



The 1/4" flow ZLC Series couplings provide a durable and economical solution for high-volume metal applications. The ZLC is streamlined and lightweight and mates with PLC, PLC12 and LC Series couplings. A high temperature version is also available for more demanding applications.

Features

- Die-cast zinc material
- High temperature capability
- Colder thumb latch
- Integral terminations

Benefits

- Durable, lightweight construction withstands higher pressure and temperature
- Versions rated to 400°F (204°C)
- One-hand connection and disconnection
- Eliminate additional components and assembly; reduce coupling size

Specifications

Pressure: Vacuum to 250 psi, 17.3 bar

Temperature: -10°F to 150°F (-23°C to 66°C)
(High temperature versions available)

Materials:
Main components: Die-cast zinc
Thumb latch: Stainless steel
Valves: Acetal
Valve springs: 316 stainless steel
External springs and pin: Stainless steel
O-ring: Buna-N, others available

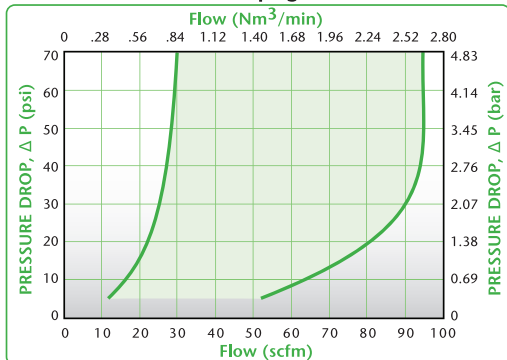
Finish: Bright nickel

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

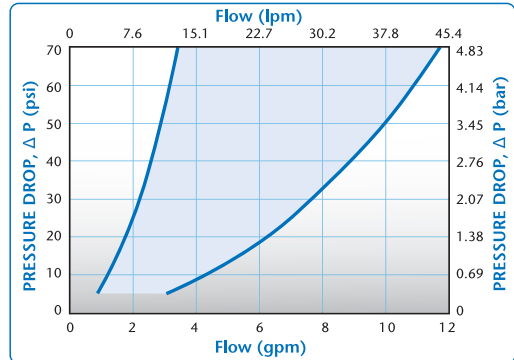
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of Colder's products in their own application conditions.

For tips on o-ring selection, please see page 39.

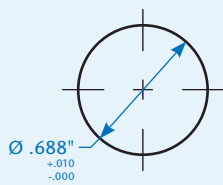
ZLC Air Flow, 100 psig Inlet Pressure



ZLC Water Flow



These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.

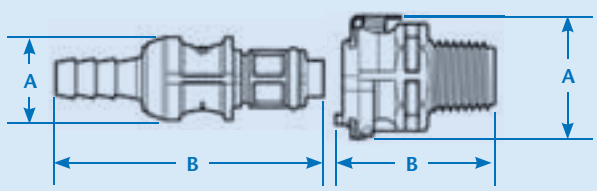


COUPLING BODIES	PANEL OPENING see drawing	MAX. PANEL THICKNESS .50	MIN. PANEL THICKNESS .05
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PANEL NUT HEX 13/16	PANEL NUT THREAD 11/16-24 UNS
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Product Dimensions



A = Height/Diameter
B = Total Length (including valve)

Coupling Bodies

DIE-CAST ZINC

TERMINATION	THREAD SIZE		STRAIGHT THRU	SHUTOFF	X-BODY†	A	B
IN-LINE	1/4" NPT		ZLC10004	ZLCD10004	ZLCX10004	0.94	1.15
PIPE THREAD*	1/4" BSPT		ZLC10004BSPT	ZLCD10004BSPT	ZLCX10004BST	0.94	1.15
TERMINATION	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	X-BODY†	A	B
IN-LINE	1/4" ID	6.4mm ID	ZLC17004	ZLCD17004	ZLCX17004	1.02	1.96
HOSE BARB**	5/16" ID	7.9mm ID	ZLC17005	ZLCD17005	ZLCX17005	1.02	1.96
	3/8" ID	9.5mm ID	ZLC17006	ZLCD17006	ZLCX17006	1.02	1.96
TERMINATION	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	X-BODY†	A	B
PANEL MOUNT	1/4" ID	6.4mm ID	ZLC16004	ZLCD16004	ZLCX16004	0.94	2.02
HOSE BARB**	5/16" ID	7.9mm ID	ZLC16005	ZLCD16005	ZLCX16005	0.94	2.02
	3/8" ID	9.5mm ID	ZLC16006	ZLCD16006	ZLCX16006	0.94	2.02



Coupling Inserts

DIE-CAST ZINC

TERMINATION	TUBING SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE	1/4" ID	6.4mm ID	ZLCD22004	0.63	2.01
HOSE BARB**	5/16" ID	7.9mm ID	ZLCD22005	0.63	2.01
	3/8" ID	9.5mm ID	ZLCD22006	0.63	2.01



Accessories

PANEL MOUNT GASKET REPLACEMENT	For sealing panel mount bodies listed above	MATERIAL Buna-N	PART NO. 1830300
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ZLC couplings are intended for high volume applications (500 piece minimum). ZLC samples are available for testing. For lower volume applications, please consider Colder's LC, PLC or PLC12 Series couplings.

*As with all tapered pipe threads, it is typical to use a thread sealant (tape or paste). **Due to the manufacturing process, the hose barbs on ZLC couplings have less "bite" on the tubing than typical Colder hose barbs. To ensure tubing retention, Colder recommends the use of a hose clamp. † X-body is the lowest cost body option. Works only with straight thru inserts—will not activate shutoff inserts.