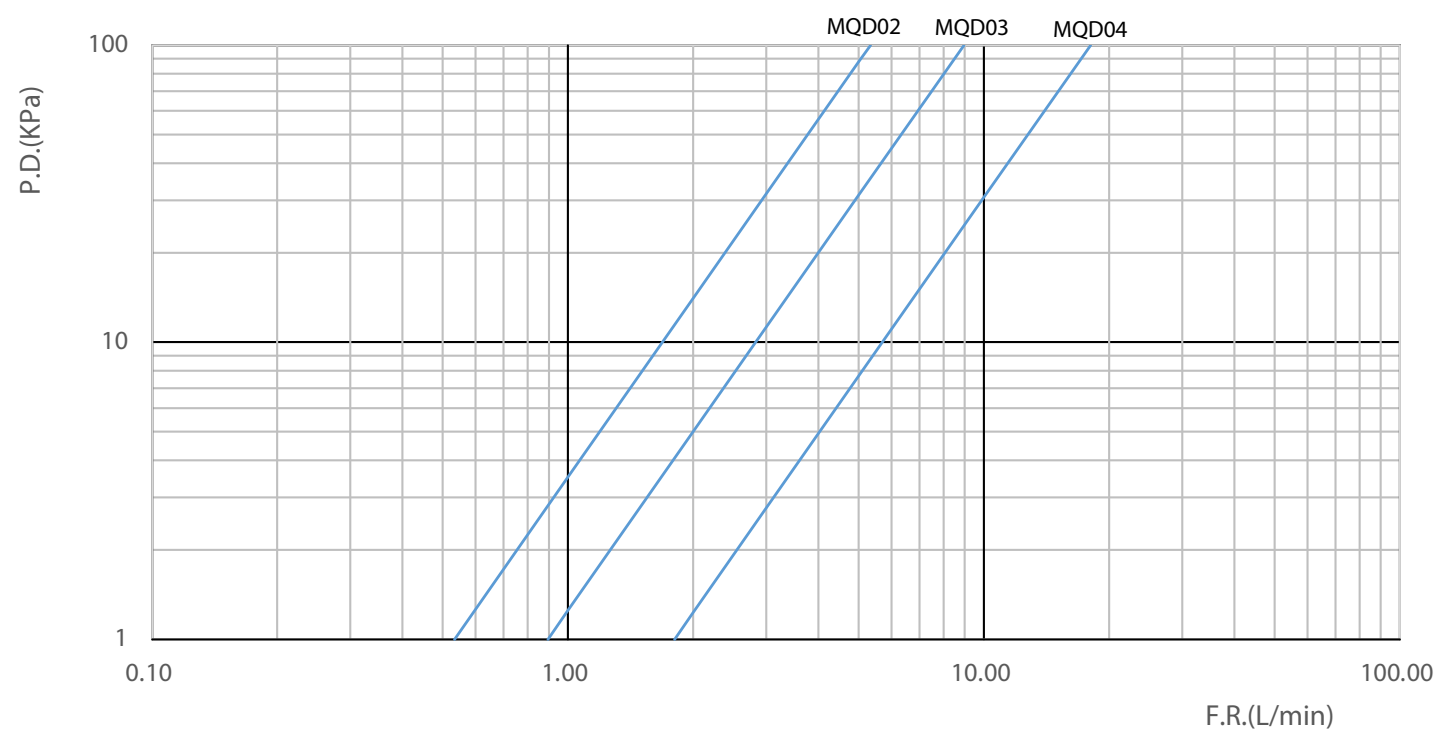


Figure4

Figure5

| Sourceline PN      | Size | Termination            | Color | Figure | Dimension mm |       |      |    |
|--------------------|------|------------------------|-------|--------|--------------|-------|------|----|
|                    |      |                        |       |        | D1           | D2    | D3   | D4 |
| MQDP-02HSH06-L000  | 02   | 1/4" EPDM hose         | BLUE  | 3      | 39.26        | 15.06 | 13   | -  |
| MQDP-02HSH06-R000  | 02   | 1/4" EPDM hose         | RED   |        |              |       |      |    |
| MQDP-02HSVH06-L000 | 02   | 90° 1/4" EPDM hose     | BLUE  | 5      | 24.2         | -     | 13   | 31 |
| MQDP-02HSVH06-R000 | 02   | 90° 1/4" EPDM hose     | RED   |        |              |       |      |    |
| MQDS-02TMU01-L000  | 02   | Thread 7/16-20 UNF     | BLUE  | 2      | 25.7         | 10.3  | 18   | -  |
| MQDS-02TMU01-R000  | 02   | Thread 7/16-20 UNF     | RED   |        |              |       |      |    |
| MQDP-03TMU01-L000  | 03   | Thread 7/16-20 UNF     | BLUE  | 1      | 35.4         | 7.9   | 16.1 | -  |
| MQDP-03TMU01-R000  | 03   | Thread 7/16-20 UNF     | RED   |        |              |       |      |    |
| MQDP-03TMVU01-L000 | 03   | 90° Thread 7/16-20 UNF | BLUE  | 4      | 26           | 8     | 16.1 | 28 |
| MQDP-03TMVU01-R000 | 03   | 90° Thread 7/16-20 UNF | RED   |        |              |       |      |    |
| MQDS-03TMB02-L000  | 03   | Thread BSPP 1/4"       | BLUE  | 2      | 25.25        | 10.8  | 18   | -  |
| MQDS-03TMB02-R000  | 03   | Thread BSPP 1/4"       | RED   |        |              |       |      |    |
| MQDP-04TMU01-L000  | 04   | Thread 7/16-20 UNF     | BLUE  | 1      | 38.5         | 8     | 18.1 | -  |
| MQDP-04TMU01-R000  | 04   | Thread 7/16-20 UNF     | RED   |        |              |       |      |    |
| MQDP-04TMVU01-L000 | 04   | 90° Thread 7/16-20 UNF | BLUE  | 4      | 30.75        | 8     | 18.1 | 32 |
| MQDP-04TMVU01-R000 | 04   | 90° Thread 7/16-20 UNF | RED   |        |              |       |      |    |
| MQDS-04TMB03-L000  | 04   | Thread BSPP 3/8"       | BLUE  | 2      | 31.58        | 9.8   | 21.6 | -  |
| MQDS-04TMB03-R000  | 04   | Thread BSPP 3/8"       | RED   |        |              |       |      |    |

Flow Rate Curve (MQD)



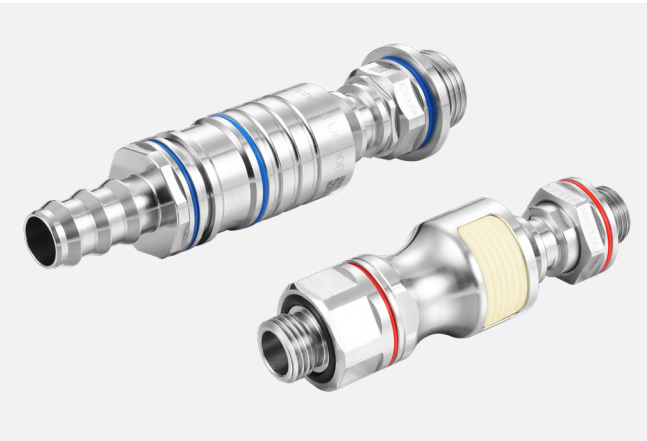
Note: Tested by water

## UQD Rev1.0 Product Introduction

The Universal Quick Disconnect (UQD) is a global standard for quick disconnect couplings developed within the OCP (Open Compute Project) liquid cooling fluid connection in data centers. The products can also be used in other industries such as energy storage systems, charging equipment, military, and power equipment that require quick fluid connections. The excellent non-leakage design enables quick & safe maintenance in field.

## Product Features

- Aerospace-grade sealed for safety and reliability
- Bidirectional shut-off valve & dry-break
- Multiple termination options, such as barb, threads, etc.
- Low flow resistance
- Latch socket has flat-design button
- QR code traceability
- Dimensional & performance requirements conform to OCP UQD Specifications Rev 1.0
- [OCP certified](#)



## Product Specifications

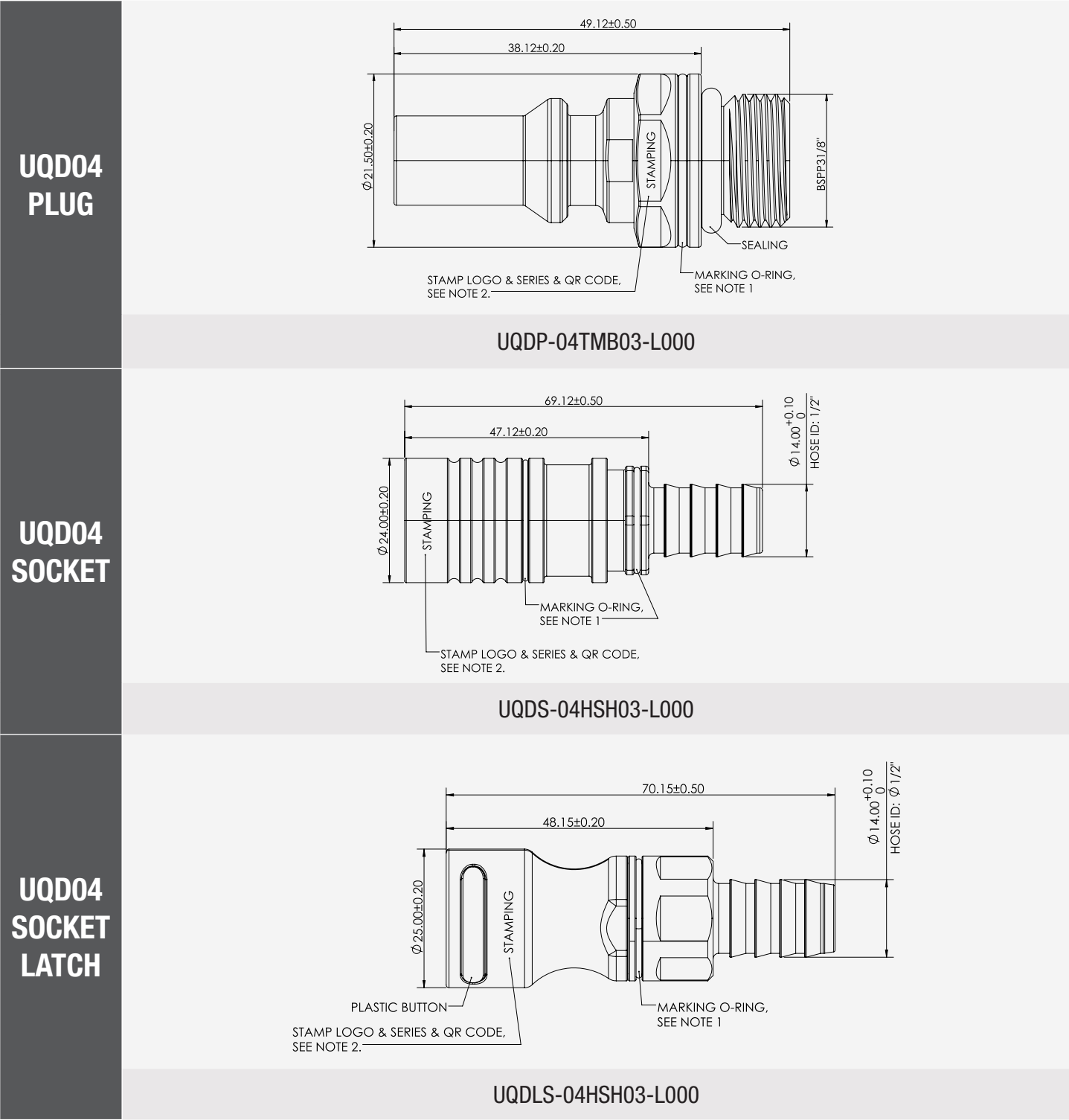
|                                |                                                          |              |              |             |
|--------------------------------|----------------------------------------------------------|--------------|--------------|-------------|
| Shell Material                 | Stainless steel                                          |              |              |             |
| Spring (Wetted)                | Corrosion-resistant stainless steel                      |              |              |             |
| Seal                           | EPDM, FKM, FMVQ optional according to the coolant        |              |              |             |
| Working Pressure               | 0~0.6MPa                                                 |              |              |             |
| Safe Pressure                  | 1~2MPa                                                   |              |              |             |
| Size                           | UQD02/04/06/08 (OCP Standard)                            |              |              |             |
| Temperature                    | Operating Temperature: -40 °C to 105°C                   |              |              |             |
| Sealing                        | Bidirectional dry-break sealed                           |              |              |             |
| Applicable Coolant             | Deionized water, Ethylene glycol, Propylene glycol, etc. |              |              |             |
| Cv Value                       | UQD02: 0.4                                               | UQD04:1.29   | UQD06: 2.32  | UQD08: 3.7  |
| Fluid Loss (ml)                | UQD02: 0.004                                             | UQD04: 0.006 | UQD06: 0.008 | UQD08: 0.01 |
| Mating Force (N) at 0 pressure | UQD0: 2:47                                               | UQD04: 51    | UQD06: 100   | UQD08: 137  |

## UQD02 Dimensions

|                    |                    |
|--------------------|--------------------|
| UQD02 PLUG         |                    |
|                    | UQDP-02TMB02-L000  |
| UQD02 SOCKET       |                    |
|                    | UQDS-02HSH05-L000  |
| UQD02 SOCKET LATCH |                    |
|                    | UQDLS-02HSH01-L000 |

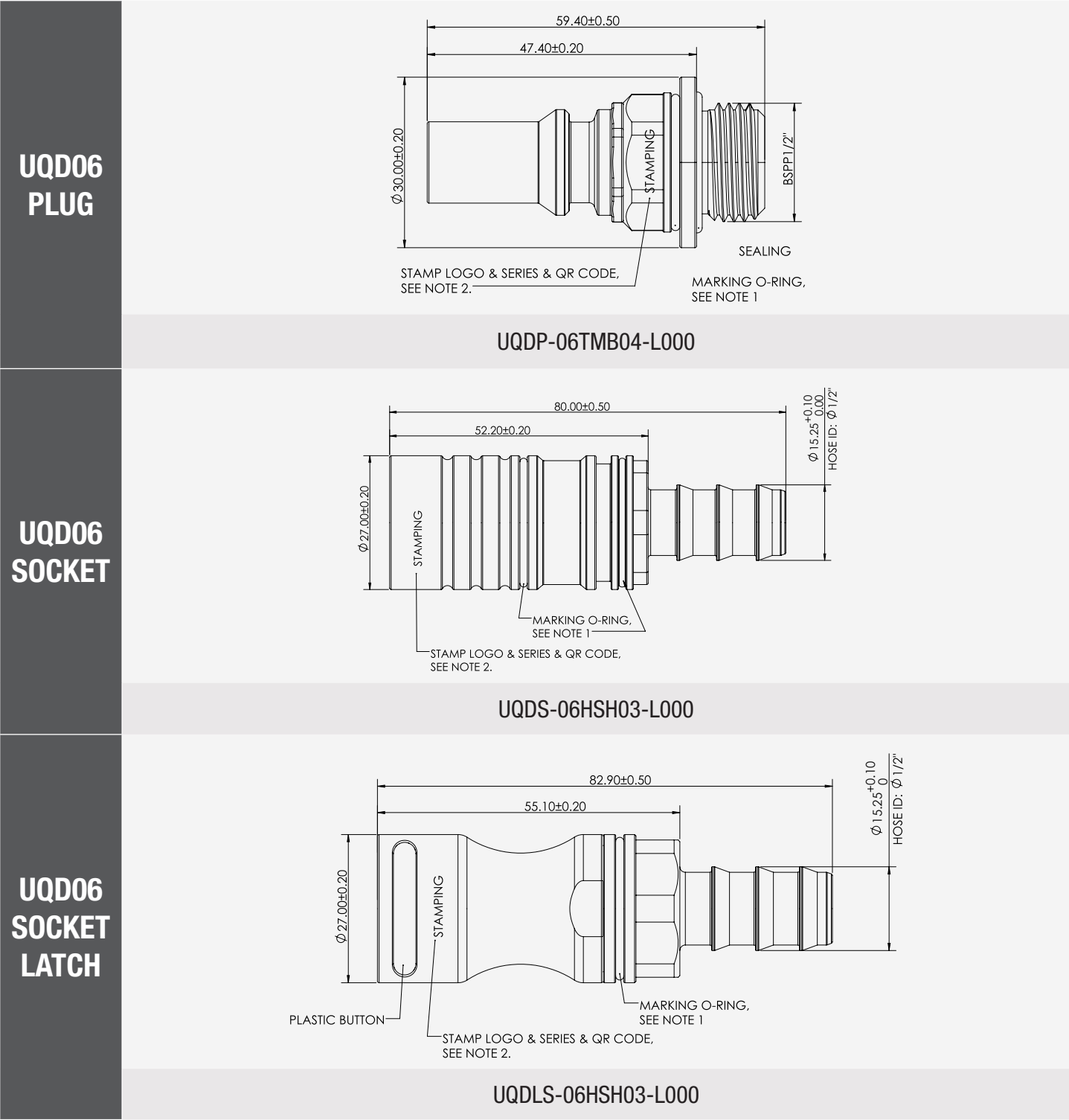
- Note:
1. UQD has color option, -L suffix means Blue, -R means Red.
  2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

UQD04 Dimensions



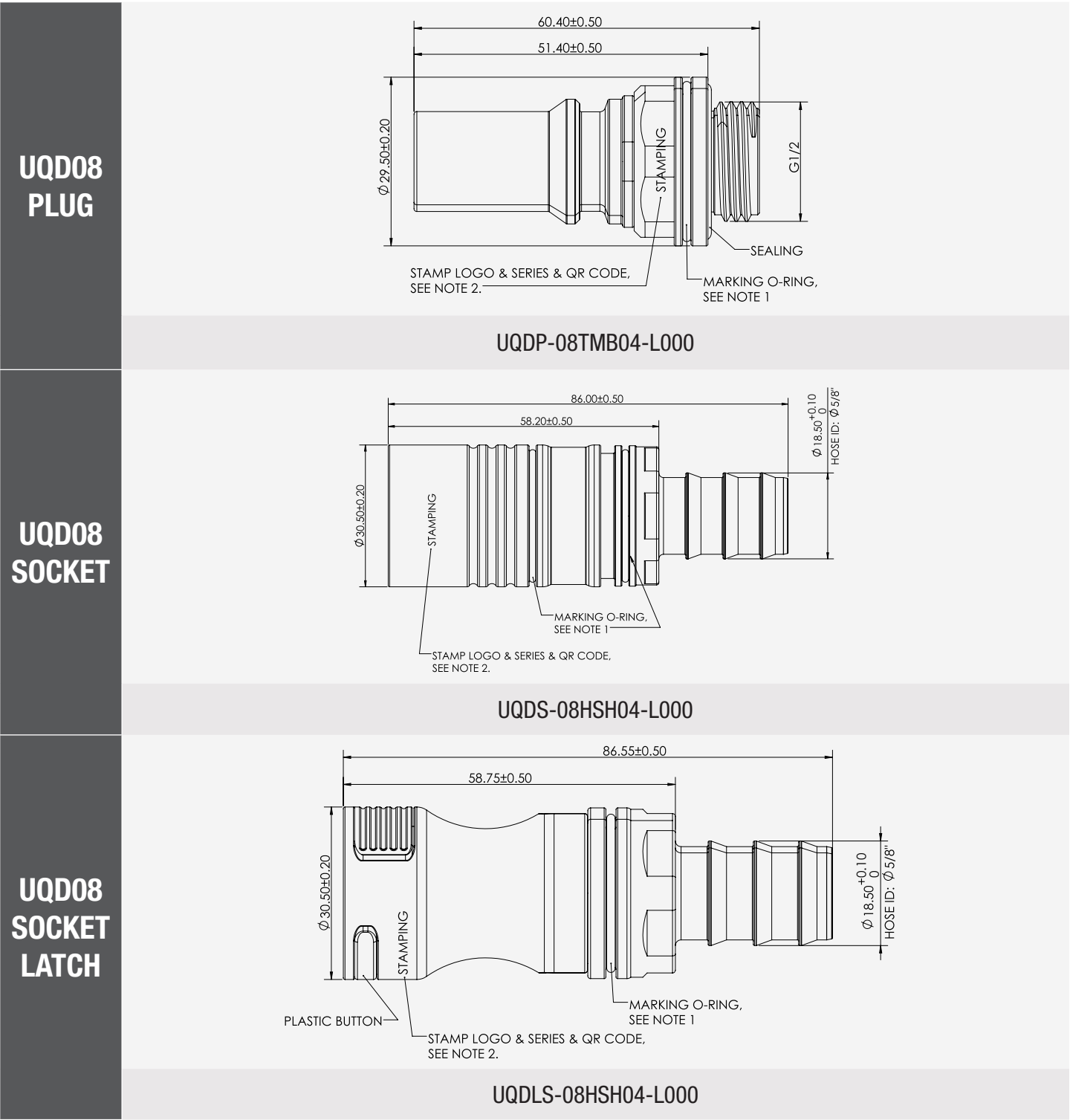
Note:  
1. UQD has color option, -L suffix means Blue, -R means Red.  
2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

UQD06 Dimensions



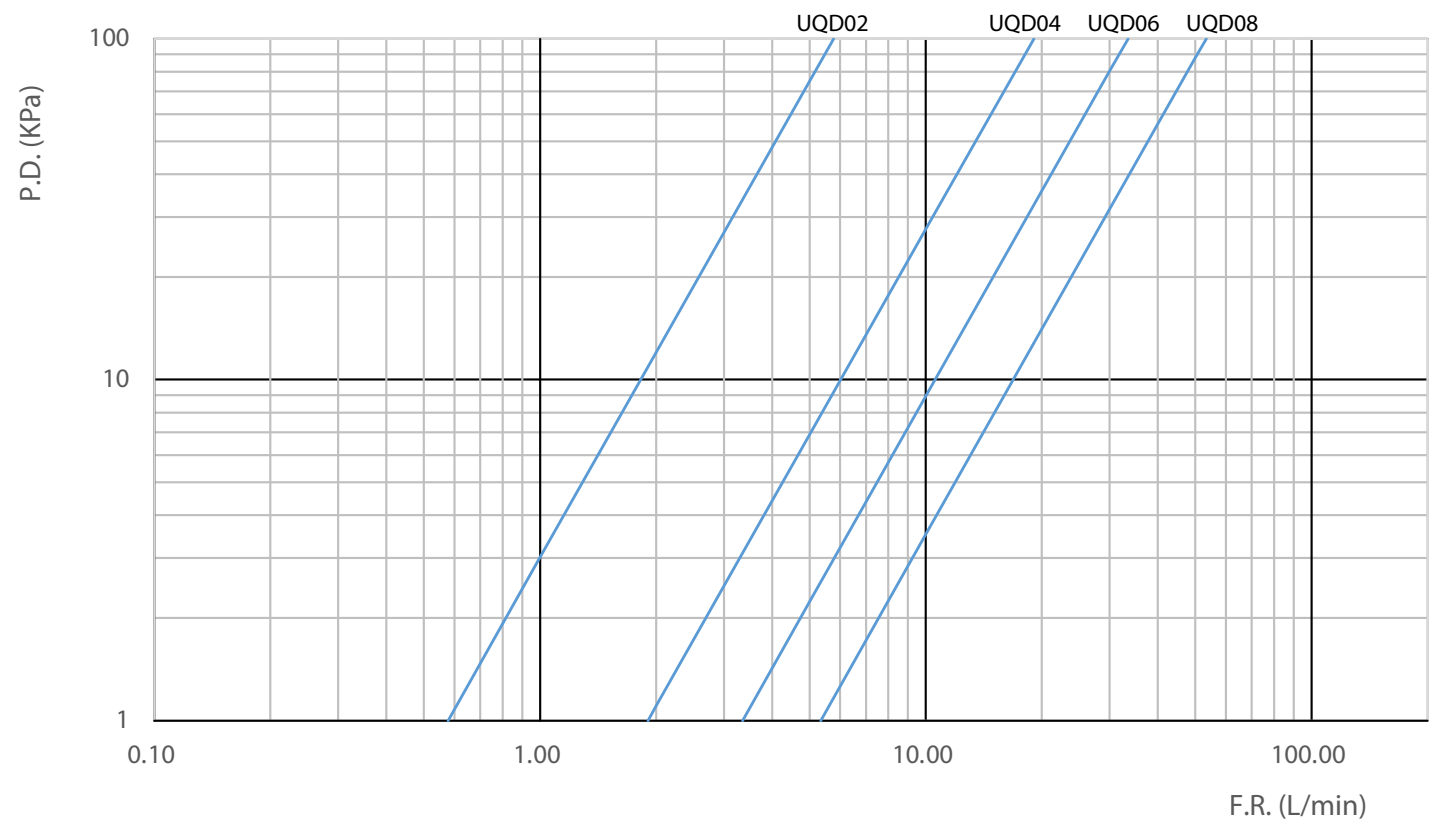
Note:  
1. UQD has color option, -L suffix means Blue, -R means Red.  
2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

UQD08 Dimensions



Note:  
1. UQD has color option, -L suffix means Blue, -R means Red.  
2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

Flow Rate Curve: UQD



Note: Tested by water

UQDB Rev1.0 Product Introduction

The Universal Quick Disconnect Blind-Mate (UQDB) is a liquid cooling fluid connection for data centers developed by the Open Compute Project (OCP) based on global standards which can automatically connect and seal without visual assistance. The UQDB series products use advanced blind-mate technology and high-performance sealing materials to ensure the reliability and durability, simplified the installation and improved efficiency, reduced the difficulty of operation and the risk of mis-operation.

Product Features

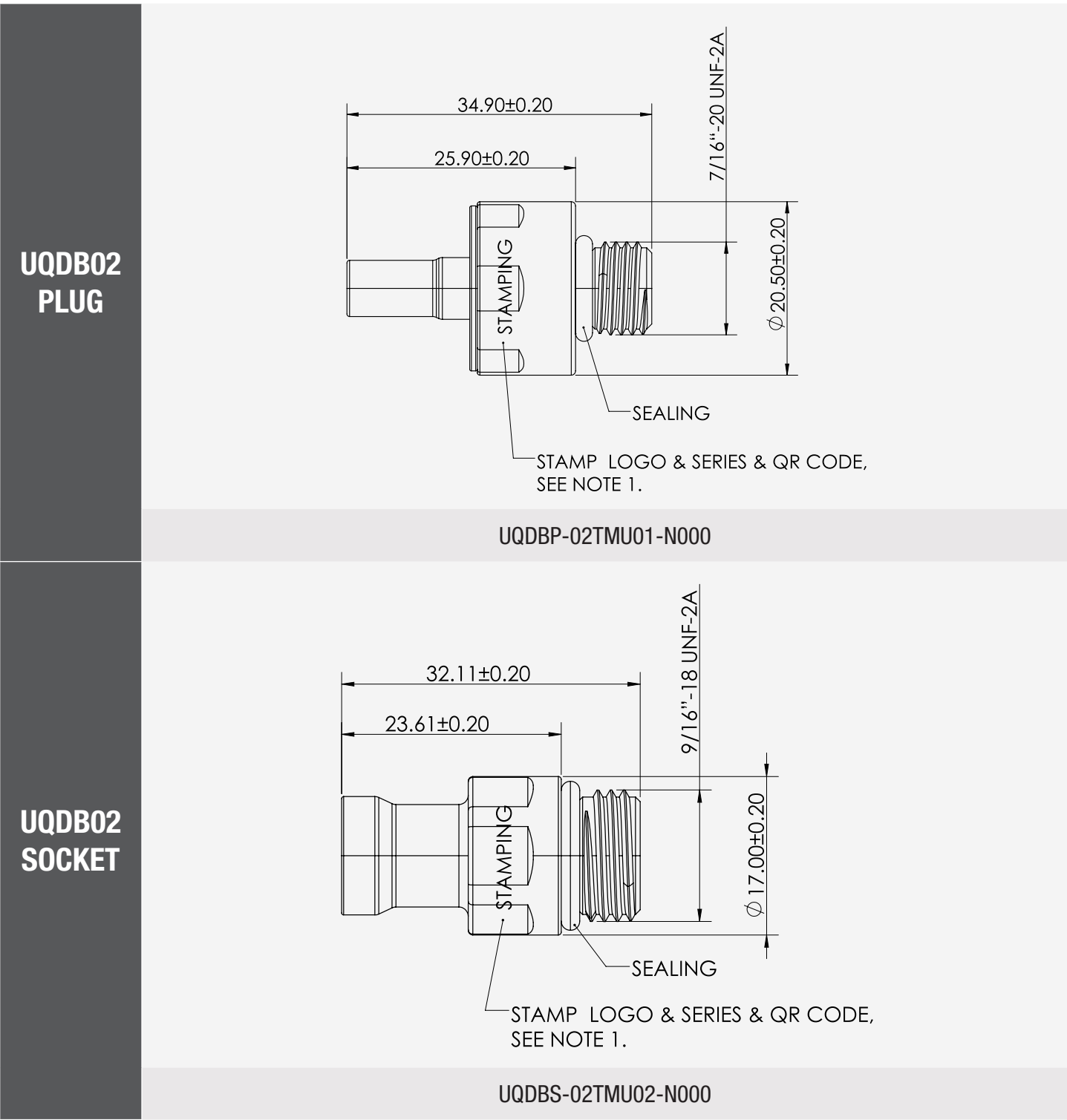
- Blind-mate design, self- alignment feature with radial compensation of 1 mm
- Aerospace-grade sealed for safety and reliability
- Quick plug-in
- Bidirectional shut-off valve & dry-break
- Multiple termination options, such as barb, threads, etc.
- Low flow resistance
- QR code traceability
- Dimensional & performance requirements conform to OCP UQDB Specifications Rev 1.0
- [OCP certified](#)



Product Specifications

|                                |                                                          |               |               |              |
|--------------------------------|----------------------------------------------------------|---------------|---------------|--------------|
| Shell Material                 | Stainless steel                                          |               |               |              |
| Spring (Wetted)                | Corrosion-resistant stainless steel                      |               |               |              |
| Seal                           | EPDM, FKM, FMVQ optional according to the coolant        |               |               |              |
| Working Pressure               | 0~0.6MPa                                                 |               |               |              |
| Safe Pressure                  | 1~2MPa                                                   |               |               |              |
| Size                           | UQDB02/04/06/08 (OCP Standard)                           |               |               |              |
| Temperature                    | Operating Temperature: -40 °C to 105°C                   |               |               |              |
| Sealing                        | Bidirectional dry-break sealed                           |               |               |              |
| Applicable Coolant             | Deionized water, Ethylene glycol, Propylene glycol, etc. |               |               |              |
| Cv Value                       | UQDB02: 0.4                                              | UQDB04:1.32   | UQDB06: 2.11  | UQDB08: 3.83 |
| Fluid Loss (ml)                | UQDB02: 0.004                                            | UQDB04: 0.004 | UQDB06: 0.006 | UQDB08: 0.01 |
| Mating Force (N) at 0 pressure | UQDB02: 49                                               | UQDB04: 58    | UQDB06: 60    | UQDB08: 68   |

UQDB Dimensions

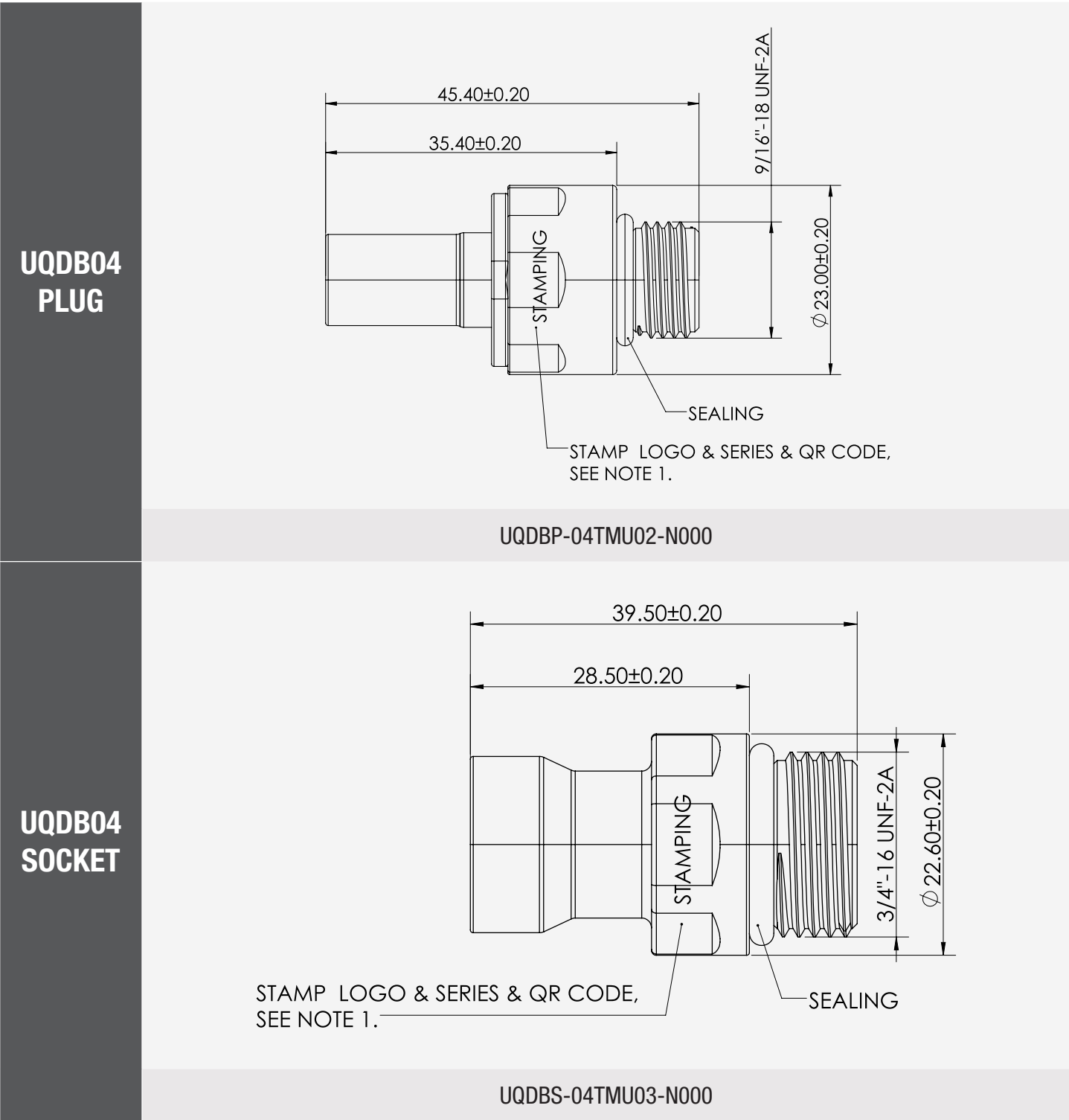


Note:

1. UQDB has no color option.

2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

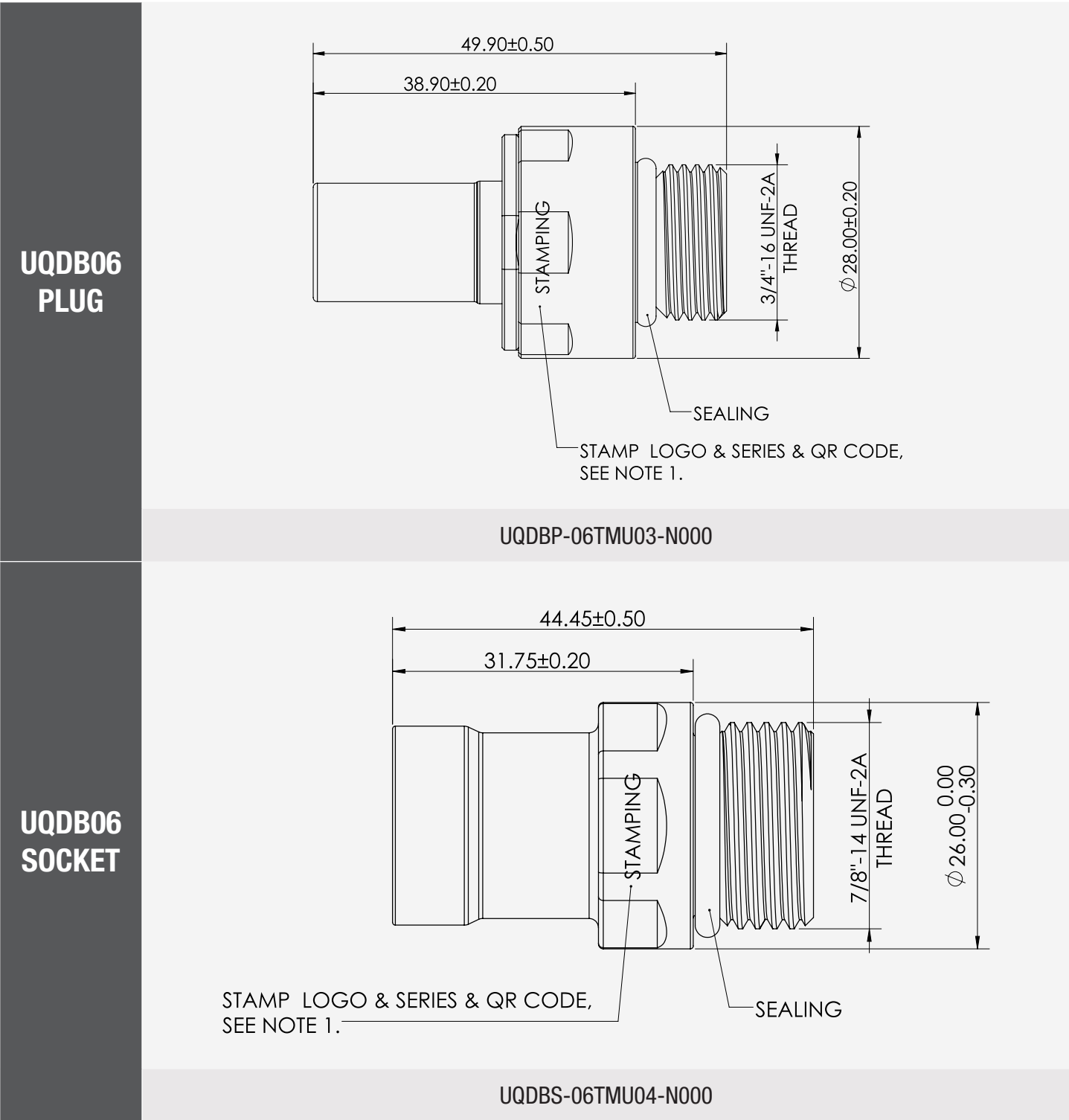
UQDB Dimensions



Note:

- 1. UQDB has no color option.
- 2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

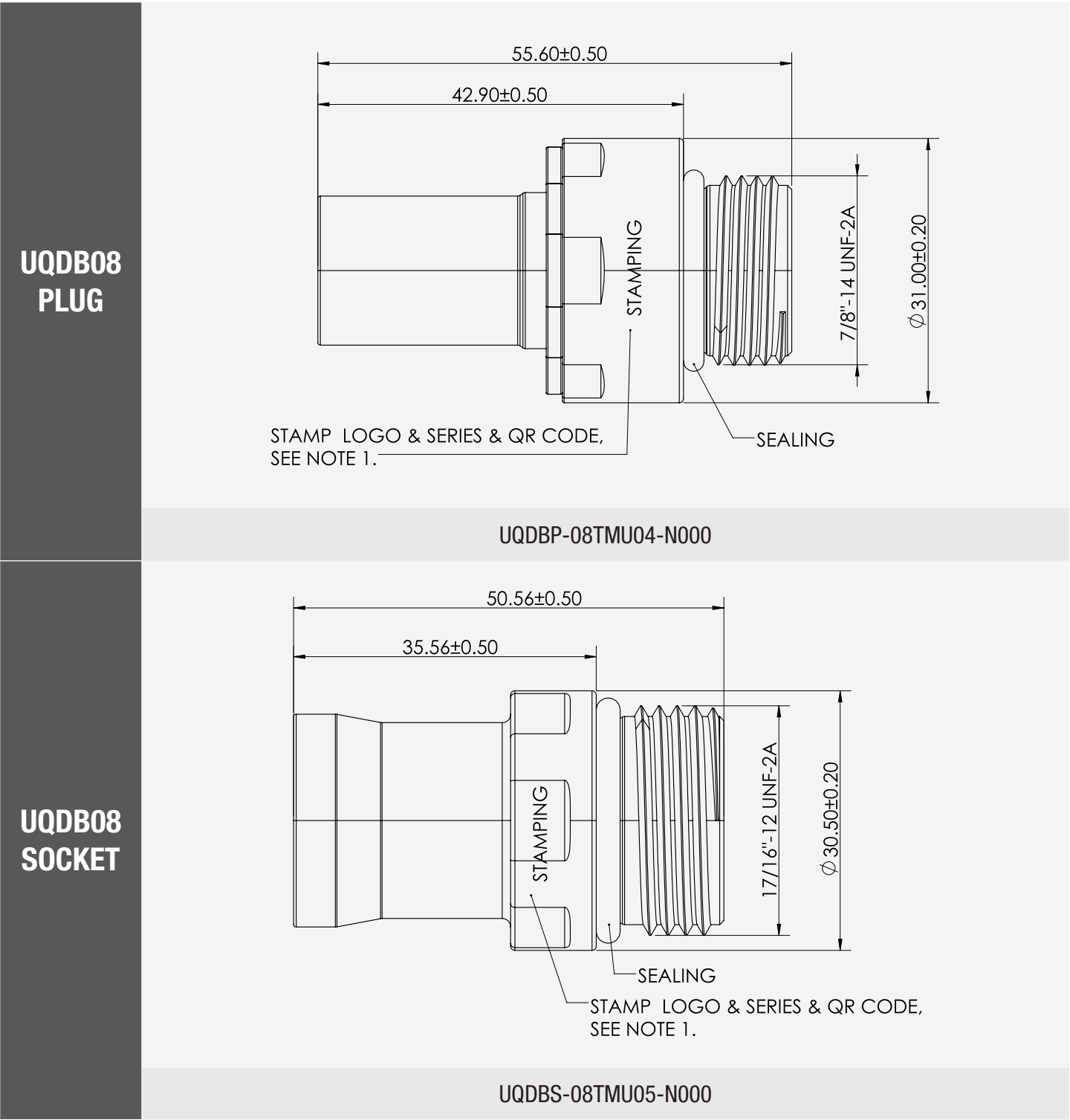
UQDB Dimensions



Note:

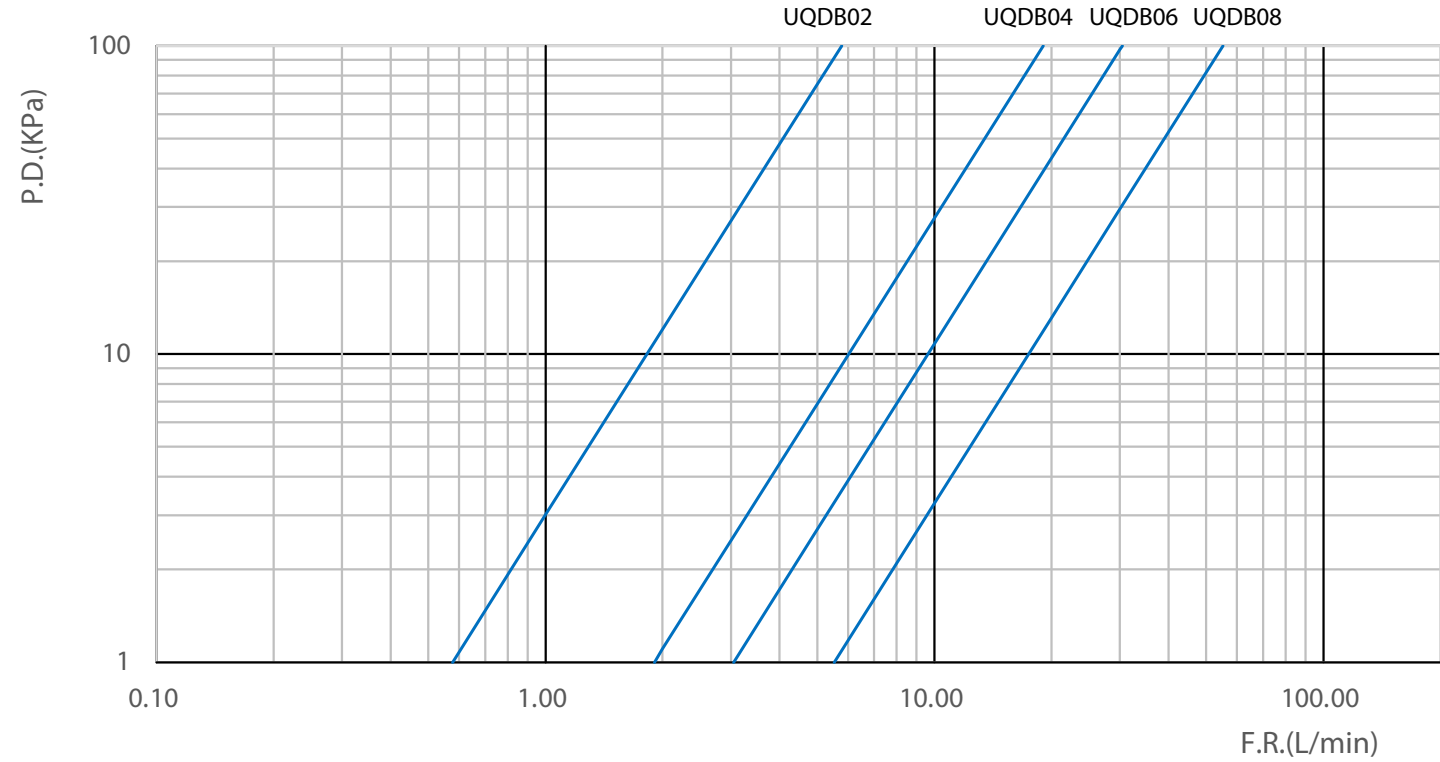
- 1. UQDB has no color option.
- 2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

UQDB Dimensions



- Note:
- 1. UQDB has no color option.
  - 2. For other terminations, please refer to PN list from following page, or contact the Amphenol team.

Flow Rate Curve: UQDB



Note: Tested by water

BMQC Product Introduction

The Blind Mate Quick Connector (BMQC) is a liquid cooling fluid connection for data centers developed by the Open Compute Project (OCP) based on Open Rack V3 that can automatically connect and seal without visual assistance. The BMQC series products use advanced blind-mate technology and high-performance sealing materials to ensure the reliability and durability, simplified the installation and improved efficiency, reduced the difficulty of operation and the risk of mis-operation.

Product Features:

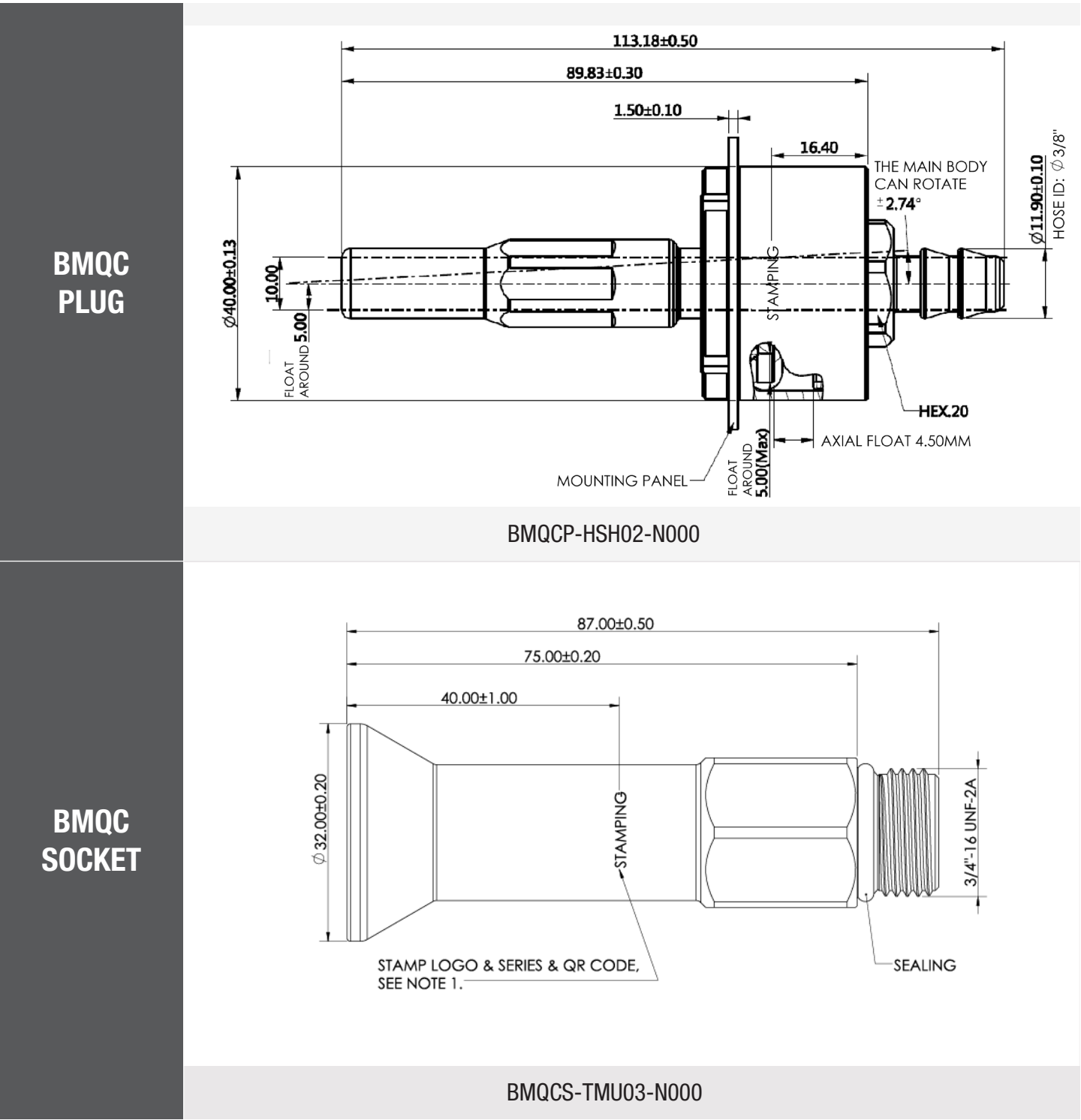
- Self- alignment feature, +/- 5 mm radial and +/- 2.7° angular misalignment tolerance
- Blind-mate design, quick plug-in
- Aerospace-grade sealed for safety and reliability
- Bidirectional shut-off valve & dry-break
- Multiple termination options, such as barb, threads, etc.
- Low flow resistance
- QR code traceability
- Dimensional & performance requirements conform to OCP BMQC Specifications Rev 1.0
- [OCP certified](#)



Product Specifications

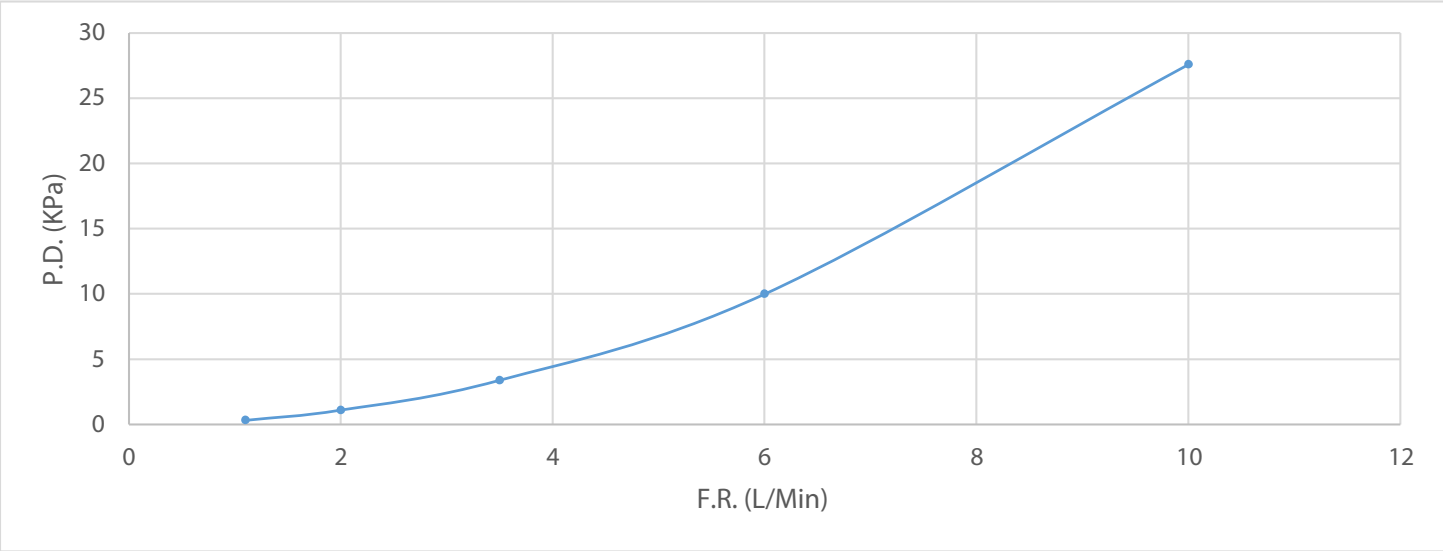
|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Shell Material     | Stainless Steel                                              |
| Spring (Wetted)    | Corrosion-resistant stainless steel                          |
| Seal               | EPDM, FKM, FMVQ Optional according to the coolant            |
| Working Pressure   | 0~0.35MPa                                                    |
| Safe Pressure      | 1.0MPa                                                       |
| Size               | 7mm                                                          |
| Temperature        | -5 °C to 60 °C, with fluid<br>-40 °C to 70 °C, without fluid |
| Sealing            | Bidirectional dry-break sealed                               |
| Applicable Coolant | Deionized water, Ethylene glycol, Propylene glycol, etc.     |
| Cv value           | 1.32                                                         |
| Fluid loss (ml)    | 0.025                                                        |

BMQC Dimensions

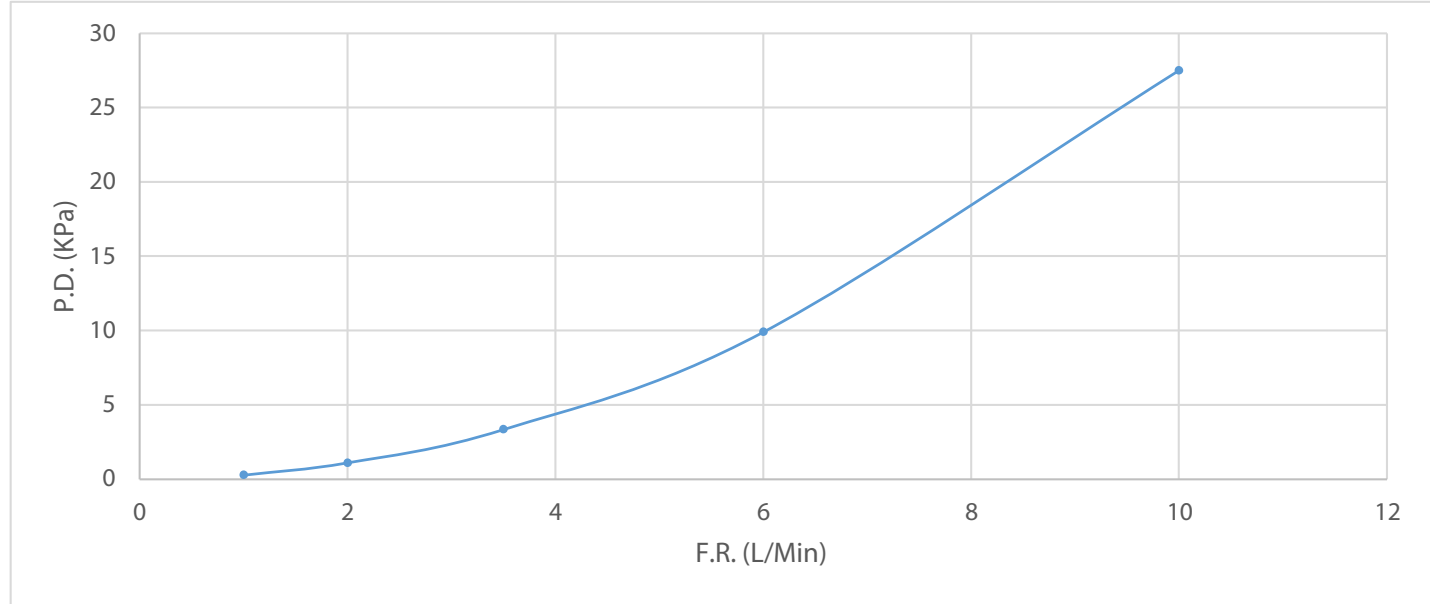


Flow Rate Curve: BMQC

PLUG TO SOCKET



SOCKET TO PLUG



LQC Product Introduction

The Large Quick Connector (LQC), developed under the Open Compute Project (OCP) framework, has set a new international specifications for quick-connect couplings in the data center industry. Key features such as its screw-to-connect locking mechanism, the ability to connect effortlessly under working pressures of up to 1 MPa, and a double redundant O-ring seal for enhanced leak protection make this coupling particularly suited for Coolant Distribution Units (CDUs) in data centers.

Product Features:

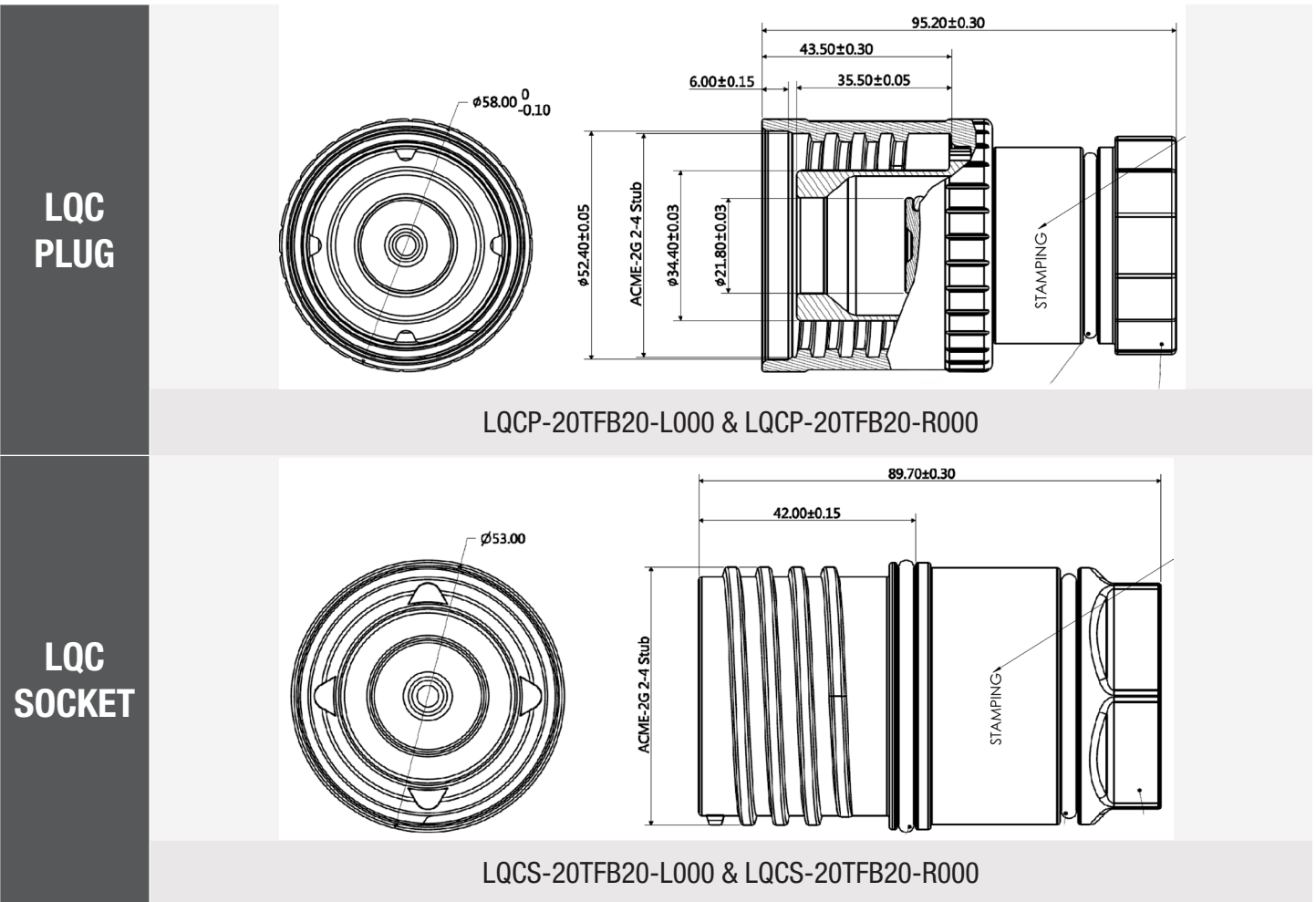
- Aerospace-grade sealed for safety and reliability
- Thread-to-connect quick disconnect for inlets & manifold
- Bidirectional shut-off valve & dry-break
- Low flow resistance
- QR code traceability
- Dimensional & performance requirements conform to OCP LQC Specifications Rev 1.0
- Used in Open Rack V3 Blind Mate Manifold, CDU application



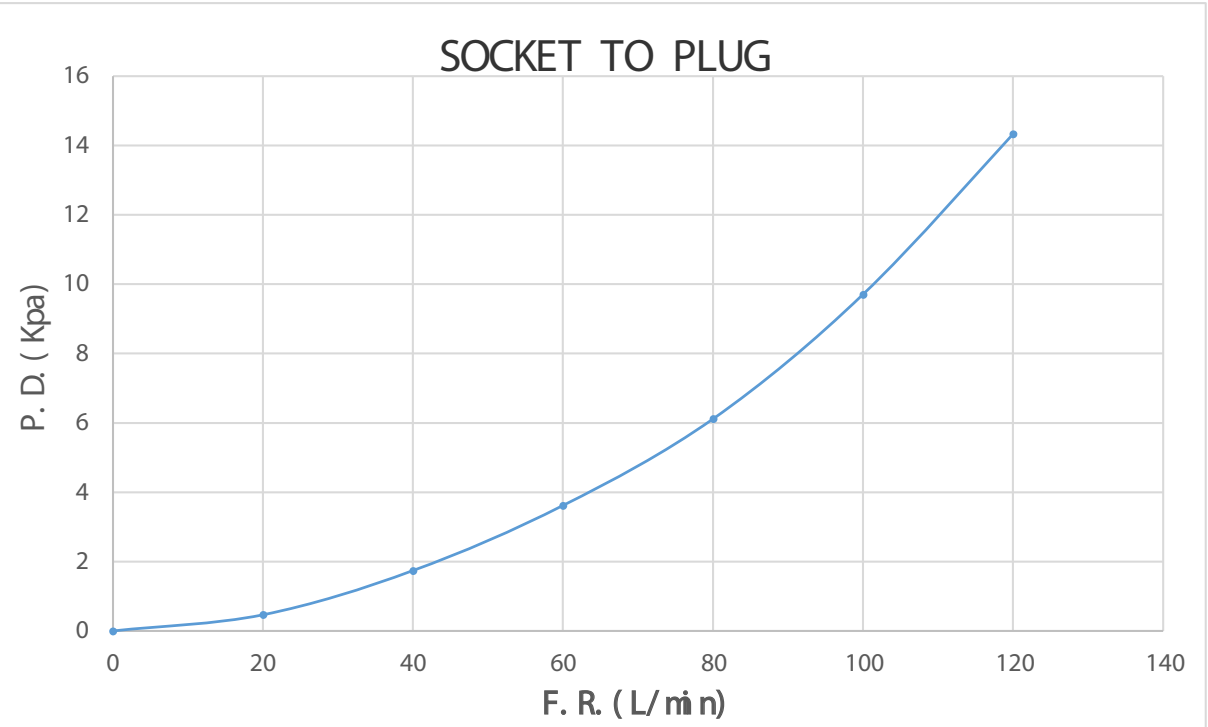
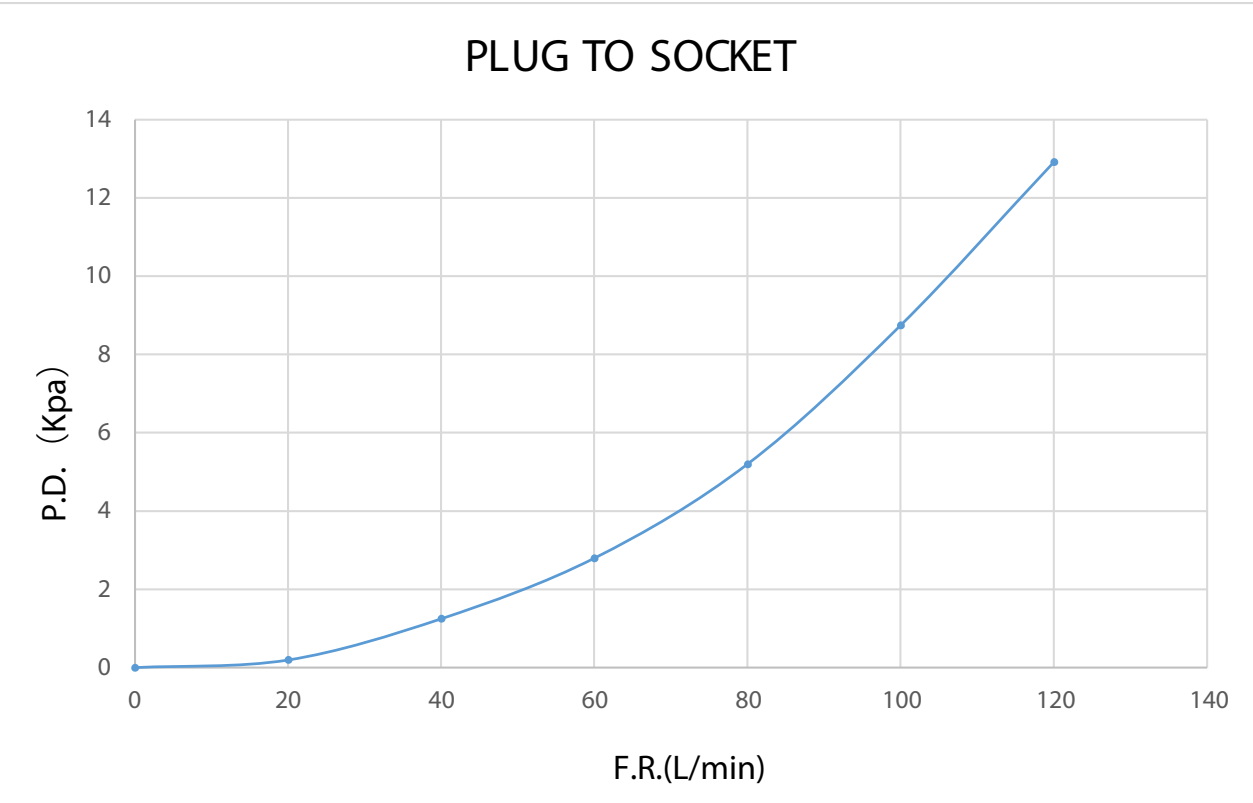
Product Specifications

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Shell Material                        | Stainless Steel                                          |
| Spring/Interlock Pin/Latch/Ball Valve | Corrosion-resistant stainless steel                      |
| Seal Material                         | EPDM, Optional FKM,FMVQ according to the coolant         |
| Rated Flow Rate                       | Refer to flow rate curve                                 |
| Working Pressure                      | 0~1MPa                                                   |
| Safe Pressure                         | 2MPa                                                     |
| Size                                  | 20mm                                                     |
| Fluid Loss (cc.)                      | <0.005(@0.3MPa)                                          |
| Temperature                           | Operating Temperature: -40 °C to 105°C                   |
| Sealing                               | Bidirectional dry-break sealed                           |
| Applicable Coolant                    | Deionized water, Ethylene glycol, Propylene glycol, etc. |
| Termination Type                      | G1 "(BSPP1)<br>(customized design upon request)          |

LQC Dimensions



Flow Rate Curve: LQC

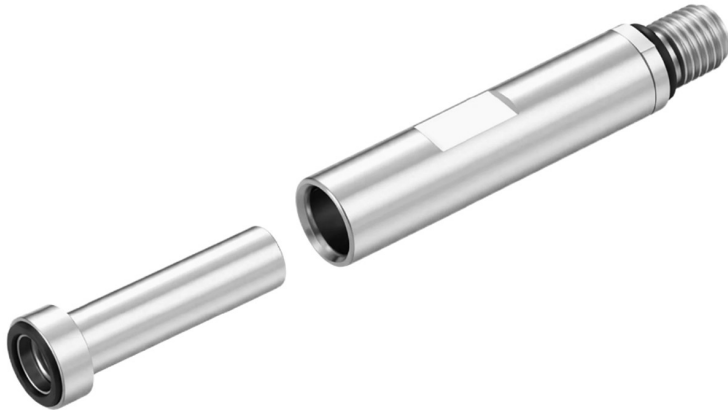


# OMQD Product Introduction

As the demand for higher data rates intensifies, optical modules toward 1.6T and 3.2T capacities—power densities are increasing significantly. Conventional air cooling is approaching its thermal limits, making advanced thermal management solutions critical. The Optical Module Quick Disconnect (OMQD) liquid cooling connector emerges as an innovative solution designed to address these challenges, offering efficient, reliable, and scalable cooling for high-power pluggable transceivers.

## Product Features

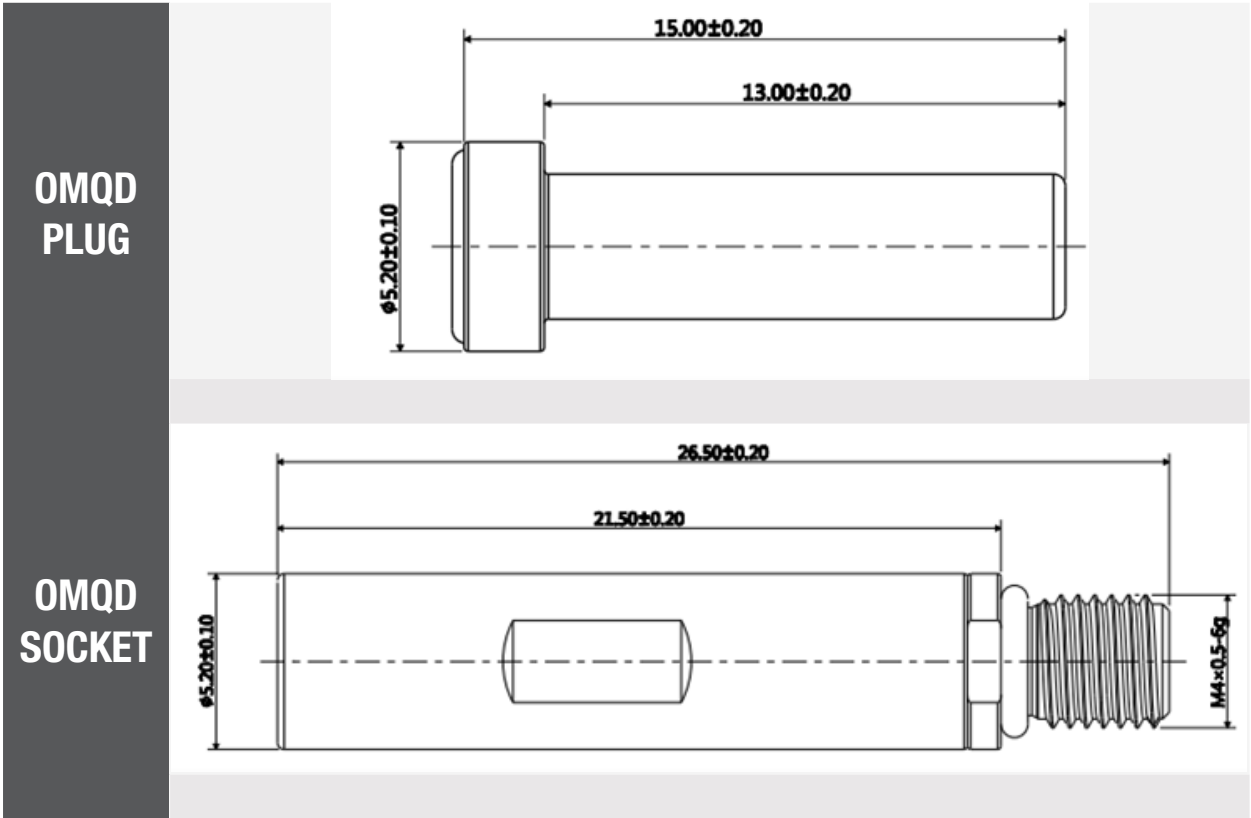
- Super tiny with 1mm fluid diameter
- Blind mate connection with 0.5mm misalignment
- Bidirectional shut-off valve & dry-break
- Low flow resistance
- Benefits for compact optical module application



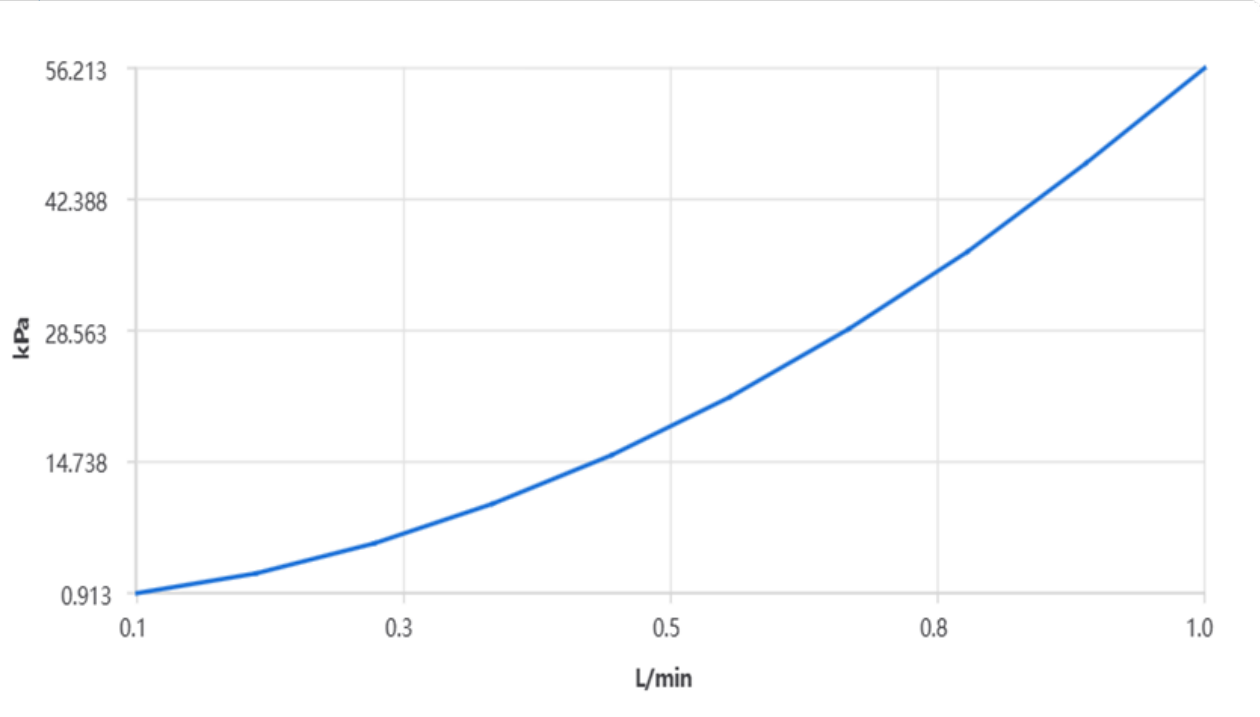
## Product Specifications

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Fluid Diameter                        | 1mm                                                      |
| Misalignment Tolerance                | 0.5mm                                                    |
| Max. Outer Diameter                   | 5.2mm                                                    |
| Shell Material                        | Stainless Steel                                          |
| Spring/Interlock Pin/Latch/Ball Valve | Corrosion-resistant stainless steel                      |
| Seal Material                         | EPDM, Optional FKM, FMVQ according to the coolant        |
| Rated Flow Rate                       | Refer to flow rate curve                                 |
| Working Pressure                      | 0~0.6MPa                                                 |
| Safe Pressure                         | 1MPa                                                     |
| Cv Value                              | 0.084                                                    |
| Temperature                           | Operating Temperature: -20 °C to 70 °C                   |
| Applicable Coolant                    | Deionized water, Ethylene glycol, Propylene glycol, etc. |
| Termination Type                      | Upon request                                             |
| Mating Force(N) at 0 Pressure         | <18N                                                     |

# OMQD Dimensions



## OMQD Flow Rate Vs. Resistance

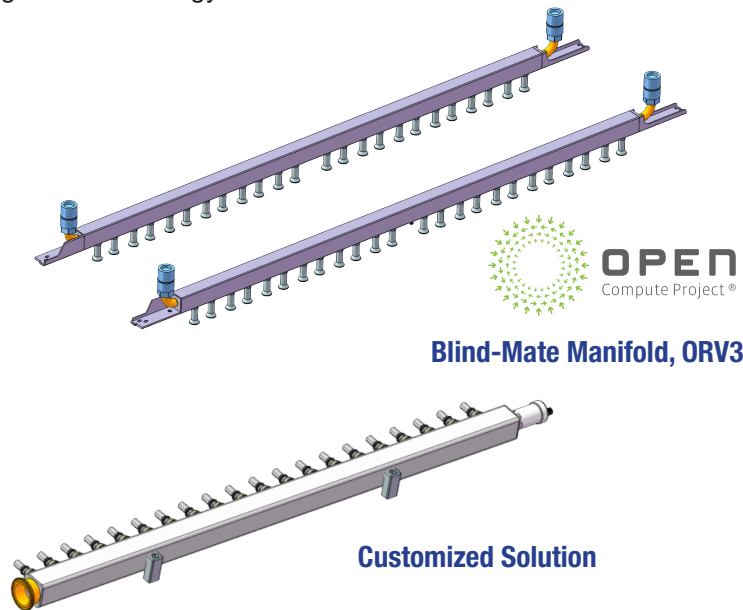


Manifold Product Introduction

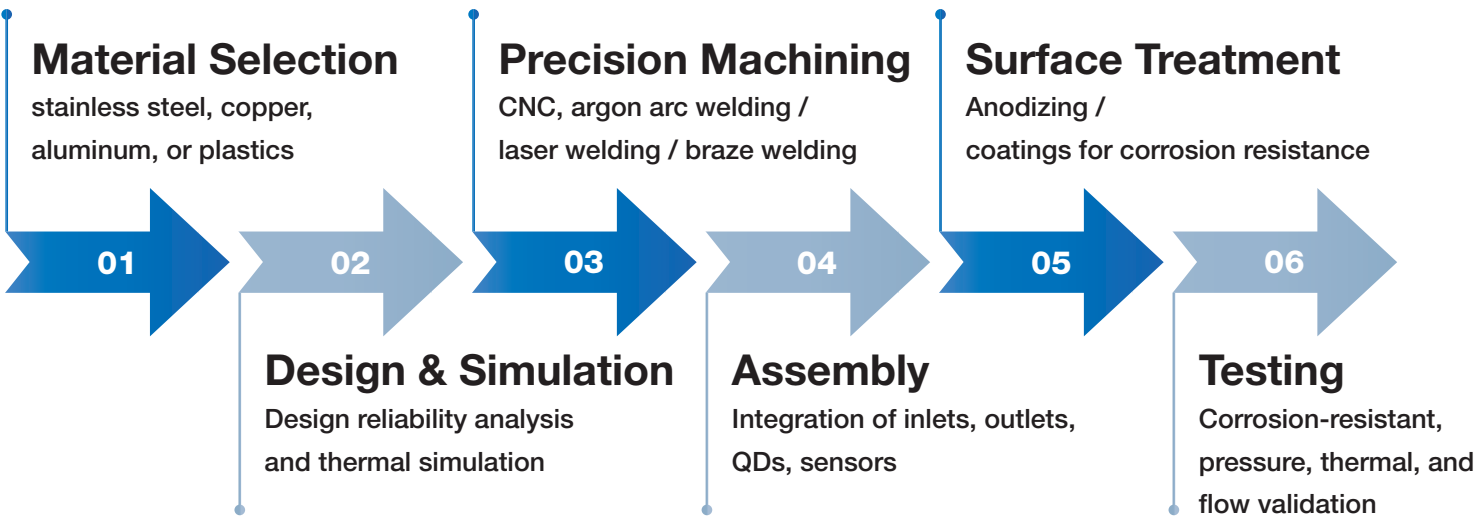
Liquid cooling manifold is a central component in liquid cooling systems designed to efficiently distribute coolant to multiple heat-generating parts (like CPUs, GPUs, or batteries). Acting like a "hub," it splits or directs the flow of coolant through a network of channels and ports, ensuring even cooling across connected components. Made from materials like stainless steel, copper, aluminum, or durable plastics, it balances heat transfer, pressure resistance, and corrosion protection. Its compact, customizable design makes it essential in applications ranging from high performance computers to electric vehicles and industrial machinery, improving thermal management while reducing overheating risks and energy use.

Product Features

- Strong corrosion resistance and high strength
- Durability
- Multi-Channel architecture
- High temperature/pressure resistance
- Leak prevention
- Customization is available
- Quick response with short LT



Development Process



UQDB Standard Product PN (Rev. 1.0)

| CATALOG P/N        | SIZE   | TYPE   | END-CONNECTION                  |
|--------------------|--------|--------|---------------------------------|
| UQDBP-02TMU01-N000 | UQDB02 | PLUG   | male thread, ORB UNF 7/16"-20   |
| UQDBP-04TMU02-N000 | UQDB04 | PLUG   | male thread, ORB UNF 9/16"-18   |
| UQDBP-06TMU03-N000 | UQDB06 | PLUG   | male thread, ORB UNF 3/4"-16    |
| UQDBP-08TMU04-N000 | UQDB08 | PLUG   | male thread, ORB UNF 7/8"-14    |
| UQDBS-02TMU01-N000 | UQDB02 | SOCKET | male thread, ORB UNF 7/16"-20   |
| UQDBS-02TMU02-N000 | UQDB02 | SOCKET | male thread, ORB UNF 9/16"-18   |
| UQDBS-04TMU03-N000 | UQDB04 | SOCKET | male thread, ORB UNF 3/4"-16    |
| UQDBS-06TMU04-N000 | UQDB06 | SOCKET | male thread, ORB UNF 7/8"-14    |
| UQDBS-08TMU05-N000 | UQDB08 | SOCKET | male thread, ORB UNF 1-1/16"-12 |

UQD Standard Product PN (Rev. 1.0)

| CATALOG P/N<br>BLUE COLOR | SIZE  | TYPE         | END-CONNECTION                | CATALOG P/N<br>RED COLOR |
|---------------------------|-------|--------------|-------------------------------|--------------------------|
| UQDP-02TMU01-L000         | UQD02 | PLUG         | male thread, ORB UNF 7/16"-20 | UQDP-02TMU01-R000        |
| UQDP-02TMB01-L000         | UQD02 | PLUG         | male thread, BSP 1/8"         | UQDP-02TMB01-R000        |
| UQDP-02TMB02-L000         | UQD02 | PLUG         | male thread, BSP 1/4"         | UQDP-02TMB02-R000        |
| UQDP-02HSH01-L000         | UQD02 | PLUG         | hose barb straight, 1/4" hose | UQDP-02HSH01-R000        |
| UQDS-02TMB01-L000         | UQD02 | SOCKET       | male thread, BSP 1/8"         | UQDS-02TMB01-R000        |
| UQDS-02TMB02-L000         | UQD02 | SOCKET       | male thread, BSP 1/4"         | UQDS-02TMB02-R000        |
| UQDS-02HSH01-L000         | UQD02 | SOCKET       | hose barb straight, 1/4" hose | UQDS-02HSH01-R000        |
| UQDS-02TMU01-L000         | UQD02 | SOCKET       | male thread, ORB UNF 7/16"-20 | UQDS-02TMU01-R000        |
| UQDS-02TFB02-L000         | UQD02 | SOCKET       | female thread, BSP 1/4"       | UQDS-02TFB02-R000        |
| UQDLS-02TMB01-L000        | UQD02 | SOCKET LATCH | male thread, BSP 1/8"         | UQDLS-02TMB01-R000       |
| UQDLS-02TMB02-L000        | UQD02 | SOCKET LATCH | male thread, BSP 1/4"         | UQDLS-02TMB02-R000       |
| UQDLS-02HSH01-L000        | UQD02 | SOCKET LATCH | hose barb straight, 1/4" hose | UQDLS-02HSH01-R000       |
| UQDLS-02TMU01-L000        | UQD02 | SOCKET LATCH | male thread, ORB UNF 7/16"-20 | UQDLS-02TMU01-R000       |
| UQDLS-02TFB02-L000        | UQD02 | SOCKET LATCH | female thread, BSP 1/4"       | UQDLS-02TFB02-R000       |

UQD Standard Product PN (Rev. 1.0) (Cont.)

| CATALOG P/N<br>BLUE COLOR | SIZE  | TYPE            | END-CONNECTION                | CATALOG P/N<br>RED COLOR |
|---------------------------|-------|-----------------|-------------------------------|--------------------------|
| UQDP-04TMU02-L000         | UQD04 | PLUG            | male thread, ORB UNF 9/16"-18 | UQDP-04TMU02-R000        |
| UQDP-04TMB02-L000         | UQD04 | PLUG            | male thread, BSP 1/4"         | UQDP-04TMB02-R000        |
| UQDP-04TMB03-L000         | UQD04 | PLUG            | male thread, BSP 3/8"         | UQDP-04TMB03-R000        |
| UQDP-04HSH02-L000         | UQD04 | PLUG            | hose barb straight, 3/8" hose | UQDP-04HSH02-R000        |
| UQDP-04HSH01-L000         | UQD04 | PLUG            | hose barb straight, 1/4" hose | UQDP-04HSH01-R000        |
| UQDS-04TMU02-L000         | UQD04 | SOCKET          | male thread, ORB UNF 9/16"-18 | UQDS-04TMU02-R000        |
| UQDS-04TMB03-L000         | UQD04 | SOCKET          | male thread, BSP 3/8"         | UQDS-04TMB03-R000        |
| UQDS-04TMB02-L000         | UQD04 | SOCKET          | male thread, BSP 1/4"         | UQDS-04TMB02-R000        |
| UQDS-04HSH02-L000         | UQD04 | SOCKET          | hose barb straight, 3/8" hose | UQDS-04HSH02-R000        |
| UQDS-04HSH01-L000         | UQD04 | SOCKET          | hose barb straight, 1/4" hose | UQDS-04HSH01-R000        |
| UQDS-04HSH03-L000         | UQD04 | SOCKET          | hose barb straight, 1/2" hose | UQDS-04HSH03-R000        |
| UQDLS-04TMU02-L000        | UQD04 | SOCKET<br>LATCH | male thread, ORB UNF 9/16"-18 | UQDLS-04TMU02-R000       |
| UQDLS-04TMB03-L000        | UQD04 | SOCKET<br>LATCH | male thread, BSP 3/8"         | UQDLS-04TMB03-R000       |
| UQDLS-04TMB02-L000        | UQD04 | SOCKET<br>LATCH | male thread, BSP 1/4"         | UQDLS-04TMB02-R000       |
| UQDLS-04HSH02-L000        | UQD04 | SOCKET<br>LATCH | hose barb straight, 3/8" hose | UQDLS-04HSH02-R000       |
| UQDLS-04HSH01-L000        | UQD04 | SOCKET<br>LATCH | hose barb straight, 1/4" hose | UQDLS-04HSH01-R000       |
| UQDLS-04HSH03-L000        | UQD04 | SOCKET<br>LATCH | hose barb straight, 1/2" hose | UQDLS-04HSH03-R000       |

UQD Standard Product PN (Rev. 1.0) (Cont.)

| CATALOG P/N<br>BLUE COLOR | SIZE  | TYPE            | END-CONNECTION                | CATALOG P/N<br>RED COLOR |
|---------------------------|-------|-----------------|-------------------------------|--------------------------|
| UQDP-06TMB03-L000         | UQD06 | PLUG            | male thread, BSP 3/8"         | UQDP-06TMB03-R000        |
| UQDP-06TMB04-L000         | UQD06 | PLUG            | male thread, BSP 1/2"         | UQDP-06TMB04-R000        |
| UQDP-06TMU03-L000         | UQD06 | PLUG            | male thread, ORB UNF 3/4"-16  | UQDP-06TMU03-R000        |
| UQDS-06TMU03-L000         | UQD06 | SOCKET          | male thread, ORB UNF 3/4"-16  | UQDS-06TMU03-R000        |
| UQDS-06TMB02-L000         | UQD06 | SOCKET          | male thread, BSP 1/4"         | UQDS-06TMB02-R000        |
| UQDS-06TMB03-L000         | UQD06 | SOCKET          | male thread, BSP 3/8"         | UQDS-06TMB03-R000        |
| UQDS-06TMB04-L000         | UQD06 | SOCKET          | male thread, BSP 1/2"         | UQDS-06TMB04-R000        |
| UQDS-06HSH03-L000         | UQD06 | SOCKET          | hose barb straight, 1/2" hose | UQDS-06HSH03-R000        |
| UQDLS-06TMU03-L000        | UQD06 | SOCKET<br>LATCH | male thread, ORB UNF 3/4"-16  | UQDLS-06TMU03-R000       |
| UQDLS-06TMB02-L000        | UQD06 | SOCKET<br>LATCH | male thread, BSP 1/4"         | UQDLS-06TMB02-R000       |
| UQDLS-06TMB03-L000        | UQD06 | SOCKET<br>LATCH | male thread, BSP 3/8"         | UQDLS-06TMB03-R000       |
| UQDLS-06TMB04-L000        | UQD06 | SOCKET<br>LATCH | male thread, BSP 1/2"         | UQDLS-06TMB04-R000       |
| UQDLS-06HSH03-L000        | UQD06 | SOCKET<br>LATCH | hose barb straight, 1/2" hose | UQDLS-06HSH03-R000       |

| CATALOG P/N<br>BLUE COLOR | SIZE  | TYPE            | END-CONNECTION                | CATALOG P/N<br>RED COLOR |
|---------------------------|-------|-----------------|-------------------------------|--------------------------|
| UQDP-08TMB04-L000         | UQD08 | PLUG            | male thread, BSP 1/2"         | UQDP-08TMB04-R000        |
| UQDP-08TMU04-L000         | UQD08 | PLUG            | male thread, ORB UNF 7/8"-14  | UQDP-08TMU04-R000        |
| UQDS-08HSH04-L000         | UQD08 | SOCKET          | hose barb straight, 5/8" hose | UQDS-08HSH04-R000        |
| UQDS-08TMU04-L000         | UQD08 | SOCKET          | male thread, ORB UNF 7/8"-14  | UQDS-08TMU04-R000        |
| UQDLS-08HSH04-L000        | UQD08 | SOCKET<br>LATCH | hose barb straight, 5/8" hose | UQDLS-08HSH04-R000       |
| UQDLS-08TMU04-L000        | UQD08 | SOCKET<br>LATCH | male thread, ORB UNF 7/8"-14  | UQDLS-08TMU04-R000       |

## BMQC Standard Product PN

| CATALOG P/N      | SIZE | TYPE   | End-Connection                         |
|------------------|------|--------|----------------------------------------|
| BMQCP-HSH02-N000 | 7mm  | PLUG   | BMQC,PLUG,hose barb straight,3/8" hose |
| BMQCS-TMU03-N000 | 7mm  | SOCKET | BMQC,SOCKET,male thread,ORB UNF3/4"-16 |

## LQC Standard Product PN

| CATALOG P/N       | SIZE | TYPE   | End-Connection                       |
|-------------------|------|--------|--------------------------------------|
| LQCS-20TFB20-L000 | 20mm | SOCKET | LQC20,SOCKET,thread female G1-B,BLUE |
| LQCS-20TFB20-R000 | 20mm | SOCKET | LQC20,SOCKET,thread female G1-B,RED  |
| LQCP-20TFB20-L000 | 20mm | PLUG   | LQC20,PLUG,thread female G1-B,BLUE   |
| LQCP-20TFB20-R000 | 20mm | PLUG   | LQC20,PLUG,thread female G1-B,RED    |

## SHQD Sourceline Standard Product PN

| CATALOG P/N       | SIZE     | End-Connection                                                            |
|-------------------|----------|---------------------------------------------------------------------------|
| SHQD-50TFB50-N000 | 2 inch   | Sourceline 2 inches ball valve,female thread,BSPP G2-11                   |
| SHQD-50HSH50-N000 | 2 inch   | Sourceline 2 inches ball valve,hose barb straight version, for 2"EPDM     |
| SHQD-50SFF50-N000 | 2 inch   | Sourceline 2 inches ball valve,sanitary flange version                    |
| SHQD-50TMB50-N000 | 2 inch   | Sourceline 2 inches ball valve,male thread,BSPP G2-11                     |
| SHQD-38TFB38-N000 | 1.5 inch | Sourceline 1.5 inches ball valve,female thread,BSPP G1 1/2-11             |
| SHQD-38HSH38-N000 | 1.5 inch | Sourceline 1.5 inches ball valve,hose barb straight version, for 1.5"EPDM |
| SHQD-38SFF38-N000 | 1.5 inch | Sourceline 1.5 inches ball valve,sanitary flange version                  |
| SHQD-38TMB38-N000 | 1.5 inch | Sourceline 1.5 inches ball valve,male thread,BSPP G1 1/2-11               |
| SHQD-25TFB25-N000 | 1 inch   | Sourceline 1 inch ball valve,female thread,BSPP G1-11                     |
| SHQD-25HSH25-N000 | 1 inch   | Sourceline 1 inch ball valve,hose barb straight version, for 1"EPDM       |
| SHQD-25SFF25-N000 | 1 inch   | Sourceline 1 inch ball valve,sanitary flange version                      |
| SHQD-25TMB25-N000 | 1 inch   | Sourceline 1 inch ball valve,male thread,BSPP G1-11                       |

## MQD Standard Product PN

| CATALOG P/N        | SIZE | TYPE   | End-Connection                   |
|--------------------|------|--------|----------------------------------|
| MQDP-02HSH06-L000  | 2    | PLUG   | MQD02 PLUG HS OD 8.64mm,BU       |
| MQDP-02HSH06-R000  | 2    | PLUG   | MQD02 PLUG HS OD 8.64mm,RD       |
| MQDP-02HSHV06-L000 | 2    | PLUG   | MQD02 PLUG 90°HS OD 8.64mm,BU    |
| MQDP-02HSHV06-R000 | 2    | PLUG   | MQD02 PLUG 90° HS OD 8.64mm,RD   |
| MQDS-02TMU01-L000  | 2    | SOCKET | MQD02 SKT TM UNF7/16"-20,BU      |
| MQDS-02TMU01-R000  | 2    | SOCKET | MQD02 SKT TM UNF7/16"-20,RD      |
| MQDP-03TMU01-L000  | 3    | PLUG   | MQD03 PLUG TM UNF7/16"-20,BU     |
| MQDP-03TMU01-R000  | 3    | PLUG   | MQD03 PLUG TM UNF7/16"-20,RD     |
| MQDP-03TMVU01-L000 | 3    | PLUG   | MQD03 PLUG 90° TM UNF7/16"-20,BU |
| MQDP-03TMVU01-R000 | 3    | PLUG   | MQD03 PLUG 90° TM UNF7/16"-20,RD |
| MQDS-03TMB02-L000  | 3    | SOCKET | MQD03 SKT TM BSPP1/4",BU         |
| MQDS-03TMB02-R000  | 3    | SOCKET | MQD03 SKT TM BSPP1/4",RD         |
| MQDP-04TMU01-L000  | 4    | PLUG   | MQD04 PLUG TM UNF7/16"-20,BU     |
| MQDP-04TMU01-R000  | 4    | PLUG   | MQD04 PLUG TM UNF7/16"-20,RD     |
| MQDP-04TMVU01-L000 | 4    | PLUG   | MQD04 PLUG 90° TM UNF7/16"-20,BU |
| MQDP-04TMVU01-R000 | 4    | PLUG   | MQD04 PLUG 90° TM UNF7/16"-20,RD |
| MQDS-04TMB03-L000  | 4    | SOCKET | MQD04 SKT TM BSPP3/8",BU         |
| MQDS-04TMB03-R000  | 4    | SOCKET | MQD04 SKT TM BSPP3/8",RD         |

## UQD/UQDB Standard Product PN (Rev. 2.0)

| CATALOG P/N          | SIZE   | TYPE   | End-Connection                                    |
|----------------------|--------|--------|---------------------------------------------------|
| UQDSV2-02HSH01-L000  | UQD02  | SOCKET | UQD02-V2,SOCKET,hose barb straight,1/4" hose,BLUE |
| UQDSV2-02HSH01-R000  | UQD02  | SOCKET | UQD02-V2,SOCKET,hose barb straight,1/4" hose,RED  |
| UQDPV2-02TMU01-L000  | UQD02  | PLUG   | UQD02-V2,PLUG,male thread,UNF7/16"-20 UNF-2A,BLUE |
| UQDPV2-02TMU01-R000  | UQD02  | PLUG   | UQD02-V2,PLUG,male thread,UNF7/16"-20 UNF-2A,RED  |
| UQDBSV2-02TMU02-N000 | UQDB02 | SOCKET | UQDB02-V2,SOCKET,male thread,UNF9/16"-18 UNF-2A   |
| UQDBPV2-02TMU01-N000 | UQDB02 | PLUG   | UQDB02-V2,PLUG,male thread,UNF7/16"-20 UNF-2A     |
| UQDSV2-04HSH02-L000  | UQD04  | SOCKET | UQD04-V2,SOCKET,hose barb straight,3/8" hose,BLUE |
| UQDSV2-04HSH02-R000  | UQD04  | SOCKET | UQD04-V2,SOCKET,hose barb straight,3/8" hose,RED  |
| UQDPV2-04TMU02-L000  | UQD04  | PLUG   | UQD04-V2,PLUG,male thread,UNF9/16"-18 UNF-2A,BLUE |
| UQDPV2-04TMU02-R000  | UQD04  | PLUG   | UQD04-V2,PLUG,male thread,UNF9/16"-18 UNF-2A,RED  |
| UQDBSV2-04TMU03-N000 | UQDB04 | SOCKET | UQDB04-V2,SOCKET,male thread,UNF3/4"-16 UNF-2A    |
| UQDBPV2-04TMU02-N000 | UQDB04 | PLUG   | UQDB04-V2,PLUG,male thread,UNF9/16"-18 UNF-2A     |

UQD/UQDB Standard Product PN (Rev. 2.0) (Cont.)

| CATALOG P/N          | SIZE   | TYPE   | End-Connection                                    |
|----------------------|--------|--------|---------------------------------------------------|
| UQDSV2-06HSH03-L000  | UQD06  | SOCKET | UQD06-V2,SOCKET,hose barb straight,1/2"hose,BLUE  |
| UQDSV2-06HSH03-R000  | UQD06  | SOCKET | UQD06-V2,SOCKET,hose barb straight,1/2"hose,RED   |
| UQDPV2-06TMU03-L000  | UQD06  | PLUG   | UQD06-V2,PLUG,male thread,UNF3/4"-16 UNF-2A,BLUE  |
| UQDPV2-06TMU03-R000  | UQD06  | PLUG   | UQD06-V2,PLUG,male thread,UNF3/4"-16 UNF-2A,RED   |
| UQDBSV2-06TMU04-N000 | UQDB06 | SOCKET | UQDB06-V2,SOCKET,male thread,UNF7/8"-14 UNF-2A    |
| UQDBPV2-06TMU03-N000 | UQDB06 | PLUG   | UQDB06-V2,PLUG,male thread,UNF3/4"-16 UNF-2A      |
| UQDSV2-08HSH04-L000  | UQD08  | SOCKET | UQD08-V2,SOCKET,hose barb straight,5/8"hose,BLUE  |
| UQDSV2-08HSH04-R000  | UQD08  | SOCKET | UQD08-V2,SOCKET,hose barb straight,5/8"hose,RED   |
| UQDPV2-08TMU04-L000  | UQD08  | PLUG   | UQD08-V2,PLUG,male thread,7/8"-14 UNF-2A,BLUE     |
| UQDPV2-08TMU04-R000  | UQD08  | PLUG   | UQD08-V2,PLUG,male thread,7/8"-14 UNF-2A,RED      |
| UQDBSV2-08TMU05-N000 | UQDB08 | SOCKET | UQDB08-V2,SOCKET,male thread,UNF1-1/16"-12 UNF-2A |
| UQDBPV2-08TMU04-N000 | UQDB08 | PLUG   | UQDB08-V2,PLUG,male thread,UNF7/8"-14 UNF-2A      |

For any customized solution requests, please  
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