

Closed, single-use, complete flow paths

for optimized TFDF™

The single-use, Gamma-irradiated and closed ProConnex® Flow Path with integrated sensors enable seamless operation on a KrosFlo® TFDF™ (Tangential Flow Depth Filtration) System. ProConnex® TFDF™ Flow Paths arrive dry, sodium hydroxide, glycerin, preservative and ethanol free for a zero flush start state. Feed stream enters the bottom port. Retentate travels through the lumen and exits the top of the tube. Permeate exits the enclosure through the lower permeate port.



ProConnex® TFDF™ Flow Paths include:

- TFDF™ filter
- Disposable pump head
- Integrated sensors
- Tubing
- Aseptic connectors

To ensure linear scalability from 1 to 2000 L, the number of tubes per enclosure and the tube length increases. Tube length increases from 20 cm to 108 cm. The effective length of the filter may be less than the physical length of the filter. The number of tubes increases from 1 - 40 per enclosure.



Number of tubes	1	10	40
Surface area (cm)	3 - 150	1500	6000

Length (cm)	20	108
Surface Area (cm ²)	3	150

Actual products subject to change. All images shown for reference only.

Revised 1/20/2020

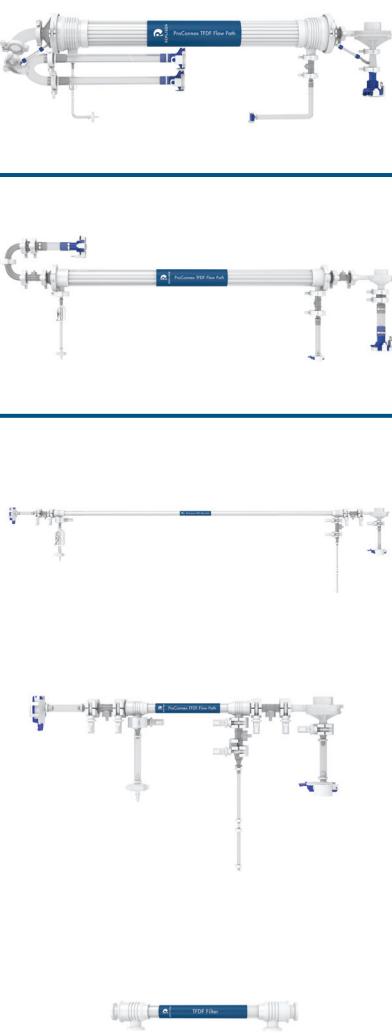


repligen.com

© Repligen Corporation. All rights reserved. All trademarks are the property of their respective owners.

Specifications

ProConnex® TFDF™ Flow Path	Lab-scale	Pilot-scale	Process-scale
Type	Filter	Flow path	Flow path
Surface area (cm ²)	3	3	1500
Recommended process volume (L)	<1L	<1L	<500 L
Total filter length (cm)	20	20	108
Effective length (cm)	2.2	2.2	108
Number of tubes	1	1	10
Standard configuration made to stock	Yes	No	No
Customizable	Yes	Yes	Yes
Part number	N/A	STFDFCL1511N	-
ProConnex Flow Paths	TFDF-3		



Actual products subject to change. All images shown for reference only.

Product Contact Materials of Construction	
TFDF filter module	TFDF filter module
Gaskets	Polysulfone, platinum cured silicone
Reducers	Polysulfone
Tubing	Platinum-cured silicone, C-Flex®†, PharmaMed®**
Aseptic connectors	Polycarbonate, platinum-cured silicone, polyethylene
Manifold	PVDF
Pump head	Polypropylene
Pressure sensors	Polysulfone
Connectors, hosebarb adaptors	Polypropylene
Air filter	PTFE, polyester, polypropylene
Various fittings**	PVDF, polypropylene

*Materials of construction vary based on scale and subject to change based on customer specific designs. †Lab-scale only. **Pilot and process scales only.

