

QuiKonnnect™

Polycarbonate Quick Connectors (Autoclavable)

DATASHEET

Product Description

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



1/2" Hose Barb
Male Connector



Female Plug for 1/2" Hose
Barb Male Connector



1/4" Hose Barb
Male Connector



Female Plug



3/4" Hose Barb
Male Connector



3/8" Hose Barb
Male Connector



1" Hose Barb
Male Connector



1/2" Hose Barb
Female Connector



Male Plug for 1/2" Hose
Barb Female Connector



1/4" Hose Barb
Female Connector



Male Plug



3/4" Hose Barb
Female Connector



3/8" Hose Barb
Female Connector



1" Hose Barb
Female Connector

DST QCCXXX2414K

QuiKonnnect™

Polycarbonate Quick Connectors (Autoclavable)

DATASHEET

DST QCCXXX2414K

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 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 Gas	Sterilizable by Ethylene Oxide
	Autoclave	5 Autoclaving cycles at 125 °C for 30 minutes. Sterilize uncoupled only
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>

Part and Size	Compatible Tubing ID	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

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

QuiKonnnect™

Polycarbonate Quick Connectors (Autoclavable)

DATASHEET

DST QCCXXX2414K

Ordering Information

Type		Tubing Size		Description		X	X	O-ring*	Sterility		Pack Size		
	Code	Size (ID)	Code		Code				Code		Code		Code
Small Quick Connector	QCCX	6.3mm (1/4")	63	Female Connector	CB			Platinum Cured Silicone	PS	Non Sterile	1	25	11
		9.5mm (3/8")	95	Coupling Insert	CI					EO Sterile	2	50	03
				Female Plug**	PB								
				Male Plug**	PI					250	13		

Example:

QCCX		63		CI		X	X	PS		1		04
------	--	----	--	----	--	---	---	----	--	---	--	----

Type		Tubing Size		Description		X	X	O-ring*		Sterility		Pack Size	
	Code	Size (ID)	Code		Code				Code		Code		Code
Medium Quick Connector	QCMX	12.7 mm (1/2")	12	Female Connector	CB			Platinum Cured Silicone	PS	Non Sterile	1	25	11
		19.05 mm (3/4")	19	Coupling Insert	CI					EO Sterile	2	50	03
		25.4 mm (1")	25	Female Plug	PB							100	04
					Male Plug	PI							

Example:

QCMX		12		CI		X	X	PS		1		04
------	--	----	--	----	--	---	---	----	--	---	--	----

* 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.

CORPORATE OFFICE

Advanced Microdevices
20-21, Industrial Area, Ambala Cantt
133 006, India
E-mail: info@mdimembrane.com
Website: www.mdimembrane.com

US OFFICE

MDI Membrane Technologies INC
75 Utley Drive STE 103
Camp Hill, Pennsylvania 17011
United States of America
Website: www.mdimembranetech.com