EVERIS® UQDB08 & UQD08
HYBRID CONNECTOR SET

Everis® UQD(B)08 series quick disconnect (QD) blind socket and plug

with 1/2" flow are designed for large scale liquid cooling. These quick disconnects are optimized for blindmate connections in rack-mounted integrations.

Ideal product for customers seeking to not just meet OCP v2 standards but exceed them. Made with CPC's patented valve design, which has been trusted in the world's top supercomputers for years. These QDs with 304 stainless steel offer ease-of-use, reliability, high performance, and resistance to corrosion while maximizing flow for next-gen applications.

With global supply and local support for AI Data Center needs, CPC offers standard lead time of 5 days for the UQD(B)08 set and capacity potential to supply millions per month.

SPECIFICATIONS

PRESSURE:
Vacuum to 100 psi, 6.9 bar

TEMPERATURE:
Operating:
41°F to 149°F (5°C to 65°C)
Storage/Shipping*:
-40°F to 167°F (-40°C to 75°C)

MATERIALS:
Main Components: 304 Stainless steel
Valves: PEI
Valve Spring (wetted): Stainless steel
Seals: EPDM o-rings
Compliance: RoHS, REACH

COLOR: Metallic

THREAD SIZES:
SAE-10 (UQD08)
SAE-12 (UQDB08)

LUBRICANTS: Krytox® PFPE

SPILLAGE:
<0.020 cc per disconnect at 0 psi

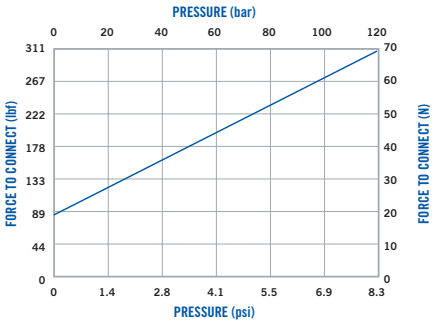
INCLUSION: <0.37 cc per connect

FLOW COEFFICIENT:
Cv ~ 4.75 max (4.11 Kv)

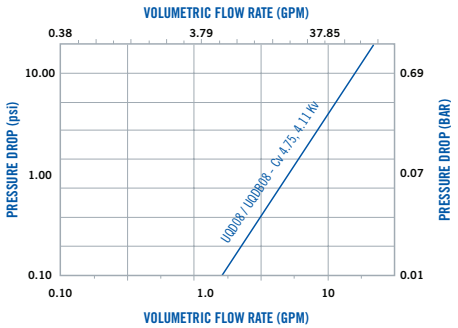
*The specified shipping and storage temperature range is specific to the CPC product and does not apply to external packaging or shipping materials.

FEATURES	BENEFITS
Non-spill valve design	Dry break; disconnect under pressure with no spills
Redundant seals in connected state	Extra protection from leaks
High flow capacity with low pressure drop	Increased system energy efficiency
Threaded terminations	Enables server and rack manifold mounting
Designed for OCP interoperability	Seamless system integration
Manufactured from 304 stainless steel	Inherently corrosion resistant
V2 design is backwards compatible with prior OCP specifications	Design, supply, and assembly simplicity
Designed and manufactured for scale	Supply chain assurance
Serialization	Lot Traceability

UQDB08 & UQD08 FORCE TO CONNECT



UQDB08 & UQD08 FLOW RATE



These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact CPC for flow of a particular coupling combination.

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EVERIS® UQDB08 SERIES DIMENSIONS

COUPLING SOCKET - Stainless steel

TERMINATION	TUBING/THREAD SIZE	PART NUMBER	HEX	A	B	C
STRAIGHT THREAD SAE	3/4 SAE-12: 1-1/16-12[1]	UQDB08D30012	27 mm	1.30 (33.0)	1.99 (50.5)	1.40 (35.6)

[1]All SAE terminations are compatible with SAE J1926-1 ports.

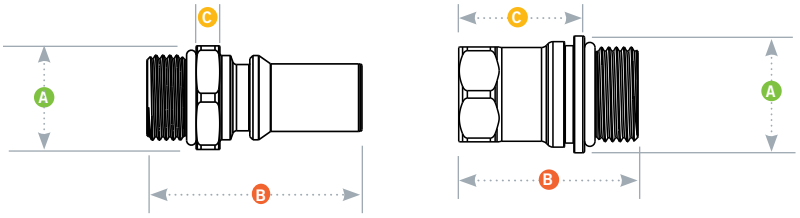
EVERIS® UQD08 SERIES DIMENSIONS

COUPLING PLUG - Stainless steel

TERMINATION	TUBING/THREAD SIZE	PART NUMBER	HEX	A	B	C
IN-LINE STRAIGHT THREAD SAE	5/8 SAE-10: 7/8-14[1]	UQD08D46010BLK	27 mm	1.17 (29.7)	2.19 (55.6)	0.24 (6.1)

[1]All SAE terminations are compatible with SAE J1926-1 ports.

PRODUCT DIMENSIONS



A = Height/Diameter
B = Total Length
C = Connected Length

All measurements are in inches (millimeters) unless otherwise noted.

SCAN

cpcworldwide.com/UQD08-UQDB08-Hybrid