

EVERIS® UQDB04 SERIES CONNECTOR

Everis® UQDB04 Series quick disconnect couplings

Designed for liquid cooling of server blades for data centers and made of stainless steel, Everis UQDB04 blind mate quick disconnects with 1/4" flow are reliable, robust and resistant to corrosion. The Everis UQDB04 quick disconnect is a liquid cooling coupling designed to the OCP specification.



SPECIFICATIONS

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

Operating:

36°F to 167°F (2°C to 75°C)

Storage/Shipping:

-40°F to 167°F (-40°C to 75°C)

MATERIALS:

Main Components: 303 Stainless steel

Valves and Thumb Latch: High-performance polymer

Valve Springs (wetted): Stainless steel

External Spring: Stainless steel

Seals: EPDM

Compliance: RoHS, REACH

THREAD SIZES:

SAE-8

LUBRICANTS:

Krytox® PFPE

SPILLAGE:

<0.025 cc per disconnect rated at 0 psi

<0.055 cc per disconnect rated at 120 psi

FLOW COEFFICIENT:

Cv ~ 1.3 max (1.12 Kv)

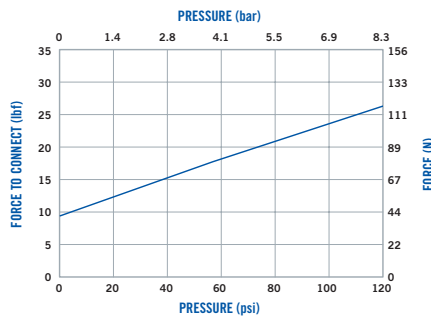
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES

- Non-spill valve design → Dry break. Disconnect under pressure with no spills
- Redundant seals in circular state when connected → Extra protection from leaks over an extended period of time
- High flow capacity with low pressure drop → Efficient, cost-effective cooling
- Threaded terminations → For rack and manifold mounting
- Intel-inspired design → Compliance with OCP standard for interoperability
- Designed and manufactured for scale → Supply chain assurance

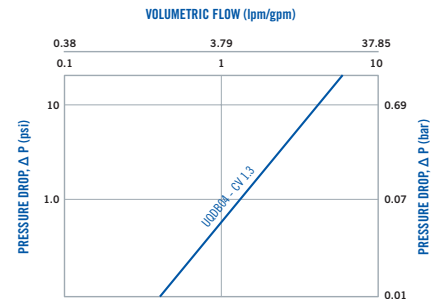
BENEFITS

UQDB04 FORCE TO CONNECT



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.

UQDB04 FLOW RATE



The Everis UQDB04 quick disconnect meets the flow requirements at the 1 mm disconnect distance per the OCP specification.



cpcworldwide.com/Everis-UQDB04



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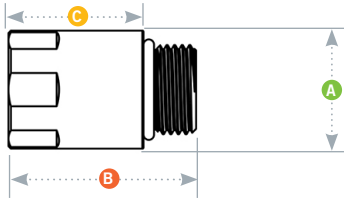
EVERIS® UQDB04 SERIES DIMENSIONS

COUPLING BODIES - Stainless steel



TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	PART NUMBER	A	B	C
1/2" SAE THREAD	SAE-8	12.7	4509800	0.98 (24.9)	1.56 (39.6)	1.12 (28.5)

PRODUCT DIMENSIONS



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

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

WARRANTY: All sales are subject to Colder Products Company's limited express warranty set forth in the CPC catalog. Contact your local distributor or CPC Customer Service for warranty provisions.

Warning: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

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