

EVERIS® LQ4S SERIES CONNECTOR



Everis® LQ4S Series quick disconnect couplings

Offering a notable 1/4" flow relative to external dimensions, the couplings' patented design offers reliable long-term connections and dry break to protect sensitive equipment. EPDM seals are standard. For other seal options or terminations, contact CPC.

SPECIFICATIONS

PRESSURE: Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

Operating: 0°F to 240°F (-17°C to 115°C)

Storage/Shipping:

-40°F to 167°F (-40°C to 75°C)

MAXIMUM FLOW AT DISCONNECT:

3.0 gal/min, 11.3L/min at 0 – 120 psi

MATERIALS:

Main Components:

Stainless Steel 303/304

Valves and Thumb Latch: Polyphenylsulfone (PPSU)

Valve Springs (wetted): Stainless steel

External Spring: Stainless steel

Seals: EPDM

Compliance: RoHS, REACH

COLOR:

Steel with Black, Cool Blue or Warm Red

TUBING SIZES:

1/4" to 3/8" ID, 6.4mm to 9.5mm ID

LUBRICANTS: Krytox® PFPE

SPILLAGE:

<0.025 cc per disconnect rated at 0 psi

<0.055 cc per disconnect rated at 120 psi

INCLUSION: <0.025 cc per connect

FLOW COEFFICIENT:

Cv~1.4 Max (1.210 Kv)

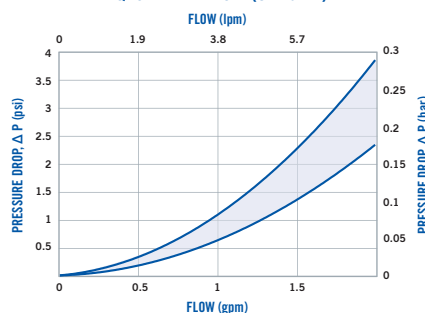
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

FEATURES

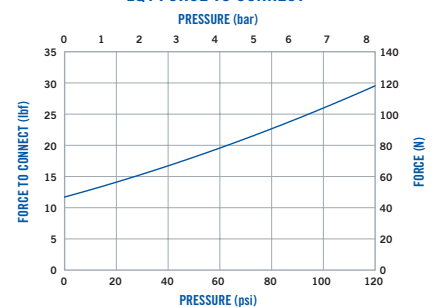
- Dry break, non-spill valves → Disconnect under pressure with no spills
- Redundant multi-lobed seals → Extra protection from leak-causing contaminants and debris
- High flow capacity with low pressure drop → Efficient, cost-effective cooling system
- EPDM seals → Compatibility with common coolants and application temperatures
- Ergonomic body and latch design → Simple intuitive one handed operation and audible click signals secure connection
- Color coding → Instant visual identification of cooling lines
- Low profile → Meets size requirements for space-constrained electronics
- Barbed and threaded terminations → System design flexibility, including providing options

BENEFITS

LQ4S WATER FLOW (0-2 GPM)

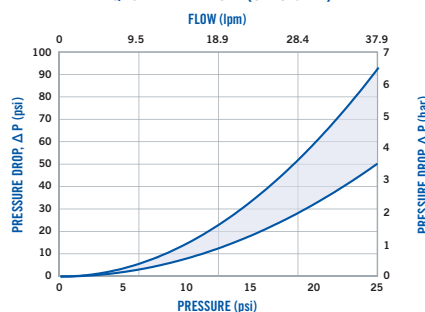


LQ4 FORCE TO CONNECT



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.

LQ4S WATER FLOW (0-10 GPM)





COLDER PRODUCTS COMPANY
U.S.A.
PHONE: +1 (651) 645-0091
FAX: +1 (651) 645-5404
TOLL FREE: +1 (800) 444-2474
E-MAIL: info@cpcworldwide.com

COLDER PRODUCTS COMPANY GMBH
Germany
E-MAIL: cpcgmbh@cpcworldwide.com


DOVER (SHANGHAI) INDUSTRIAL CO., LTD
ShangHai, China
PHONE: +86 21 2411 2666
TOLL FREE: +86 400 990 1978
E-MAIL: asiapacific@cpcworldwide.com

EVERIS® LQ4S SERIES DIMENSIONS

COUPLING BODIES - Stainless steel

| TERMINATION | TUBING/THREAD SIZE | METRIC EQ. | SHUTOFF | A | B | C |
|---|--------------------|------------|----------------|-------------|-------------|-------------|
|  IN-LINE HOSE BARB | 1/4" ID | 6.4mm ID | LQ4SD17004 | 0.97 (24.6) | 2.50 (63.5) | 1.85 (47.0) |
| | 1/4" ID | 6.4mm ID | LQ4SD17004BLU | 0.97 (24.6) | 2.50 (63.5) | 1.85 (47.0) |
| | 1/4" ID | 6.4mm ID | LQ4SD17004RED | 0.97 (24.6) | 2.50 (63.5) | 1.85 (47.0) |
|  IN-LINE LOCKING HOSE BARB | 1/4" ID | 6.4mm ID | LQ4SD17004L | 0.97 (24.6) | 2.60 (66.0) | 1.85 (47.0) |
| | 1/4" ID | 6.4mm ID | LQ4SD17004LBLU | 0.97 (24.6) | 2.60 (66.0) | 1.85 (47.0) |
| | 1/4" ID | 6.4mm ID | LQ4SD17004LRED | 0.97 (24.6) | 2.60 (66.0) | 1.85 (47.0) |
| | 3/8" ID | 9.5mm ID | LQ4SD17006L | 0.97 (24.6) | 2.71 (68.8) | 1.83 (46.5) |
| | 3/8" ID | 9.5mm ID | LQ4SD17006LBLU | 0.97 (24.6) | 2.71 (68.8) | 1.83 (46.5) |
| | 3/8" ID | 9.5mm ID | LQ4SD17006LRED | 0.97 (24.6) | 2.71 (68.8) | 1.83 (46.5) |

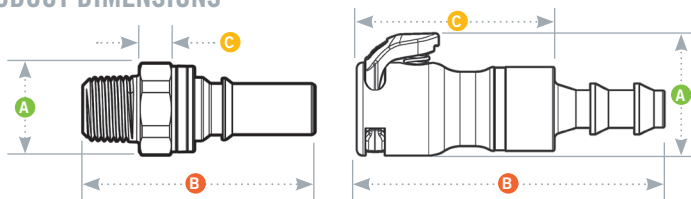
COUPLING INSERTS - Stainless steel

| TERMINATION | TUBING/THREAD SIZE | METRIC EQ. | SHUTOFF | A | B | C |
|--|---------------------------------|------------|------------|-------------|-------------|------------|
|  IN-LINE STRAIGHT THREAD PORT SAE | 3/8 SAE-6: 9/16-18 ¹ | 6.4mm ID | LQ4SD46006 | 0.74 (18.8) | 2.44 (62.0) | 0.19 (4.8) |
|  IN-LINE G THREAD (BSPP) | G3/8 | 6.4mm ID | LQ4SD47006 | 0.74 (18.8) | 2.44 (62.0) | 0.19 (4.8) |

For FKM seal option, add V suffix to part number. Example: LQ4D30006BLUV

¹All 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.

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.

COPYRIGHT © 2023 BY COLDER PRODUCTS COMPANY. COLDER PRODUCTS COMPANY, COLDER PRODUCTS AND CPC ARE REGISTERED

TRADEMARKS WITH THE US PATENT & TRADEMARK OFFICE