

MICROCNX® SERIES CONNECTORS

The **MicroCNX® Standard and Luer** are micro-connectors that provide a simple, efficient method of connecting tubing for small-format biomanufacturing assemblies. The MicroCNX series is engineered specifically for the challenging conditions of biological media transfer in bioprocessing, cell therapy, and gene therapy applications. The connector comes in a range of tubing sizes featuring a luer connection option to create a sterile, closed connection on an existing luer connection.



SPECIFICATIONS

OPERATING PRESSURE

Up to 60 psi, 4.1 bar (Standard)
Up to 75 psi, 5.1 bar for 48 hours (Standard)
Up to 43.5 psi, 3 bar (Luer)

OPERATING TEMPERATURE

34°F to 104°F (1°C to 40°C)

STORAGE TEMPERATURE

-112° F to 140° F (-80° C to 60° C)

TERMINATIONS

1/16", 3/32", 1/8" ID hose barb (1.6mm, 2.4mm, 3.2mm), Male Luer; Female Luer

MATERIALS

Main Components: Polycarbonate (white)
Seals: Silicone (clear), platinum-cured
Protective Cover: Polypropylene (teal),
Membrane: Hydrophobic Polyethersulfone

STERILIZATION

Gamma: Up to 50kGy irradiation.
Autoclave: One cycle up to 266°F (130°C) for 60 minutes

CAUTION: CPC does not recommend the use of PVC tubing with the polycarbonate MicroCNX Series Connectors. Leachables from PVC tubing could be incompatible with polycarbonate material and affect product performance. Determining product application suitability is solely the customer's responsibility. CPC does not guaranty or warrant product suitability for any application or use.

FEATURES

PINCH-CLICK-PULL →

Easy-to-Use →

Luer adapter →

BENEFITS

Easy to use three-step connection process reduces risk of operator error

No hassling with external machines or equipment, or mismatched tubing

Connect to a luer/open format connection in a biosafety cabinet, remove from the biosafety cabinet, and have a sterile connection anywhere in your production.

TYPICAL FLOW RATE

Cv Value Range: 0.04-0.27

Cv values represent the approximate expected flow rate in gallons per minute of water at room temperature for a 1 PSI pressure drop. The flow is generally constrained by the smallest diameter, which in some cases will be the termination diameter and not the Nominal Flow Path.

DID YOU KNOW

MicroCNX connectors eliminate the need to purchase, calibrate, validate, maintain, and allocate clean room space for tube welding equipment.

Scan code to visit webpage



cpcworldwide.com/MicroCNX



COLDER PRODUCTS COMPANY
U.S.A.
PHONE: +1 (651) 645-0091
TOLL FREE: +1 (800) 519-7633
E-MAIL: info@cpcworldwide.com

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

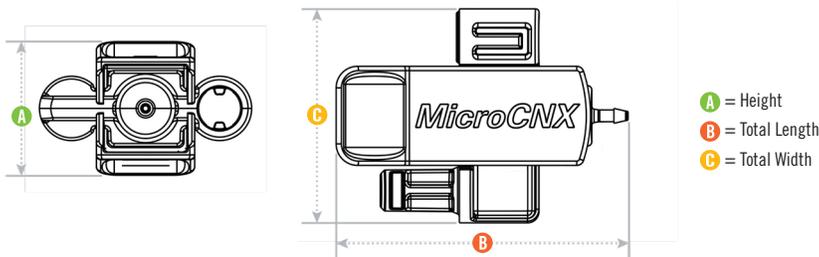
DOVER (SHANGHAI) INDUSTRIAL CO., LTD
ShangHai, China
PHONE: +86 21 2411 2666
TOLL FREE: +86 400 990 1978
E-MAIL: asiapacific@cpcworldwide.com

MICROCNX® SERIES DIMENSIONS

POLYCARBONATE with teal cover For autoclave or gamma irradiation applications.

TERMINATION	METRIC EQ.	PART NO.	A	B	C
 1/16" HOSE BARB	1.6 mm	CNX17001HT	0.93" (23.6 mm)	2.05" (52.1 mm)	1.49" (37.8 mm)
3/32" HOSE BARB	2.4 mm	CNX17003HT	0.93" (23.6 mm)	2.16" (54.9 mm)	1.49" (37.8 mm)
1/8" HOSE BARB	3.2 mm	CNX17002HT	0.93" (23.6 mm)	2.25" (57.2 mm)	1.49" (37.8 mm)
 FEMALE LUER		CNX170LFHT	0.93" (23.6 mm)	2.15" (54.6 mm)	1.49" (37.8 mm)
MALE LUER		CNX170LMHT	0.93" (23.6 mm)	2.15" (54.6 mm)	1.49" (37.8 mm)

PRODUCT DIMENSIONS



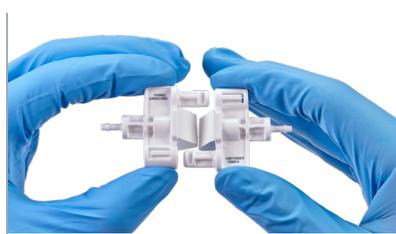
MICROCNX® CONNECTORS ASSEMBLY PROCEDURE

PINCH



Remove the protective cover on each half.

CLICK



Join halves and click together.

PULL



Pull membrane strips directly away from the connector.

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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