

## **Polycarbonate Quick Connectors** (Autoclavable)

### **DATASHEET**

### **Product Description**

mdi QuiKonnect™ 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** *QuiKonnect*™ Quick Connectors are made up of materials which fulfill critical requirements such as wide chemical compatibility and minimal extractables.



1/2" Hose Barb



Female Plug for 1/2" Hose Barb Male Connector



1/4" Hose Barb



Female Plug



3/4" Hose Barb Male Connector



3/8" Hose Barb Male Connector



1" Hose Barb Male Connector





Male Plug for 1/2" Hose Barb Female Connector



1/4" Hose Barb Female Connector





3/4" Hose Barb Female Connector



Female Connector



1" Hose Barb Female Connector

## **DST QCCXXXX2414K**



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### **Special Features**

- Extra Reliability: Special side wings on the female part designed to prevent accidental processing 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

### **Specifications**

Materials of	Main Body	Polycarbonate			
Construction	O-rings	Platinum cured Silicone			
	•	1/4" (6.3mm)			
		3/8" (9.5mm)			
Tubing Sizes (Internal Dian	neter)	1/2" (12.7mm)			
		3/4" (19.05mm)			
		1" (25.4mm)			
Operating Pre	ssure	Vacuum to 60 psi			
Operating Ter	nperature	- 60° C to 125° C			
Fiber Release		Complies with USFDA CFR Title 21, Part 211.72			
	By Gas	Sterilizable by Ethylene Oxide			
Sterilization	Autoclave	5 Autoclaving cycles at 125 °C for 30 minutes. Sterilize uncoupled only			
Disconfidence	Class VI Plastics	Passes biological tests for Class VI Plastics as described in USP <88>			
Biosafety	Cytotoxicity	Passes biological tests for Cytotoxicity as described in USP <87>			

Part and Size	Compatible Tubing ID	Length	Width
	1/4"	24.5 mm	33 mm
Female Connector	3/8"	24.5 mm	33 mm
	1/2"	49 mm	34.5 mm
	1/4"	17.6 mm	33 mm
Male Connector	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

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**DST QCCXXXX2404D** 

## **Chemical Compatibility**

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	NR
Urea	NR
Vegetable Oil	R

R = Recommended, NR = Not Recommended

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### **Ordering Information**

Туре		Tubing Size		Description		Х	Х	0-ring*		Sterility		Pack Size	
	Code	Size (ID)	Code		Code				Code		Code		Code
Small Quick	OCCV	6.3mm (1/4")	63	Female Connector	СВ			Platinum	PS	Non Sterile	1	25	11
Connector	QCCX	9.5mm (3/8")	95	Coupling Insert	Cl			Cured Silicone	PS	EO Sterile	2	50	03
				Female Plug**	PB							100	04
				Male Plug**	PI							250	13

#### Example:

QCCX	63	CI	χ	Х	PS	1	04

Туре		Tubing Size		Description		Х	Х	O-ring*	+	Sterility		Pack Size	
	Code	Size (ID)	Code		Code				Code		Code		Code
Medium	OCNAV	12.7 mm (1/2")	12	Female Connector	СВ			Platinum	PS	Non Sterile	1	25	11
Quick Connector	QCMX	19.05 mm (3/4")	19	Coupling Insert	CI			Cured Si <b>l</b> icone	123	EO Sterile	2	50	03
		25.4 mm (1")	25	Female Plug	PB							100	04
				Male Plug	PI								

Example:								
	QCMX	12	CI	Х	Х	PS	1	04

<sup>\*</sup> 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.

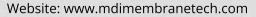
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<sup>\*\*</sup> Tubing Size is not applicable to female plug and male plug. The 15 digit Code for these will have XX instead of tubing size code.