

Fact Sheet

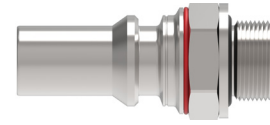
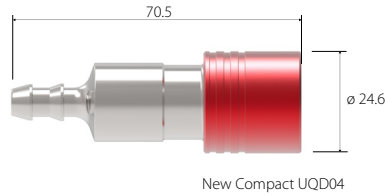
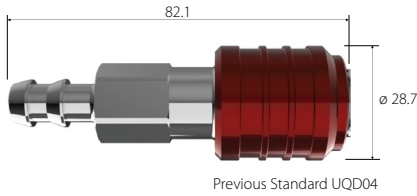
# Danfoss Hansen® Compact UQD and UQDB NVIDIA GB200 qualified products per RVL11814



**Danfoss Hansen® UQD is designed (per OCP) for high flow rate and no spillage. The Universal Quick Disconnect coupling is perfect for in-rack applications with smaller hose lines. Available in 4 sizes and 2 color options. Danfoss Hansen® UQDB is designed (per OCP) for high flow rate and no spillage, the Universal Quick Disconnect Blind-Mate coupling is perfect for in-rack applications where self-alignment is required due to limited accessibility. Will be available in 4 sizes.**

### Product Features

- High flow and low pressure drop resulting in reduction in overall energy consumption.
- Designed to minimize any risk of leaks that can cause costly damage, downtime, and safety issues.
- 100% Helium leak tested.
- UQD / UQDB Manufacturing: Global manufacturing and availability.



## UQD

| Size | Flow diameter | Max. Operating Pressure |       | Min. Burst Pressure |       | Flow  |       | Fluid Loss (cc. max) | CV Value |
|------|---------------|-------------------------|-------|---------------------|-------|-------|-------|----------------------|----------|
|      | (mm)          | (bar)                   | (psi) | (bar)               | (psi) | (lpm) | (gpm) |                      |          |
| 02   | 2.8           | 20                      | 290   | 60                  | 870   | 2.1   | 0.6   | 0.007                | 0.33     |
| 04   | 5.5           | 16                      | 232   | 48                  | 696   | 6.4   | 1.7   | 0.01                 | 1.37     |
| 06   | 6.3           | 6.9                     | 100   | 20.7                | 300   | 11.4  | 3.0   | 0.022                | 2.37     |
| 08   | 8.9           | 6.9                     | 100   | 20.7                | 300   | 17.8  | 4.7   | 0.03                 | 5.32     |

**RVL11814 Listed Part Numbers:** 4UQS25HARDS11, 4UQS25HABLS11, 4UQS37HARDS11, 4UQS37HABLS11, 4UQP56ORMRD, 4UQP56ORMBL

**UQD Available Sizes:** 1/8", 1/4", 3/8", 1/2"

**End Connections:** ORB, Hose barb, BSPP

**Material:** SS303 + EPDM

### Advantages of new Compact UQD04:

- Short overall length and diameter, less than 26 mm to allow assembly in the server.
- Socket available in either 1/4" hose barb or 3/8" hose barb option.
- Force to disconnect reduced by 40% by optimizing latch design from 82N to 48N without pressure.
- CV of new design is 1.37 (60% better than OCP spec).
- Spillage is 10 times better than OCP spec.

### Features and benefits maintained from Standard version:

- Colour anodized sleeve for easy differentiation on hot vs cold line. Clean visibility due to full colour sleeve.
- Allows connect under pressure and disconnect under pressure up to 5 bar.
- 100% helium leak tested.
- Design capable to handle pressure above 7 bar.



## UQDB

| Size | Flow diameter | Max. Operating Pressure |       | Min. Burst Pressure |       | Flow  |       | Fluid Loss (cc. max) | CV Value |
|------|---------------|-------------------------|-------|---------------------|-------|-------|-------|----------------------|----------|
|      | (mm)          | (bar)                   | (psi) | (bar)               | (psi) | (lpm) | (gpm) |                      |          |
| 04   | 5.5           | 16                      | 232   | 48                  | 696   | 6.4   | 1.7   | 0.025                | 1.23     |

**RVL11814 Listed Part Numbers:** 4UQBS75ORM

**UQD Available Sizes:** 1/4"

**Future Sizes:** 1/8", 3/8", 1/2"

**End Connections:** ORB

**Material:** SS303 + EPDM