



Membrane Technologies

QuiKconnect Polycarbonate Quick Connectors (Gamma Sterilizable)

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
Example:				Female Plug**	PB	***Gamma sterile connectors cannot be Gamma irradiated again						100	04	
				Male Plug**	PI							250	13	

QCCX	63	CI	X	R	PS	1	04
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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
Example:				Male Plug**	PI									

QCMX	12	CI	X	R	PS	1	04
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* 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.