

PLC Series

Material: Acetal

The 1/4" flow PLC Series is the most popular group of couplings from Colder. Proven worldwide in thousands of applications, the PLC line offers the widest selection of sizes and configurations. PLC couplings are injection molded from acetal thermoplastic, are durable and resistant to most mild chemical solutions. One-hand connection/disconnection, plus integral terminations make the PLC Series the choice for ease of use and manufacture.



Applications may include:

- Floor cleaning equipment
- Deionized water filtration
- Beverage dispensing
- Automated machinery
- Compression therapy
- Leak detection

NOTE: Special ordered couplings are available in versions that comply with listing requirements for NSF standard C-2.

FEATURES

BENEFITS

Colder thumb latch	One-hand connection and disconnection
Integral terminations	Fewer leak points, shorter assemblies, faster installations
Clicks when connected	Assurance of a reliable connection
Compatibility	Mates with LC Series couplings

Coupling Bodies

Acetal

Pipe Thread

THREAD SIZE	STRAIGHT THRU	SHUTOFF	C	G	H
1/4" NPT	PLC10004	PLCD10004	1.17	.50	5/8
1/4" BSPT	PLC10004BSPT	PLCD10004BSPT	1.15	.50	3/4
3/8" NPT	PLC10006	PLCD10006	1.15	.50	3/4
3/8" BSPT	PLC10006BSPT	PLCD10006BSPT	1.15	.50	3/4

Panel Mount

Ferruleless

Polytube

Fitting, PTF†

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	D	F	G	H	I	J	Q
1/4" OD .17" ID	6.4mm OD 4.3mm ID	PLC12004	PLCD12004	1.87	.52	11/16-24UNEF	.70	3/4	13/16	7/16	.50
	8mm OD 6mm ID	PLC120M8	PLCD120M8	1.95	.65	11/16-24UNEF	.70	3/4	13/16	9/16	.50
3/8" OD .25" ID	9.5mm OD 6.4mm ID	PLC12006	PLCD12006	1.95	.65	11/16-24UNEF	.70	3/4	13/16	9/16	.50
	10mm OD 8mm ID	PLC120M10	PLCD120M10	1.95	.65	11/16-24UNEF	.70	3/4	13/16	9/16	.50

Hose Barb

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	D	F	G	H	I	Q
1/4" ID	6.4mm ID	PLC16004	PLCD16004	1.95	.65	11/16-24UNEF	.70	3/4	13/16	.50
5/16" ID	7.9mm ID	PLC16005	PLCD16005	1.95	.65	11/16-24UNEF	.70	3/4	13/16	.50
3/8" ID	9.5mm ID	PLC16006	PLCD16006	1.95	.65	11/16-24UNEF	.70	3/4	13/16	.50

JG® Push-To-Connect

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	F	G	H	I	Q	
1/4" OD	6.4mm OD	PLC11004	PLCD11004	1.95		11/16-24UNEF	.70	3/4	13/16	.50

In-Line

Ferruleless

Polytube

Fitting, PTF†

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	B	C	D	J
1/4" OD .17" ID	6.4mm OD 4.3mm ID	PLC13004	PLCD13004	.93	1.82	.52	7/16
	8mm OD 6mm ID	PLC130M8	PLCD130M8	.93	1.95	.65	9/16
3/8" OD .25" ID	9.5mm OD 6.4mm ID	PLC13006	PLCD13006	.93	1.95	.65	9/16
	10mm OD 8mm ID	PLC130M10	PLCD130M10	.93	1.95	.65	9/16

Hose Barb

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	B	C	D
1/4" ID	6.4mm ID	PLC17004	PLCD17004	.93	1.95	.65
5/16" ID	7.9mm ID	PLC17005	PLCD17005	.93	1.95	.65
3/8" ID	9.5mm ID	PLC17006	PLCD17006	.93	1.95	.65

JG® Push-To-Connect

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	B	C
1/4" OD	6.4mm OD	PLC14004	PLCD14004	.93	1.95
3/8" OD	9.5mm OD	PLC14006	PLCD14006	.93	2.09

All measurements are in inches unless otherwise noted. Tubing must meet stated inside and outside diameters. For details of product dimension codes see page 60. Straight thru dimension is listed first when two measurements are provided.

NOTE: JG is a registered trademark of John Guest USA, Inc.

†NOTE: Colder's Ferruleless Polytube Fitting terminations do not require ferrules to achieve a secure connection, which makes them easier to use and reuse. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc.



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PLC Series Specifications

Pressure: Vacuum to 120 psi, 8.3 bar

Temperature: -40° F to 180° F continuous
-40° C to 82° C continuous

Materials:

Main components and valves: Acetal

Thumb latch: Stainless steel

Valve spring: 316 stainless steel

External springs and pin: Stainless steel

O-rings: Buna-N

Color: Natural white, others available

Tubing Range: 1/4" to 3/8"
6.4mm to 9.5mm

JG® Tubing Specifications:

Tube tolerances: 1/4" OD, +0.001/-0.004
3/8" OD, +0.001/-0.004

Tube Types:

Plastic tube: Polyethylene, nylon, polyurethane

For soft or thin wall tubing with JG® terminations, tube supports are recommended.

Metal tube: Brass, copper and mild steel

Coupling Inserts

Acetal

	THREAD SIZE		STRAIGHT THRU	SHUTOFF	C	D	H
Pipe Thread	1/4" NPT		PLC24004	PLCD24004	1.25/1.66	.50	5/8
	1/4" BSPT		PLC24004BSPT	PLCD24004BSPT	1.53/1.66	.50	5/8
	3/8" NPT		PLC24006	PLCD24006	1.25/1.63	.50	3/4
	3/8" BSPT		PLC24006BSPT	PLCD24006BSPT	1.51/1.63	.50	3/4

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	D	F	G	H	I	J	Q
Panel Mount Ferruleless Polytube Fitting, PTF†	1/4" OD .17" ID	6.4mm OD 4.3mm ID	PLC40004	PLCD40004	1.78/1.91	.52/.62	11/16-24UNEF	.46	3/4	13/16	7/16	.70/.84
		8mm OD 6mm ID	PLC400M8	PLCD400M8	1.91/2.03	.65	11/16-24UNEF	.46	3/4	13/16	9/16	.70/.84
	3/8" OD .25" ID	9.5mm OD 6.4mm ID	PLC40006	PLCD40006	1.91/2.05	.65	11/16-24UNEF	.46	3/4	13/16	9/16	.70/.84
		10mm OD 8mm ID	PLC400M10	PLCD400M10	1.91/2.05	.65	11/16-24UNEF	.46	3/4	13/16	9/16	.70/.84

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	D	F	G	H	I	Q
Hose Barb	1/4" ID	6.4mm ID	PLC42004	PLCD42004	1.91/2.05	.65	11/16-24UNEF	.46	3/4	13/16	.70/.84
	5/16" ID	7.9mm ID	PLC42005	PLCD42005	1.91/2.05	.65	11/16-24UNEF	.46	3/4	13/16	.70/.84
	3/8" ID	9.5mm ID	PLC42006	PLCD42006	1.91/2.05	.65	11/16-24UNEF	.46	3/4	13/16	.70/.84

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	F	G	H	I	Q
JG® Push-To-Connect	1/4" OD	6.4mm OD	PLC41004	PLCD41004	1.91/2.05	11/16-24UNEF	.46	3/4	13/16	.70/.84

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	D	H	J
In-Line Ferruleless Polytube Fitting, PTF†	1/4" OD .17" ID	6.4mm OD 4.3mm ID	PLC20004	PLCD20004	1.25/1.88	.52	5/8	7/16
		8mm OD 6mm ID	PLC200M8	PLCD200M8	1.38/1.82	.65	5/8	9/16
	3/8" OD .25" ID	9.5mm OD 6.4mm ID	PLC20006	PLCD20006	1.38/1.82	.65	5/8	9/16
		10mm OD 8mm ID	PLC200M10	PLCD200M10	1.38/1.82	.65	5/8	9/16

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	B	C	D	H
Hose Barb	1/4" ID	6.4mm ID	PLC22004	PLCD22004	.62	1.35/1.99	.65	5/8
	5/16" ID	7.9mm ID	PLC22005	PLCD22005	.62	1.35/1.99	.65	5/8
	3/8" ID	9.5mm ID	PLC22006	PLCD22006	.62	1.36/1.81	.65	5/8

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	B	C
JG® Push-To-Connect	1/4" OD	6.4mm OD	PLC29004	PLCD29004	.63	1.35/1.95
	3/8" OD	9.5mm OD	PLC29006	PLCD29006	.78	1.51/2.11

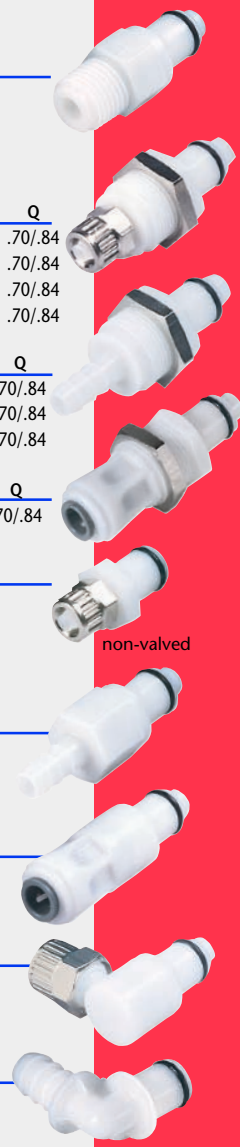
	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	D	J	R
Elbow Ferruleless Polytube Fitting, PTF†	3/8" OD .25" ID	9.5mm OD 6.4mm ID	PLC21006	PLCD21006	1.22/1.35	.65	9/16	.85/.96

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	C	D	R
Hose Barb	1/4" ID	6.4mm ID	PLC23004	PLCD23004	1.10/1.28	.65	.85/.96
	3/8" ID	9.5mm ID	PLC23006	PLCD23006	1.25/1.28	.65	.90/.96

All measurements are in inches unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted. For details of product dimension codes see page 60. Straight thru dimension is listed first when two measurements are provided.


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†NOTE: Colder's Ferruleless Polytube Fitting terminations do not require ferrules to achieve a secure connection, which makes them easier to use and reuse. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc.



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