

Tangential Flow Filtration System



WATCH VIDEO

Features

► Multi-purpose

Tangential flow filtration technique enables concentration and diafiltration at same run.

► Less membrane fouling

Feed flows parallel to membrane and thus prevents membrane fouling and increases membrane utility.

► Easy scale-up

Use same parameters and conditions from trial to mass production.

► Plug & start

Integrated with pump, liquid reservoir and pressure gauges. Plug the tube, add samples and start processing.

► International certification

CE certification
RoHS certification

► One-Year Warranty

Applications

- Concentration and desalting
- Diafiltration and purification
- Buffer exchange and dialysis
- Exosomes and protein isolation

Ordering Information

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

Tanfil 100



Specification

Model	Tanfil 100
PERFORMANCE DATA	
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
ELECTRICAL DATA	
Power input	100-240V
Frequency	50 / 60Hz
Max. power	50W
Safety	Motor Overload Protection, Fuse
OTHER DATA	
Applicable capsules	• Pall, Minimate™ TFF Capsules • Sartorius, Sartoclon Slice 50 • Merck, Pellicon® XL 50 Device Contact us for capsule compatibility of others.

* Each unit includes a peristaltic pump, a reservoir, pressure gauges, a magnetic stirrer and tubing.

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Multi-purpose

Tangential flow filtration technique enables concentration and diafiltration at same run.

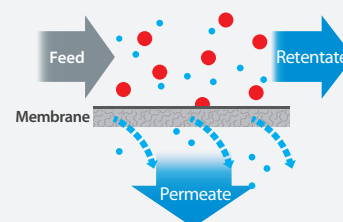


Continuous diafiltration

Buffer auto-refill, ensures smooth diafiltration with lowest impact.

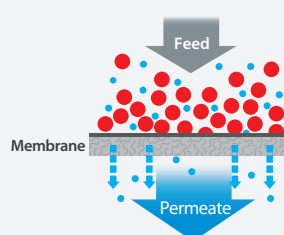
Tangential Flow Filtration (TFF) NEW !

Less membrane fouling. High permeate rate.



Traditional Dead-End Filtration

Membrane clogged. Low permeate rate.



Magnetic stirrer

Prevent precipitation, more effective filtration.



More economical

No more membrane foulings, longer life of filtration membranes.



Plug & start

Integrated with pump, liquid reservoir and pressure gauges. Plug the tube, add samples and start processing.

♦ TFF Capsule

Pall Minimate™ Tangential Flow Filtration Capsules (1/pk)



- Membrane Material: Omega (PES), Effective Filtration Area: 50 cm²
- * MWCO : Molecular Weight Cut-off

Catalog number	MWCO*
PALOA001C12	1K
PALOA003C12	3K
PALOA005C12	5K
PALOA010C12	10K
PALOA030C12	30K
PALOA050C12	50K

Catalog number	MWCO*
PALOA070C12	70K
PALOA100C12	100K
PALOA300C12	300K
PALOA500C12	500K
PALOA990C12	1000K

HansaBioMed TFF Hollow Fibers (1/pk)



- Recommend for EVs* and Exosomes Isolation
- * EVs : Extracellular Vesicles

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