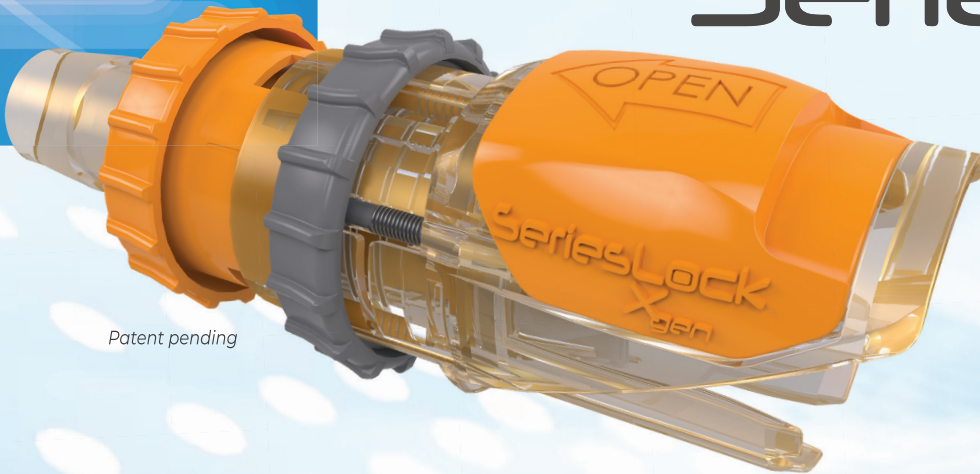


SeriesLock Xgen™



Patent pending

SeriesLock Xgen™ Genderless Multi-Connect CDR

SeriesLock Xgen™ is an intuitive, easy to use genderless sterile quick-disconnect solution. Xgen genderless quick connect technology is revolutionizing the bioprocessing industry by offering a more efficient, versatile, and reliable solution for connecting equipment and processes.

Xgen is revolutionary with a small footprint of 3.6" per half and 5.1" connected. Recessed mating features protect contact surfaces and allows for a sterile, leak free connection, disconnection, and reconnection up to 10 times even in gray spaces.

This genderless connector is manufactured with ISO 10993 compliant materials. All fluid contacting components are constructed from polysulphone (PSU) and incorporate Class VI silicone seals.

The audible click upon connection, the locking rings and the safety slide release are features to help prevent accidental disconnects. Standard sizes are available to accommodate tubing sizes ranging from 1/4" ID to 1" ID Tubing.

Product Features:

- Sterile single-use connection that disconnects and reconnects up to ten times.
- Safety lock-out feature when connector valve is open and flowing does not allow for an accidental disconnect.
- Reduces inventory with single part numbers in both halves of a symmetrical assembly.
- Audible click confirms proper connection.
- Bi-directional flow.
- Polysulfone housing for toughness and stability at high temperatures.
- Operating Pressures to 50psi (3.45 bar)
- E-beam, Autoclave and Gamma sterilization stable.

POWER
of 10X



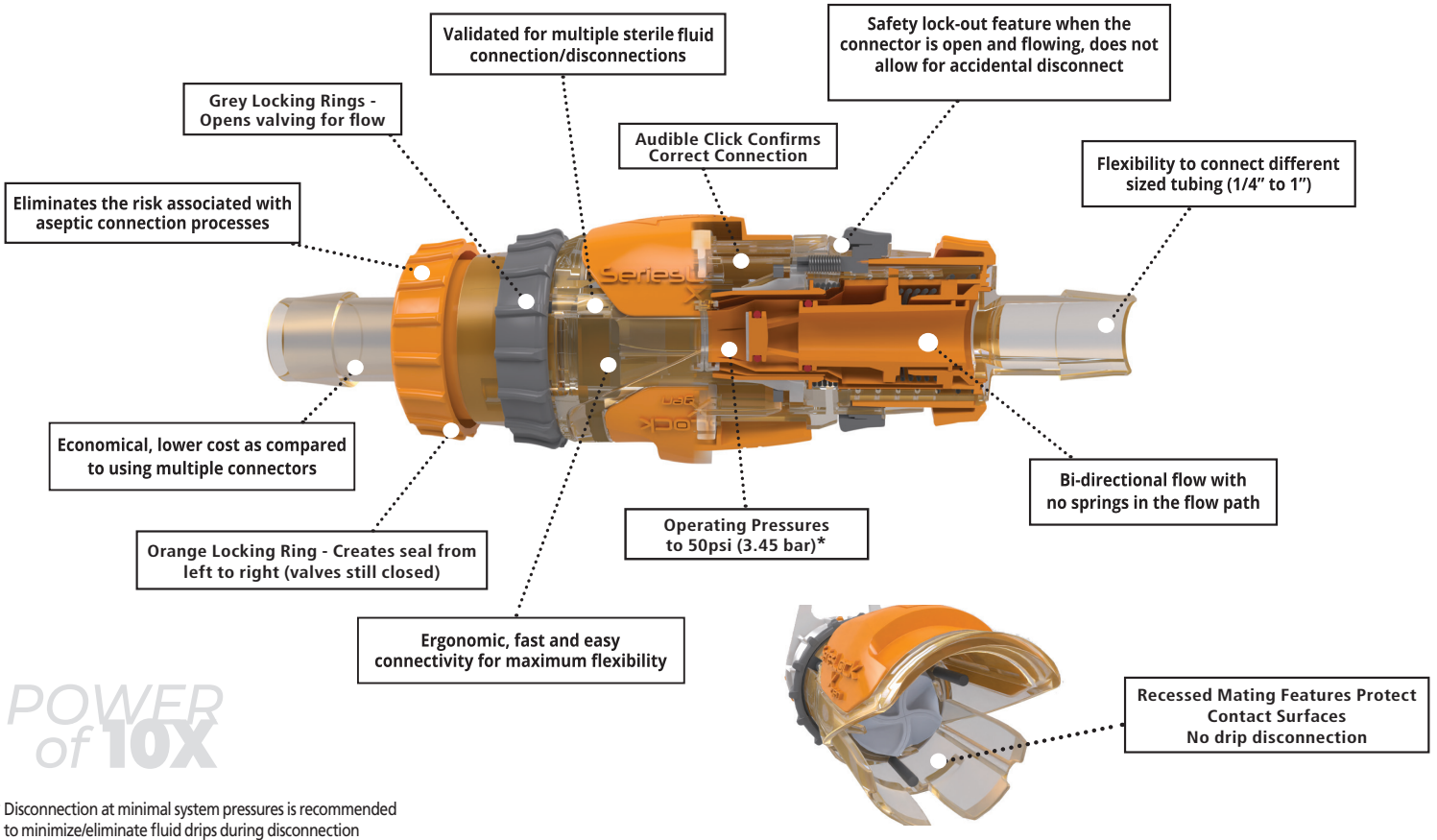
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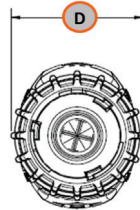
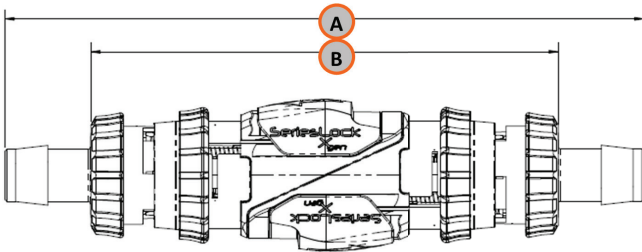
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Patents: <https://serieslock.com/patents/> and patents pending

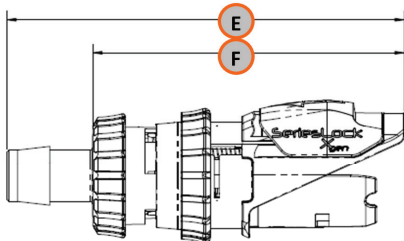
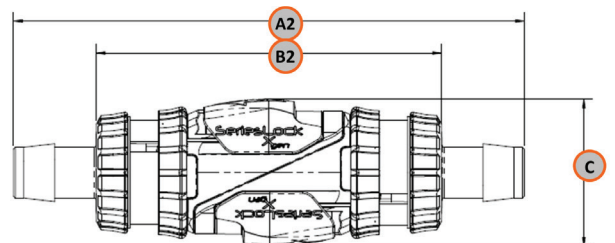
FEATURE AND BENEFITS



Valves CLOSED



Valves OPEN



LEFT-TO-RIGHT CONNECTED - OPEN VS CLOSED VALVE

Tubing Size	Barb Fittings (Dimensions in Inches)							
	A	B	A2	B2	C	D	E	F
1/4"	8.06	6.58	6.51	5.03	2.17	1.94	5.11	4.37
3/8"	8.26		6.71				5.21	
1/2"	8.58		7.03				5.37	
3/4"	8.98		7.43				5.57	
1"	9.38		7.83				5.77	

TESTING ANALYSIS AND VALIDATION

SERIESLOCK XGEN SPECIFICATIONS

Working Pressure	50psi, 3.5 bar
Storage Temperature Range	-112°F to 302°F (-80°C to 150°C)
Service Temperature Range	-4°F to 302°F (-20°C to 150°C)

STERILIZATION METHODS

	Gamma	E-Beam	ETO	Autoclave	
				121°C	134°C
Polysulfone	Yes	Yes	Yes	Yes	Yes

Irradiation

- Typical radiation cycle <50 kGy (end user to verify their use environment and sterilization cycle validations).

Autoclave

- 123°C for 45 minute
- 134°C for 15 minutes (Gravity Displacement Method - unwrapped) followed by 15-30 minutes drying time.

INTERNAL SURFACE AREA AND VOLUMES

Tubing Size	Surface Area (cm ²)	Volume (cc)	HOLD-UP Volume (1) (cc)
1/4"	35.40	8.88	0.002
3/8"	37.43	9.49	
1/2"	40.30	10.57	
3/4"	44.97	14.93	
1"	56.45	20.94	

WEIGHTS (GRAMS) – ONE HALF ONLY

Tubing Size	Polysulfone Housing
1/4"	87
3/8"	87
1/2"	88
3/4"	90
1"	94

INTERNAL SURFACE AREA AND VOLUMES

Tubing Size	Barb Fittings (Dimensions in Inches)							
	A	B	A2	B2	C	D	E	F
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1"	9.38		7.83				5.77	

CIRCULATION VOLUMES

Tubing Size	Flow (GPM)
3/8"	1.01
1/2"	1.765
3/4"	2.375
1"	2.394

REGULATORY:

- Superior Bio Compatibility
- Ultra-low Extractables / Leachables
- USP Class VI Compliant
- REACH and RoHS Compliant
- ISO 10993-4 – Non-hemolytic
- ISO 10993-5 – Non-cytotoxic
- ISO 10933-10– Intracutaneous Reactivity and Irritation / Sensitization
- ISO 10933-11– Systemic Toxicity
- Non-animal derived – BSE/TSE compliant
- Material Certificate and Lot Traceability

ORDERING

SERIESLOCK XGEN™

Part Number	Description
B-XG-SO-SS-4-QC	Xgen, Valved Genderless, Polysulfone, Silicone O-Ring, SS Spring - 1/4" Barb
B-XG-SO-SS-6-QC	Xgen, Valved Genderless, Polysulfone, Silicone O-Ring, SS Spring - 3/8" Barb
B-XG-SO-SS-8-QC	Xgen, Valved Genderless, Polysulfone, Silicone O-Ring, SS Spring - 1/2" Barb
B-XG-SO-SS-12-QC	Xgen, Valved Genderless, Polysulfone, Silicone O-Ring, SS Spring - 3/4" Barb
B-XG-SO-SS-16-QC	Xgen, Valved Genderless, Polysulfone, Silicone O-Ring, SS Spring - 1" Barb

ACCESSORIES

Part Number	Description
XGEN-P	Xgen, Dust Cover Plug
XGEN-BKT	Xgen, White Bracket

For more information
contact us at:
970-667-2728

Sales @eldonjames.com

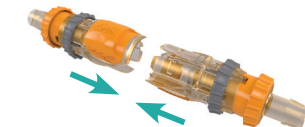


**POWER
of 10X**

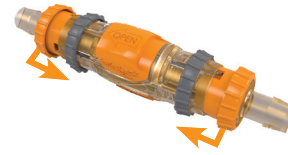
EASY ASSEMBLY

SeriesLock Xgen™ is easy to assembly.

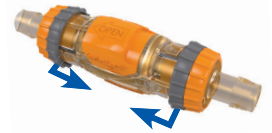
1. Push unit together until a click is heard.
2. Push orange rings towards center and twist to lock.
3. Push grey rings towards center and twist to lock.
4. Assembly complete.



- 1** PUSH to connect until **CLICK** is heard
- Two independent latches and release buttons
 - Latches are locked when valves are open



- 2** PUSH orange rings toward the center
- Remove white clips and push through sterile barrier



- 3** PUSH grey rings towards the center
- Pushes opposing valve open
 - Locks connection latch



- TWIST orange rings to lock**
- 45° Rotation
 - Creates seal from left to right (valves still closed)



- TWIST grey rings to lock.**
Assembly COMPLETE.
- 45° Rotation
 - Opens valving for flow



Explore the SeriesLock® Family of Products
WWW.SERIESLOCK.COM

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