**MicroCNX™ Connectors** introduce a new category of aseptic micro-connectors that provide a simple, efficient method of connecting tubing for small-format biomanufacturing assemblies. MicroCNX connectors are the modern alternative to the cumbersome, industrial process of tube welding. Building on the inventiveness of CPC, the leader in single-use connection technology, the MicroCNX line of connectors is engineered specifically for the challenging conditions of biologic media transfer in bioprocessing, cell therapy and gene therapy applications.

### SPECIFICATIONS

| OPERATING PRESSURE | Up to 60 psi, 4.1 bar  
| Up to 75 psi, 5.1 bar for 48 hours |
| OPERATING TEMPERATURE | 34°F to 104°F (1°C to 40°C) |
| TERMINATIONS | 1/16”, 3/32” 1/8” ID hose barb (1.6mm, 2.4mm, 3.2mm) |
| MATERIALS | **Main Components:** Polycarbonate (white), USP Class VI, ADCF  
| | **Seals:** Silicone (clear), platinum-cured, USP Class VI, ADCF  
| | **Protective Cover:** Polypropylene (teal), USP Class VI, ADCF  
| | **Membrane:** Hydrophobic Polyethersulfone, USP Class VI |
| STERILIZATION | **Gamma:** Up to 50kGy irradiation.  
| | **Autoclave:** One cycle up to 266°F (130°C) for 60 minutes |

### FEATURES

- **PINCH-CLICK-PULL**
- **Easy to use**
- **Genderless**
- **CPC Click**

### BENEFITS

- Intuitive three-step connection process reduces risk of operator error
- Lowers risk of operator error and related performance, reliability and safety concerns
- Eases single-use systems specifications with one part number for both halves
- Audible confirmation of assembly with no additional hardware required

### TYPICAL FLOW RATE

**Cv Value Range:** 0.04–0.27  
for MicroCNX hose barb terminations

*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.*

**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.

### NOTE

Validation and Extractables data can be requested at cpcworldwide.com/MicroCNX

### DID YOU KNOW

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

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**WE INSPIRE CONFIDENCE AT EVERY POINT OF CONNECTION**  
cpcworldwide.com · 1-800-519-7633
**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.

**MICROCNX™ SERIES DIMENSIONS AND WEIGHTS**

<table>
<thead>
<tr>
<th>TERMINATION</th>
<th>METRIC EQ.</th>
<th>PART NO.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>PART WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; HOSE BARB</td>
<td>3.2 mm</td>
<td>CNX17002HT</td>
<td>0.93 (23.6 mm)</td>
<td>2.25 (57.2 mm)</td>
<td>1.49 (37.8 mm)</td>
<td>0.27 oz (7.64 g)</td>
</tr>
<tr>
<td>3/32&quot; HOSE BARB</td>
<td>2.4 mm</td>
<td>CNX17003HT</td>
<td>0.93 (23.6 mm)</td>
<td>2.16 (54.9 mm)</td>
<td>1.49 (37.8 mm)</td>
<td>0.27 oz (7.62 g)</td>
</tr>
<tr>
<td>1/16&quot; HOSE BARB</td>
<td>1.6 mm</td>
<td>CNX17001HT</td>
<td>0.93 (23.6 mm)</td>
<td>2.05 (52.1 mm)</td>
<td>1.49 (37.8 mm)</td>
<td>0.27 oz (7.60 g)</td>
</tr>
</tbody>
</table>

POLYCARBONATE with teal cover  For autoclave or gamma irradiation applications.