

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:** 4UQB575ORM

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

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

**End Connections:** ORB

**Material:** SS303 + EPDM

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