

MICROCNX® NANO SERIES CONNECTORS

The **MicroCNX® Nano** aseptic connector is specifically designed for the challenging conditions of biological media transfer in cell therapy and gene therapy (CGT) applications. It can withstand ultra-low temperatures down to -190°C (cryogenic freezing applications) and is the lowest profile connector in the industry; ensuring a fit into any freezing cassette used in CGT processing. Like the original MicroCNX standard connector, the MicroCNX Nano provides a simple, efficient method of connecting tubing for small-format biomanufacturing assemblies. The MicroCNX Nano comes in 1/8", 3/32", and 1/16" hose barb terminations for connection to a variety of tubing types including silicone, TPE and PVC.



SPECIFICATIONS

OPERATING PRESSURE

Up to 29 psi, 2 bar

OPERATING TEMPERATURE

34°F to 104°F (1°C to 40°C)

STORAGE TEMPERATURE

-310°F to 140°F (-190°C to 60°C)

WARNING: Do not submerge connectors in liquid nitrogen. MicroCNX ULT has been tested and validated for cryogenic freezing use in gaseous phase of liquid nitrogen.

TERMINATIONS

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

MATERIALS

Main Components: Polycarbonate (white), Polyphenylsulfone (off white)

Seals: Silicone (clear), platinum-cured

Protective Cover: Polycarbonate (gold)

Membrane: Hydrophobic Polyethersulfone

STERILIZATION

Gamma: Up to 50kGy irradiation

Autoclave: One cycle up to 266°F (130°C) for 60 minutes

FEATURES

PULL-CLICK-PULL

Easy-to-Use

Ultra-Low temperature and
Chemical compatibility

Aseptic, single-use connection
technology

Tubing Compatibility

Low and ultra-low profiles

Low Hold-up Volume

BENEFITS

Intuitive three-step connection process reduces risk of operator error

No hassling with external machines or equipment, or mismatched tubing

Can be frozen down to vaporized liquid nitrogen temperature (-190°C)

The only aseptic media transfer method that consistently and reliably transfers aseptic fluid at 1/16" tubing

Can be used with PVC, TPE and silicone tubing

The smallest profile with a compact size that fits in freeze cassettes

Minimize lost fluid during transfers

TYPICAL FLOW RATE

Cv Value Range: 0.03-0.06

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 get you out of the hood (bio safety cabinet), the closed connection enables you to make connections anywhere, even in non-sterile environments.



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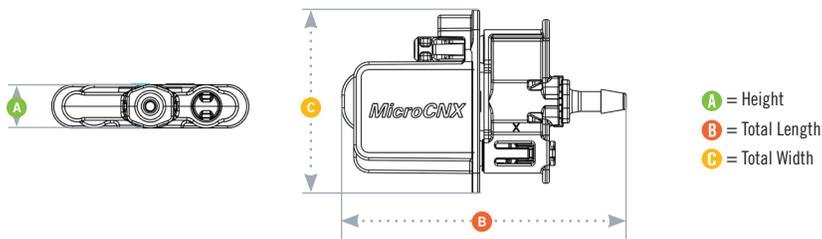
MICROCNX® NANO SERIES DIMENSIONS

POLYPHENYLSULFONE with gold cover For autoclave or gamma irradiation applications.

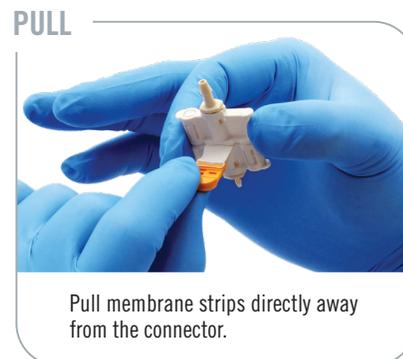


TERMINATION	METRIC EQ.	PART NO.	A	B	C
1/16" HOSE BARB	1.6 mm	CNY17101HT	0.31" (7.9 mm)	1.96" (49.8 mm)	1.44" (36.6 mm)
3/32" HOSE BARB	2.4 mm	CNY17103HT	0.31" (7.9 mm)	2.06" (52.3 mm)	1.44" (36.6 mm)
1/8" HOSE BARB	3.2 mm	CNY17102HT	0.31" (7.9 mm)	2.16" (54.9 mm)	1.44" (36.6 mm)

PRODUCT DIMENSIONS



MICROCNX® NANO CONNECTORS ASSEMBLY PROCEDURE



Scan code to visit webpage



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NOTE

Validation and extractables can be requested at [cpcworldwide.com/MicroCNX](https://www.cpcworldwide.com/MicroCNX)

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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CAT2045-CN X Rev. 12/25