

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" 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 Nano has been tested and validated for cryogenic freezing use in the gaseous phase of liquid nitrogen.

TERMINATIONS

1/16", 1/8" ID hose barb (1.6mm, 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

Aseptic, single-use connection technology

Ultra-Low temperature and Chemical compatibility

Easy-to-use

PULL-CLICK-PULL

Genderless

CPC Click

Low and ultra-low profiles

Low Hold-up Volume

BENEFITS

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

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

Flow path materials made from PPSU for increased chemical compatibility without deterioration. Able to handle harsh chemical like Dimethyl Sulfoxide (DMSO)

Lowers risk of operator error and related performance, reliability and safety concerns

Intuitive three-step connection process reduces risk of operator error

Eases single-use systems specifications with one part number for both halves

Audible confirmation of assembly with no additional hardware required

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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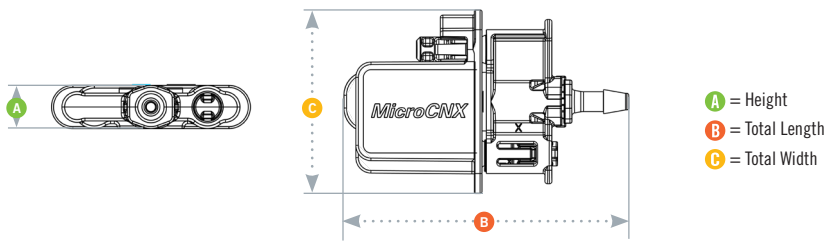
MICROCNX[®] NANO SERIES DIMENSIONS

POLYPHENYLSULFONE with gold cover For autoclave or gamma irradiation applications.

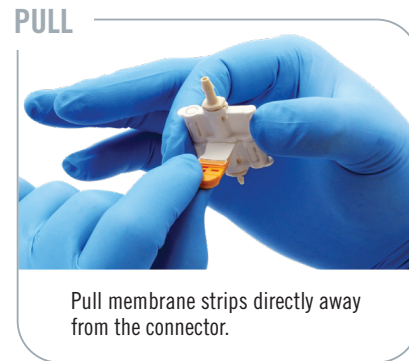


TERMINATION	METRIC EQ.	PART NO.	A	B	C
1/16" HOSE BARB	1.6 mm	CNY17101HT	0.31" (7.9 mm)	1.96" (49.8 mm)	1.44" (36.6 mm)
1/8" HOSE BARB	3.2 mm	CNY17102HT	0.31" (7.9 mm)	2.16" (54.9 mm)	1.44" (36.6 mm)

PRODUCT DIMENSIONS



MICROCNX[®] NANO CONNECTORS ASSEMBLY PROCEDURE



Scan code to visit webpage



cpcworldwide.com/MicroCNX

NOTE

Validation and extractables can be requested at 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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