

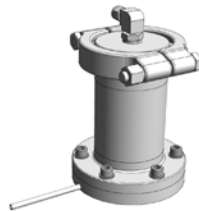


MEMBRANE FILTRATION FOR ALL INDUSTRIES

MMS LABORATORY & PILOT SYSTEMS

Membrane Solutions for the Laboratory

Tools enabling innovation



SYSTEM	MemHPLC	Memtester	TripleSystem	SW18
Operation mode	Batch	Batch	Batch	Batch
Membrane type	Flatsheet	Flatsheet	Flatsheet, Ceramic	Spiral wound, Ceramic, Hollow Fibre, Tubular
Feed volume	50-300 ml	50-300 ml	200-800 ml	2-20 l
Dead volume	5 ml	10 ml	50 ml	0.8-1.0 l
Pressure rating	40 bar*	40 bar	40 bar*	40 bar*
Pressure source	HPLC pump	Compressed N ₂	Compressed N ₂	Pressure/circulation pump
Crossflow source	HPLC pump	Magnetic stirrer	Circulation pump	Pressure/circulation pump
Heat exchanger	No	No	Tank with jacket	Tank with jacket & multitube
Auto. diafiltration	No (manual)	No (manual)	Yes, optional	Yes, optional
Data logging	No	No	Yes	Yes

*60 bar optional

Membrane Solutions for the Pilot Plant

Tools enabling innovation



SYSTEM	SW25	SW40	HFC7 (low pressure)	SW80
Operation mode	Batch, continuous	Batch, continuous	Batch, continuous	Batch, continuous
Automation	Manual, optional semi-automatic	Semi-automatic	Semi-automatic	Semi-automatic
Membrane type	Spiral wound, Ceramic, Hollow Fibre, Tubular	Spiral wound, Ceramic, Hollow Fibre, Tubular	Spiral wound, Ceramic, Hollow Fibre, Tubular	Spiral wound, Ceramic, Hollow Fibre, Tubular
Feed volume	20 – 200 l	200 – 1 000 l	200 – 1 000 l	500 – 10000 l
Dead volume	3 – 5 l	15 – 40 l	20 – 40 l	20 – 60 l
Pressure rating	40 bar (60 bar optional)	40 bar (60 bar optional)	6 bar	40 bar (60 bar optional)
Pressure source	Pressure pump	Pressure pump	Pressure pump	Pressure pump
Crossflow source	Circulation pump	Circulation pump	Circulation pump	Circulation pump
Heat exchanger	Yes	Yes	Yes	Yes
Auto. diafiltration	Yes	Yes	Yes	Yes
Data logging	Yes	Yes	Yes	Yes

MMS ID 300 • 02/2024



Why choose MMS

- We offer solutions and guidance for all stages from development through pilot trials to full-scale systems.
- We understand the technology and processes and match them to your needs and requirements.
- We have more than 25 years of experience.
- We are open to new ideas and opportunities.
- We are easy to communicate with in all respects.
- We innovate based on customer challenges and cross-industry experience.
- We are independent and do not represent any specific manufacturers

CONTACT US

Zurich Office

MMS AG Membrane Systems
Im Grossherweg 11
8902 Urdorf
Switzerland
T: +41 (44) 735 59 00
info@mmsx.com
mmsx.com

Nordic Office

MMS Nordic
Ørstedsvej 14A
8600 Silkeborg
Denmark
T: +45 7090 9030
info@mmsnordic.dk
mmsx.com

MMS
Membrane Systems