



Lynx® CDR Connectors

Multiple, sterile connections, disconnections and reconnections of single-use assemblies

The Lynx® CDR (Connect, Disconnect and Reconnect) device provides a reliable and validated connection for multiple transfers of sterile fluids. Part of the Mobius® single-use bioprocessing family, it is designed to provide flexibility in single-use bioprocessing by enabling up to six connections, disconnections and reconnections of multiple flow paths, while remaining sterile and leak free.

Quick and Easy Connections and Disconnections

When used on a single-use assembly, the Lynx® CDR connector allows you to connect, start and stop flow, disconnect, and reconnect up to six times. Comprised of three core parts: a Female Valve, Sterile Housing and a Male Valve, Lynx® CDR was designed with ease of use in mind.

A Range of Configurations

The Lynx® CDR connector is available in a wide range of sizes, from 3/8- inch hose barb to 1 1/2 inch TC, and configurations from sampling to intermediate additions to bulk liquid transfer. Unlike standard single aseptic connections, the gamma sterilized ready-to-use disposable assembly with Lynx® CDR connector assures sterility throughout multiple connections in your overall system.



Features and Benefits

- Provides multiple uses of a single-use assembly before disposal.
- Eliminates the risk associated with aseptic connection processes
- Ergonomic, fast and easy connectivity for maximum flexibility
- Economical, lower cost as compared to using multiple connectors and disconnectors
- Validated for multiple sterile connections/disconnections
- Wet connection/disconnection at 10 psi line pressure
- High pressure (60 psi, 4.1 bar) when connected
- Bi-directional flow
- Flexibility to connect different sized tubing
- Male barb rotates during connection to keep tubing from kinking
- Gamma irradiated version available for autoclave sterilization by the user

A validated alternative to traditional aseptic connections

A single-use system is typically a one-time connect process. With the Lynx® CDR devices, the flexibility of multiple connections is being brought to single-use bioprocessing.

Sterile liquid transfer

The Lynx® CDR connector was designed to be integrated with single-use components including: single-use capsules, tubing and flexible containers. When sterilized by gamma irradiation or by autoclave sterilized for the gamma irradiated male version these assemblies are ideal for a wide range of liquid transfer applications, and are easily integrated into both upstream and downstream work flows ensuring the secure transfer of your valuable product.

Microbiological sampling

For large sampling volumes or applications requiring a large numbers of samples, such as bioreactor sampling, the Lynx® CDR connector provides efficient and secure connections that reduce the risk of contamination. A manifold assembly of flexible sampling containers can be connected via a Lynx® CDR connector enabling flexibility in product sampling of small volume material transfers. This sterile connection to the sample point minimizes the risk of false positives.

The Emprove® Program

Your fast track through regulatory challenges. Complementing our product portfolio, the Emprove® Program provides three types of dossiers to support different stages of development and manufacturing operations such as qualification, risk assessment and process optimization. The dossiers consolidate comprehensive product-specific testing data, quality statements and regulatory information in a readily-available format to simplify your compliance needs.

For more information, please visit: MerckMillipore.com/emprove

Snap, slide, twist

With Lynx® CDR connectors, you are ready to go in just 3 easy steps.



Connect

- Snap the Female and Male plates together
- Slide the blue door upwards to a locked position
- Push and twist the blue handle towards the sterile housing until locked into place

Disconnect

- Twist and pull blue handle outwards
- Slide the blue door downwards
- Un-snap the Female and Male plates

Specifications

Maximum Differential Pressure (bi-directional)

Disconnected	15 psig (1 bar)
During connection or disconnection	10 psig (0.7 bar)
Connected	60 psig (4.1 bar)

Sterilization Capability

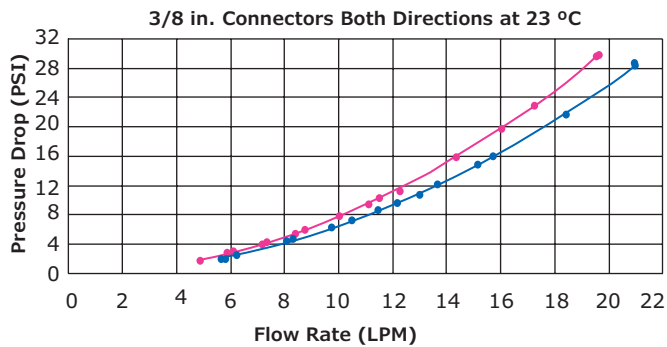
Gamma	up to 45 kGy
Autoclave	up to 131 °C, 30 minutes, 3 cycles

Temperature Ratings

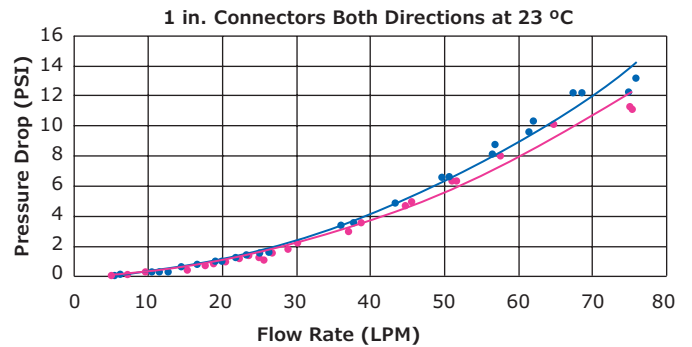
Storage	0-40 °C (32-104 °F) environmental temperature
Freeze	-80 °C (-112 °F)
Operating	2-40 °C (36-104 °F) liquid temperature

Dimensions

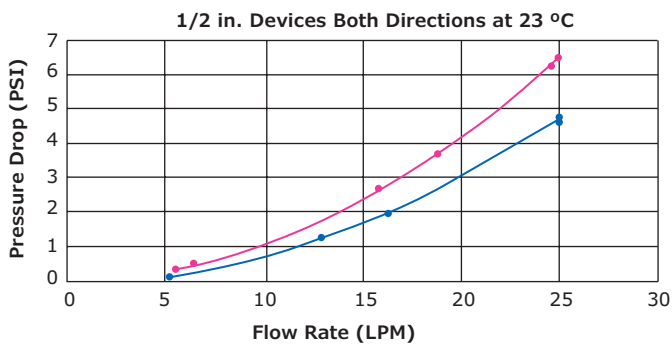
Female	(Nominal) Length: 5.5 in (14.0 cm), Width: 3.3 in (8.4 cm), Height: 5.4 in (13.7 cm)
Male	(Nominal) Length: 10.1 in (25.7 cm), Width: 3.3 in (8.4 cm), Height: 5.4 in (13.7 cm)



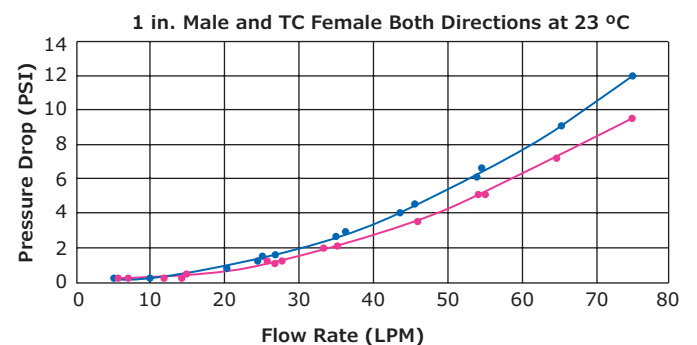
● Male to Female ● Female to Male



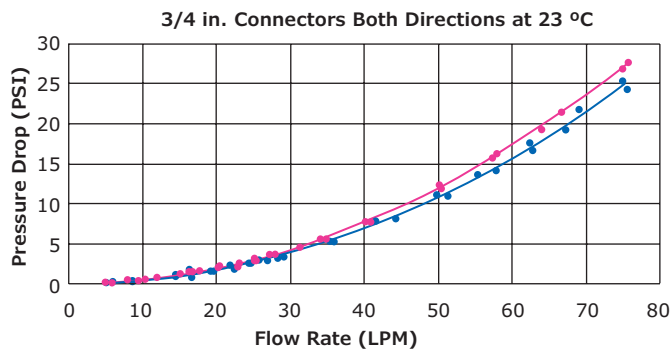
● Male to Female ● Female to Male



● 1/2 in. Male to 1/2 in. Female ● 1/2 in. Female to 1/2 in. Male



● 1 in. Male to TC Female ● TC Female to 1 in. Male



● Male to Female ● Female to Male

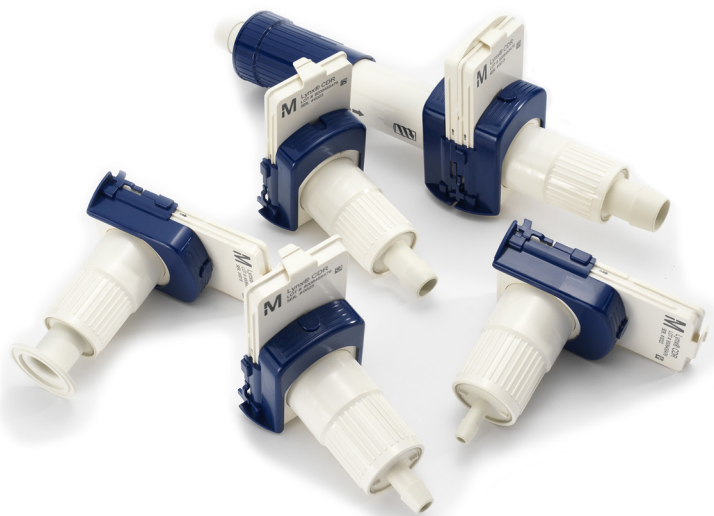
Solid, streamlined design

Constructed of high temperature resistant polysulfone (PSU) and silicone seals, the Lynx® CDR connector provides the reliability and strength you require for your connection needs.

Lynx® CDR Connectors are available for use with multiple tube sizes allowing you to choose the male and female connectors that best fit your process requirements.

Materials of construction

- Flow path, valve body, male and female: Glass filled polysulfone USP Class VI, ADCF
- Seals, male and female: Silicone USP Class VI, ADCF or EMA/410/01 compliant
- Springs: Male is wetted: 316, stainless steel, electropolished; female is not wetted: 316, stainless steel, passivated
- Outer housing, sterility chamber: Polysulfone
- Sterility housing door seal: Silicone USP Class VI, ADCF
- Male vent membrane: Polyethersulfone



Ordering Information

Description	Size	Qty / Pk	Cat. No.	
			Gamma Irradiated	Non-irradiated
Lynx® CDR Female Reconnectable Connector	3/8 in. hose barb	5	N/A	CDRF3HN05
	1/2 in. hose barb	5	N/A	CDRF4HN05
	3/4 in. hose barb	5	N/A	CDRF6HN05
	1 in. hose barb	5	N/A	CDRF8HN05
	1 1/2 in. Tri-Clover® Clamp	5	N/A	CDRF1TN05
Lynx® CDR Male Reconnectable Connector	3/8 in. hose barb	5	CDRM3HG05	CDRM3HN05
	1/2 in. hose barb	5	CDRM4HG05	CDRM4HN05
	3/4 in. hose barb	5	CDRM6HG05	CDRM6HN05
	1 in. hose barb	5	CDRM8HG05	CDRM8HN05
Accessories				
Tri-Clover® Clamp	1 1/2 in. TC	1		P83063
Tri-Clover® Gasket	1 1/2 in. TC	10		YY2004055

To learn more about how Lynx® CDR connector can fit in your process, read our

Application Note, Lit No. AN5889EN00.

For additional information,

please visit [MerckMillipore.com](https://www.MerckMillipore.com)

To place an order or receive technical assistance, please visit [MerckMillipore.com/contactPS](https://www.MerckMillipore.com/contactPS)

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt, Germany

