

**mdi** QuiKconnect gamma irradiatable polycarbonate Quick Connectors are designed to provide reliable and easy connectivity in critical aseptic process steps in the manufacture of pharmaceuticals and biopharmaceuticals.

The special side wings in the female connector are provided to prevent accidental release of connection.

These connectors significantly improve the service ability of fluid systems by saving time, reducing the spills/leakage and increasing safety, while minimizing the risk of cross contamination likely to happen with reusable components.

**mdi** QuiKconnect Quick Connectors are made up of materials which fulfill critical requirements such as wide chemical compatibility, and minimal extractables. These can be sterilized by Radiation or Autoclaved.

## Special Features

- Extra Reliability: Special side wings on the female part designed to prevent accidental pressing of the latch
- Wide ring on the male part to facilitate pressing while making a quick connection

## Applications

- Transfer of sterile fluids
- Series connection
- Delivery and recovery lines
- Laboratory tubing connections
- Bio-reactor lines



1/2" Hose Barb  
Male Connector



1/2" Hose Barb  
Female Connector



Female Plug for 1/2" Hose Barb  
Male Connector



Male Plug for 1/2" Hose Barb  
Female Connector



1/4" Hose Barb  
Male Connector



1/4" Hose Barb  
Female Connector



3/8" Hose Barb  
Male Connector



3/8" Hose Barb  
Female Connector



Male Plug



Female Plug



3/4" Hose Barb  
Male Connector



3/4" Hose Barb  
Female Connector



1" Hose Barb  
Female Connector



1" Hose Barb  
Male Connector

## Specifications

|                                    |                   |  |
|------------------------------------|-------------------|--|
| Materials of Construction          | Main Body         | Polycarbonate  |
|                                    | O-rings           | Platinum cured Silicone  |
| Tubing Sizes (Internal Diameter)   |                   | 1/4" (6.3mm)   |
|                                    |                   | 3/8" (9.5mm)   |
|                                    |                   | 1/2" (12.7mm)  |
|                                    |                   | 3/4" (19.05mm)   |
|                                    |                   | 1"(25.4mm)   |
| Operating Pressure                 |                   | Vacuum to 60 psi   |
| Operating Temperature              |                   | - 60° C to 125° C  |
| Fiber Release                      |                   | Complies with USFDA CFR Title 21, Part 211.72                          |
| Sterilization by Gamma Irradiation |                   | Up to 50 kGy   |
| Biosafety                          | Class VI Plastics | Passes biological tests for Class VI Plastics as described in USP <88> |
|                                    | Cytotoxicity      | Passes biological tests for Cytotoxicity as described in USP <87>      |

## Chemical Compatibility Chart

|                     |    |
|---------------------|----|
| Acetic Acid         | R  |
| Acetone             | R  |
| Acetonitrile        | NR |
| Ammonium Hydroxide  | R  |
| Benzene             | NR |
| N-Butanol           | R  |
| Citric Acid         | R  |
| Cotton Seed Oil     | R  |
| Cresol              | NR |
| Dichloromethane     | NR |
| Ethyl Acetate       | NR |
| Ethyl Alcohol       | R  |
| Ethylene Glycol     | R  |
| Formaldehyde        | R  |
| Glycerol            | R  |
| Glycol              | R  |
| 30% HCL             | R  |
| Hydrogen Peroxide   | R  |
| Isobutanol          | R  |
| Isopropanol         | R  |
| Lactic Acid         | R  |
| Methanol            | R  |
| Mineral Oil         | R  |
| Nitric Acid         | R  |
| Polyethylene Glycol | R  |
| Propylene Glycol    | R  |
| Na OH               | R  |
| Urea                | NR |
| Vegetable Oil       | R  |

| Part and Size           | Compatible Tubing ID | Dimensions |         |
|-------------------------|----------------------|------------|---------|
|                         |                      | Length     | Width   |
| Female Connector        | 1/4"                 | 24.5 mm    | 33 mm   |
|                         | 3/8"                 | 24.5 mm    | 33 mm   |
|                         | 1/2"                 | 49 mm      | 34.5 mm |
| Male Connector          | 1/4"                 | 17.6 mm    | 33 mm   |
|                         | 3/8"                 | 17.6 mm    | 33 mm   |
|                         | 1/2"                 | 49 mm      | 27.8 mm |
| Female Plug             | Not Applicable       | 24.5 mm    | 33 mm   |
| Male Plug               | Not Applicable       | 17.6 mm    | 33 mm   |
| Female Plug for 1/2" HB | Not Applicable       | 42.7 mm    | 34.5 mm |
| Male Plug for 1/2" HB   | Not Applicable       | 43 mm      | 27.8 mm |

R = Recommended, NR = Not Recommended

## Ordering Information

| Type                  |      | Tubing Size  |      | Description      |      | X  | Radiation Sterilizable |      | O-ring*                 |      | Sterility     |      | Pack Size |      |
|-----------------------|------|--------------|------|------------------|------|--|------------------------|------|-------------------------|------|---------------|------|-----------|------|
|                       | Code | Size (ID)    | Code |                  | Code |  | Yes                    | Code |                         | Code |               | Code |           | Code |
| Small Quick Connector | QCCX | 6.3mm (1/4") | 63   | Female Connector | CB   |  | Yes                    | R    | Platinum Cured Silicone | PS   | Non Sterile   | 1    | 25        | 11   |
|                       |      | 9.5mm (3/8") | 95   | Coupling Insert  | CI   |  | No***                  | X    |                         |      | Gamma Sterile | 3    | 50        | 03   |
| <b>Example:</b>       |      |              |      | Female Plug**    | PB   | ***Gamma sterile connectors cannot be Gamma irradiated again |                        |      |                         |      |               | 100  | 04        |      |
|                       |      |              |      | Male Plug**      | PI   |  |                        |      |                         |      |               | 250  | 13        |      |

|             |           |           |          |          |           |          |           |
|-------------|-----------|-----------|----------|----------|-----------|----------|-----------|
| <b>QCCX</b> | <b>63</b> | <b>CI</b> | <b>X</b> | <b>R</b> | <b>PS</b> | <b>1</b> | <b>04</b> |
|-------------|-----------|-----------|----------|----------|-----------|----------|-----------|

| Type                   |      | Tubing Size     |      | Description      |      | X | Radiation Sterilizable                                       |      | O-ring*                 |      | Sterility     |      | Pack Size |      |
|------------------------|------|-----------------|------|------------------|------|---|--|------|-------------------------|------|---------------|------|-----------|------|
|                        | Code | Size (ID)       | Code |                  | Code |   | Yes  | Code |                         | Code |               | Code |           | Code |
| Medium Quick Connector | QCMX | 12.7 mm (1/2")  | 12   | Female Connector | CB   |   | Yes  | R    | Platinum Cured Silicone | PS   | Non Sterile   | 1    | 25        | 11   |
|                        |      | 19.05 mm (3/4") | 19   | Coupling Insert  | CI   |   | No***  | X    |                         |      | Gamma Sterile | 3    | 50        | 03   |
|                        |      | 25.4 mm (1")    | 25   | Female Plug      | PB   |   | ***Gamma sterile connectors cannot be Gamma irradiated again |      |                         |      |               |      | 100       | 04   |
| <b>Example:</b>        |      |                 |      | Male Plug        | PI   |   |  |      |                         |      |               |      |           |      |

|             |           |           |          |          |           |          |           |
|-------------|-----------|-----------|----------|----------|-----------|----------|-----------|
| <b>QCMX</b> | <b>12</b> | <b>CI</b> | <b>X</b> | <b>R</b> | <b>PS</b> | <b>1</b> | <b>04</b> |
|-------------|-----------|-----------|----------|----------|-----------|----------|-----------|

\* Platinum cured Silicone O-ring is not a part of female connectors and female plug. The 15 digit product code for these will have XX instead of PS.

\*\* Tubing Size is not applicable to female plug and male plug. The 15 digit Code for these will have XX instead of tubing size code.