



RPLQ4 SERIES CONNECTOR



RPLQ4 Series quick disconnect couplings provide ultra-reliable, driplless connections and disconnections that protect valuable electronics. Designed specifically for rack mounted liquid cooling applications, RPLQ4 utilizes patent-pending valve technology that eliminates drips and is able to withstand long-term use.

Specifications

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

0°F to 240°F (-17°C to 115°C)

MAXIMUM FLOW AT DISCONNECT:

3.0 gal/min, 11.3L/min

ENGAGEMENT TOLERANCE

Coupling must be within 1/8" of fully engaged to achieve maximum flow.

MATERIALS:

Main housing components: Chrome-plated brass

Valves: Polysulfone

Valve spring (wetted): Stainless steel

Seals: EPDM

COLOR:

Chrome with Cool Blue or Chrome with Warm Red

THREAD SIZES:

1/4" to 3/8" NPT or SAE

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

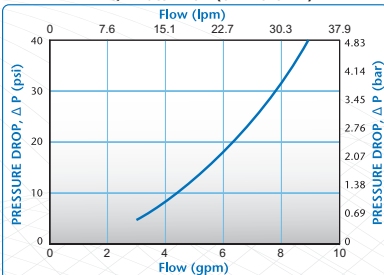
FEATURES

- Non-spill design
- Redundant sealing when connected
- Color-coding
- Friction-free valve
- Ruggedness
- Axial engagement tolerance

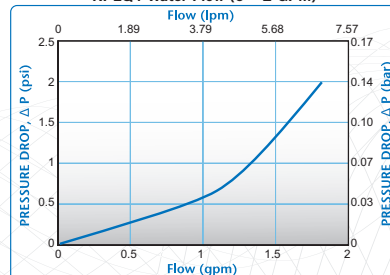
BENEFITS

- Disconnect under pressure with no spills
- Extra protection from leaks
- Instant visual difference in cooling lines
- Valving system designed for extended periods in connected state
- Able to withstand long-term, repeated use
- Valves designed to allow full flow even when not fully engaged

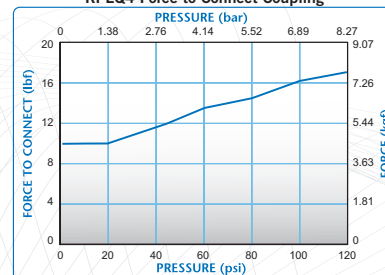
RPLQ4 Water Flow (0 – 20 GPM)



RPLQ4 Water Flow (0 – 2 GPM)



RPLQ4 Force to Connect Coupling



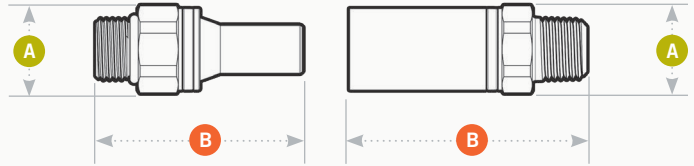
These graphs are intended to give you a general idea of the performance capabilities of each product line. Contact CPC for flow of a particular coupling combination.

Visit us at cpcworldwide.com or call 800-444-2747 to get a free catalog or to find your local distributor.



Product Dimensions

A = HEIGHT/DIAMETER
B = TOTAL LENGTH



All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

Coupling Bodies • CHROME-PLATED BRASS



TERMINATION	THREAD SIZE	METRIC EQ.	SHUT OFF	A	B
RACK AND PANEL	1/4 SAE-04		RPLQ4D30004RED	0.74	2.16
STRAIGHT THREAD	1/4 SAE-04		RPLQ4D30004BLU	0.74	2.16
PORT SAE	3/8 SAE-06		RPLQ4D30006RED	0.74	2.16
	3/8 SAE-06		RPLQ4D30006BLU	0.74	2.16
RACK AND PANEL	1/4" NPT		RPLQ4D10004RED	0.74	2.18
PIPE THREAD	1/4" NPT		RPLQ4D10004BLU	0.74	2.18
	3/8" NPT		RPLQ4D10006RED	0.74	2.18
	3/8" NPT		RPLQ4D10006BLU	0.74	2.18

Coupling Inserts • CHROME-PLATED BRASS



TERMINATION	THREAD SIZE	METRIC EQ.	SHUT OFF	A	B
RACK AND PANEL	1/4 SAE-04		RPLQ4D46004BLU	0.80	1.90
STRAIGHT THREAD	1/4 SAE-04		RPLQ4D46004RED	0.80	1.90
PORT SAE	3/8 SAE-06		RPLQ4D46006BLU	0.80	1.90
	3/8 SAE-06		RPLQ4D46006RED	0.80	1.90
RACK AND PANEL	1/4" NPT		RPLQ4D24004RED	0.80	1.92
PIPE THREAD	1/4" NPT		RPLQ4D24004BLU	0.80	1.92
	3/8" NPT		RPLQ4D24006RED	0.80	1.92
	3/8" NPT		RPLQ4D24006BLU	0.80	1.92



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Smart fluid handling to take you forward, faster.

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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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