

CHEMICAL-RESISTANT AND HIGHLY VERSATILE

IdentiQuik® PLC12 Coupling



IdentiQuik PLC12 Couplings are injection-molded from polypropylene thermoplastic and are resistant to many chemical solutions.

This popular coupling features one-hand connection and disconnection, and offers the flexibility of multiple configurations and terminations. Its polypropylene provides superior chemical resistance, and the EPDM o-ring adds expanded chemical compatibility for more demanding applications.

PLC12 couplings can be ordered in a vast range of sizes and configurations to meet the needs of your application.

APPLICATIONS FOR PLC12 COUPLINGS INCLUDE:

- Flavor concentrates
- Laser cooling
- Cosmetic ingredients
- Many more

Specifications ● ● ●

PRESSURE:

Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

32°F to 150°F (0°C to 65°C)

MATERIALS:

Main components and valves: Polypropylene

Thumb latch: Stainless steel

Valve spring: 316 stainless steel

External springs and pin: Stainless steel

O-rings: EPDM

COLOR:

Almond

TUBING SIZE:

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

INTERFACE:

Multi-drop 2-ft. (60 cm) cable with RS-232 or USB connector

OPERATING VOLTAGE:

RS-232: 8V – 24V

USB: 5V

POWER CONSUMPTION:

1.2W maximum

RF COMMUNICATION RANGE:

Approximately 1"

RFID TAG:

ISO 15693, 13.56MHz, 112 bytes programmable

Coupling Readers • POLYPROPYLENE

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	A	B
TERMINATION IN-LINE HOSE BARB (RS-232 Interface)	1/4" ID	6.4mm ID		iPLCDR1700400	1.39	2.78
	3/8" ID	9.5mm ID		iPLCDR1700600	1.39	2.78
IN-LINE HOSE BARB (USB Interface)	1/4" ID	6.4mm ID		iPLCDR1700401	1.00	1.38/2.05
	3/8" ID	9.5mm ID		iPLCDR1700601	1.05	1.74/1.87

Coupling Inserts • POLYPROPYLENE

	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	A	B
TERMINATION IN-LINE HOSE BARB (RS-232 Interface)	1/4" ID	6.4mm ID	iPLCT2200400	iPLCDT2200400	1.39	2.78
	3/8" ID	9.5mm ID	iPLCT2200600	iPLCDT2200600	1.39	2.78
ELBOW HOSE BARB (RS-232 Interface)	1/4" ID	6.4mm ID	iPLCT2300400	iPLCDT2300400	1.48	1.27/1.40
	3/8" ID	9.5mm ID	iPLCT2300600	iPLCDT2300600	1.48	1.33/1.46

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

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