MICROCNX® ULT SERIES CONNECTORS

The **MicroCNX® ULT aseptic connectors** is specifically designed for the challenging conditions of biological media transfer in cell therapy and gene therapy applications. It can withstand ultra-low temperatures down to -190°C (cryogenic freezing applications) and fits directly into freezing cassettes used in CGT processing. Like the original MicroCNX standard connector, the ULT provides a simple, efficient method of connecting tubing for small-format biomanufacturing assemblies. The MicroCNX ULT comes in 1/8", 3/32," and 1/16" size connections to PVC tubing.

SPECIFICATIONS

OPERATING PRESSURE
Up to 43.5 psi, 3 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 250°F (121°C) for 30 minutes

FEATURES	BENEFITS
PULL-CLICK-PULL →	Easy to use three-step connection process reduces risk of operator error
Easy-to-Use →	No hassling with external machines or equipment, or mismatched tubing
Ultra-Low Tempaerature and Chemical compatability →	Ability to be frozen down to vaporized liquid nitrogen temp (-190°C), and increased compatibility to harsh chemicals
Tubing Compatibility →	Can be used with PVC, TPE and silicone tubing
Low profile →	Compact size to fit in freezing cassettes

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

Termination and flow path are made from PPSU to allow for increased chemical compatibility to handle harsh chemicals like liquid nitrogen and Dimethyl sulfoxide (DMSO).

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SCAN

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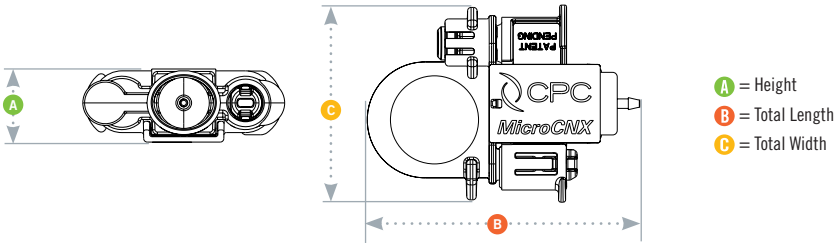
MICROCNX® SERIES DIMENSIONS

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	CNX17101HT	0.62" (15.7 mm)	2.35" (59.7 mm)	1.70" (43.2 mm)
3/32" HOSE BARB	2.4 mm	CNX17103HT	0.62" (15.7 mm)	2.46" (62.5 mm)	1.70" (43.2 mm)
1/8" HOSE BARB	3.2 mm	CNX17102HT	0.62" (15.7 mm)	2.56" (65.0 mm)	1.70" (43.2 mm)

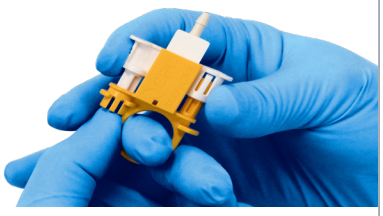
PRODUCT DIMENSIONS



A = Height
B = Total Length
C = Total Width

MICROCNX® ULT 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.