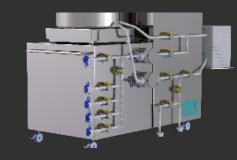


TECHNICAL SPECIFICIATIONS

Single-Use Ultrafiltration Diafiltration Skid

	Equi	pment Specifications	
Power	ver 120 - 230 VAC, 50/60 Hz, 1200 Watts		
Utility Requirements Com	pressed Air	6 bar minimum, oil & particle free	
Tank Volume		50 L, 100 L, or 200 L	200 L
Minimum Working Volume		as low as 0.7 L	as low as 2.2 L
Hold-up Volume (excluding filtration device)		as low as 700 mL	s low as 2200 mL
Membrane Area		up to 10 m²	up to 20 m²
Feed Flow Rate		2.0 - 20.0 L/min ±10%	4.0 - 150 L/min ±10%
Filtrate Flow Rate		0.5 - 8.0 L/min ±5%	
Retentate Flow Rate		<2 L/min ±0.12 L/min >2 L/min ±5% L/min	
Pump Speed Range		0.2 - 265 RPM	
Pump Capacity		up to 16000 mL/min	
Valves		(5) Pinch Valves	
Onboard Bubble Detectors		(3) Clamp-on Bubble Detectors	
Operational Temperature		2 - 40 °C, 10 - 90% (non-condensing)	
Inlets		5 inlets (air plus 4 fluids)	
Outlet Ports		1 drain, 1 recovery, 1 filtrate	
Unrecoverable Volume		nominal amount	
Onboard Pressure Sensors		(3) Single-Use Pressure Sensors	
Pressure Control		0 - 100% control for 75 - 0 psi	
Pressume Maximum		0 - 4 bar ±0.2 bar	
Over Pressure Protection		Yes	
Operational Filtrate Conductivity		0 - 150 μS/cm Default range: 0 - 100 μS/cm ±3% + 0,4μS/cm	
Tank Temperature Sensor		2 - 45 °C ±2 °C	
Optional Filtrate UV Sensor		0 - 2 AU (wavelengths 280/300 nm) ±2% FS	
Optional Flow Meter Sensor (non-contact)		0.4 - 2.0 ±0.12 L/min >2.0 L/min ±5% at 20 °C	
		Control	
НМІ		Yes	





Ultrafiltration Diafiltration Skid

Flowpath Assemblies

Our single-use flowpath assemblies are designed for optimal ease-of-use and consistent performance. These assemblies are USP Class VI and Animal-Free or EMA/410/01-compliant, providing a high level of safety and reliability comparable to traditional stainless-steel systems. With clear labeling to minimize operator error, our flowpaths eliminate moving parts and reduce dead space, effectively minimizing contamination risks. Additionally, our flowpaths support closed processing, which decreases cleanroom requirements and enhances the flexibility and productivity of your facility.

- Ready to Use: Gamma irradiated to reduce set-up time
- Enhanced Reliability: Fewer connections compared to traditional single-use systems, minimizing the risk of integrity failure.
- Tested for Performance: Assemblies are 100% integrity tested during manufacturing to ensure robust performance.
- Maximized Efficiency: Reduced dead legs enhance product purity, recovery, and diafiltration efficiency.
- No Cleaning Needed: Eliminates the need for cleaning validation.
- Increased Flexibility: Closed operation mode reduces contamination risks and boosts manufacturing efficiency and flexibility.

