

# Tanfil 100

## Tangential Flow Filtration System

Ultimate Simplification ·  
Multi-purpose ·  
Fast & Economical



### Features



#### 1 Ultimate simplification

- ◆ Integrated with pump, liquid reservoir and pressure gauges. Plug the tube, add samples and start processing.
- ◆ Buffer auto-refill, ensure continuous diafiltration with lowest impact.



#### 2 Multi-purpose

- ◆ TFF technique enables concentration and diafiltration at same run.
- ◆ Easy scale-up. Use same parameters and conditions from trial to mass production.



#### 3 Fast & Economical

- ◆ Acquire high concentration products much faster than traditional systems.
- ◆ No more membrane foulings, longer life of filtration membranes.

### Applications

- ◆ DNA / RNA / extracellular vesicles (EVs) concentration
- ◆ Biomolecules separation and purification
- ◆ Desalting and buffer exchange

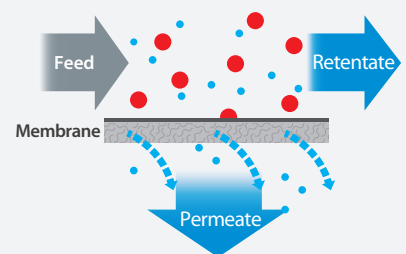


Certification

CE / RoHS

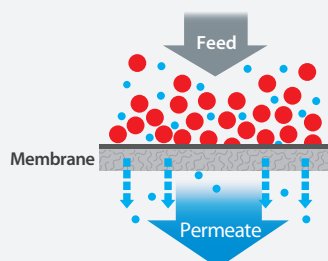
#### Tangential Flow Filtration (TFF) NEW!

Less Membrane Blocked, High Permeate Rate



#### Traditional Dead-End Filtration

Membrane Blocked, Low Permeate Rate





Material			
Reservoir	PES	Gauge wetted parts	SS316
Reservoir lid	PP	Gauge mounting block	PP
Reservoir O-ring	Silicone	Luer fittings	SS316, PP
Magnetic stir bar	PTFE Coated	Luer fitting O-ring	Silicone
Three-way valves	PC, POM	Tubing	TPE, Platinum-cured silicone

## Specification

Model	Tanfil 100
<b>PERFORMANCE DATA</b>	
Max. inlet pressure	60 psig
Max. gauge pressure	80 psig
Recirculation flow rate	0 ~ 460 mL/min
Min. recirculation volume	7 mL
Reservoir	PES Reservoir, 500 mL
Noise level	55 dB
Net weight	7.8 Kg
Dimension (LxWxH)	28 x 33 x 16 cm
<b>ELECTRICAL DATA</b>	
Power input	100-240V
Frequency	50 / 60Hz
Max. power	50W
Safety	Motor Overload Protection, Fuse
<b>OTHER DATA</b>	
Applicable capsules	<ul style="list-style-type: none"> <li>• Pall, Minimate™ TFF Capsules</li> <li>• Sartorius, Sartocoon Slice 50</li> <li>• Merck, Pellicon® XL 50 Device</li> </ul> Contact us for capsule compatibility of others.

### TFF Capsule

- Pall Minimate™ Tangential Flow Filtration Capsules (1/pk)
- Membrane Material: Omega (PES), Effective Filtration Area: 50 cm<sup>2</sup>

Catalog number	MWCO	Catalog number	MWCO
PALOA001C12	1K	PALOA070C12	70K
PALOA003C12	3K	PALOA100C12	100K
PALOA005C12	5K	PALOA300C12	300K
PALOA010C12	10K	PALOA500C12	500K
PALOA030C12	30K	PALOA990C12	1000K
PALOA050C12	50K		

- HansaBioMed TFF Hollow Fibers (1/pk)
- Recommend for Extracellular Vesicles (EVs) Research.

Catalog number	Description	Pore size
HBM-TFF1	TFF-Easy Polysulfone hollow fibers	5 nm
HBM-TFFMV	TFF-MV Polyethersulfone hollow fibers	150 nm
HBM-TFFEVS-S	TFF-EVs Polyethersulfone hollow fibers	50 ± 10 nm



- 184100-01(02)** Tanfil 100, Tangential Flow Filtration System, AC100-240V, 50/60Hz, US plug (EU plug)
- 203100-01(02)** MS 100, Low Profile Magnetic Stirrer with AC100-240V adaptor, US plug (EU plug)
- 203100-10** PTFE Magnetic Stirring Bar, Ø 3.6 x 25 mm
- 184100-47** TYGON®, Sani-Tech® Ultra-C Platinum-cured Silicone Tubing, ID 1/8" x OD 1/4", 50 ft
- 184100-48** Pharmed® BPT Tubing, ID 1/8" x OD 1/4", 25 ft

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