avantor™ delivered by VWR™ | VWR.COM

LABORATORY

Minimate™ EVO Tangential Flow Filtration System

Plug and Play Benchtop TFF System

Pall's Minimate EVO Tangential Flow Filtration (TFF) system is designed for highly reliable buffer exchange or concentration of samples up to 1 liter. The new TFF system includes the addition of a downstream pressure gauge to enable accurate transmembrane pressure (TMP) differential calculations, allowing greater user control and easier validation. In addition, the Minimate EVO TFF system features improved stirring, more durable tubing and connections, and overall easier setup and operation.

Applications

Tangential flow filtration is a rapid and efficient method for the concentration or diafiltration of biomolecules. It can be used in a wide range of applications.

- Concentrate and desalt proteins, peptides, or nucleic acids (DNA, RNA, oligonucleotides)
- Recover antibodies or recombinant proteins from clarified cell culture media
- Process metal sensitive enzymes and molecules
- Separate (fractionate) large from small biomolecules
- Recover or remove viruses from solutions
- Prepare samples prior to column chromatography
- Concentrate samples after gel filtration
- Replace dialysis applications
- Depyrogenate water, buffers, and media solutions

Specifications

Materials of Construction

Reservoir
Polysulfone

Reservoir Cover
Polypropylene

Reservoir O-Ring
Buna◆-N rubber (nitrile)

Magnetic Stir Bar
PTFE coated

Gauge Wetted Parts
Type 316L stainless steel

SS Fitting O-ring
EPDM rubber

Gauge Mounting Block
Polypropylene



Luer Fittings
Polypropylene and stainless steel

Tubing
PharMed◆ #16

Three-Way Valves
Polycarbonate body, acetal core

Drip Tray
Urethane

Minimate EVO TFF System

Includes peristaltic pump, pump head, 2 pressure gauges, reservoir, stir plate, drip tray, and assorted fittings

Dimensions
30.7 cm W x 48.2 cm D x 20.8 cm H
(12.1 in. W x 19 in. D x 8.2 in. H)

Weight
6.0 kg (13.2 lbs.)

Maximum Inlet Pressure
4.1 bar (410 kPa, 60 psi)

Operating Temperature Range
0 - 50 °C (0 - 106 °F)

Recirculation Flow Rate
10 - 240 mL/min

Minimum System Working Volume
< 15 mL

MWCO Selection Guide

MWCO	Biomolecule Molecular Weight	Pall Part No.	VWR US Cat. No.	VWR EMEA Cat. No.
1K	3-6K	OA001C12	29301-900	515-0116
3K	10-20K	OA003C12	29301-902	515-0117
5K	15-30K	OA005C12	29301-904	515-0118
10K	30-90K	OA010C12	29301-908	516-6879
30K	90-180K	OA030C12	29301-910	516-6880
50K	150-300K	OA050C12	29301-912	515-0119
70K	210-420K	OA070C12	29301-914	515-0120
100K	300-900K	OA100C12	29301-916	516-6881
300K	900-1800K	OA300C12	29301-920	515-0121
500K	1500-3000K	OA500C12	29301-922	515-0122
1000K	>3000K	OA990C12	29301-924	515-0123

Ordering Information

Minimate EVO TFF System

VWR US Cat. No.	VWR EU Cat. No.	Pall Part No.	Description	Pkg
76409-724	516-1085	OAPMPUNV	Includes peristaltic pump, pump head, 2 pressure gauges, reservoir, stir plate, drip tray, and assorted fittings	1/pkg

Minimate TFF Capsules with Omega™ Membrane

VWR US Cat. No.	VWR EU Cat. No.	Pall Part No.	Description (MWCO)	Pkg
29301-900	515-0116	OA001C12	1K	1/pkg
29301-902	515-0117	OA003C12	3K	1/pkg
29301-904	515-0118	OA005C12	5K	1/pkg
29301-908	516-6879	OA010C12	10K	1/pkg
29301-910	516-6880	OA030C12	30K	1/pkg
29301-912	515-0119	OA050C12	50K	1/pkg
29301-914	515-0120	OA070C12	70K	1/pkg
29301-916	516-6881	OA100C12	100K	1/pkg
29301-920	515-0121	OA300C12	300K	1/pkg
29301-922	515-0122	OA500C12	500K	1/pkg
29301-924	515-0123	OA990C12	1000k	1/pkg

PALL CORPORATION

Ordering:

vwr.com

avantor™ delivered by VWR™

VWR.COM

Prices, product, and/or services details are current when published and subject to change without notice. | Certain products or services may be limited by country, federal, state, provincial, or local regulations. | VWR, part of Avantor, makes no claims or warranties concerning sustainable/green products. Any claims concerning sustainable/green products are the sole claims of the manufacturer and not those of VWR International, LLC and/or Avantor, Inc. or affiliates. Offers valid in countries listed above, void where prohibited by law or company policy, while supplies last. | Trademarks are owned by Avantor, Inc. or its affiliates, unless otherwise noted. | Visit vwr.com to view our privacy policy, trademark owners, and additional disclaimers. © 2022 Avantor, Inc. All rights reserved.

XXXXX XXXX XXXXXX

© Copyright 2022, Pall Corporation. Pall, PALL, Minimate, and Omega are trademarks of Pall Corporation. ® Indicates a trademark registered in the USA. ◆Buna is a trademark of Pittway Corporation; Easyoad, L/S, Masterflex are trademarks of Cole-Parmer. GN22.0225