PRODUCT SHEET

SANI Membranes

Vibro-Flow 5

Feed System For Vibro-I 2.5 & 5 m²

AUTOMATIC MODE WITHOUT PERMEATE CONTROL

TMP controlled by feed pump

AUTOMATIC MODE WITH PERMEATE CONTROL

Flux or TMP controlled by permeate pump; System pressure controlled by feed pump

MANUAL MODE

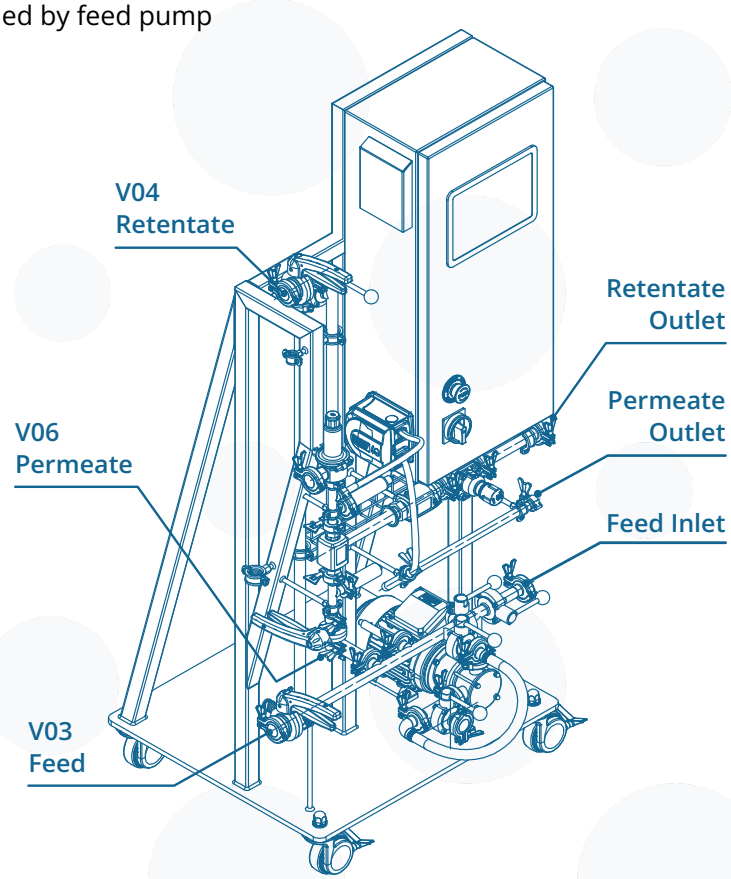
Direct pump and Vibro-I Drive control

Process Development

The Vibro-Flow 5 is a compact, stainless-steel processing solution engineered to unlock the full potential of the patented Vibro® Membrane Filtration technology.

The system is designed for use with 2.5 & 5 m² Vibro-I cartridge and is ideal for both process development and small-scale manufacturing.

The system comes equipped with positive displacement feed and permeate pumps, pressure, flow and temperature monitoring, built in safety interlocks, and adjustable user alarm functions for safe and reliable operation.



Superior Yield. Gentle Processing.

The optional permeate control feature ensures precise regulation of either transmembrane pressure (TMP) or flux. By actively adjusting the permeate pump, the Vibro-Flow 5 maintains uniform membrane performance.

Combining low energy consumption and minimal shear impact, the Vibro-Flow 5 provides an optimal, reliable, and product-friendly filtration process, perfectly suited for even the most sensitive media.

VMF Vibro® Membrane Filtration

Sani Membranes A/S

www.sanimembranes.com
CVR No: DK35821015
Ryttermarken 8 | 3520 Farum | Denmark

Contact:

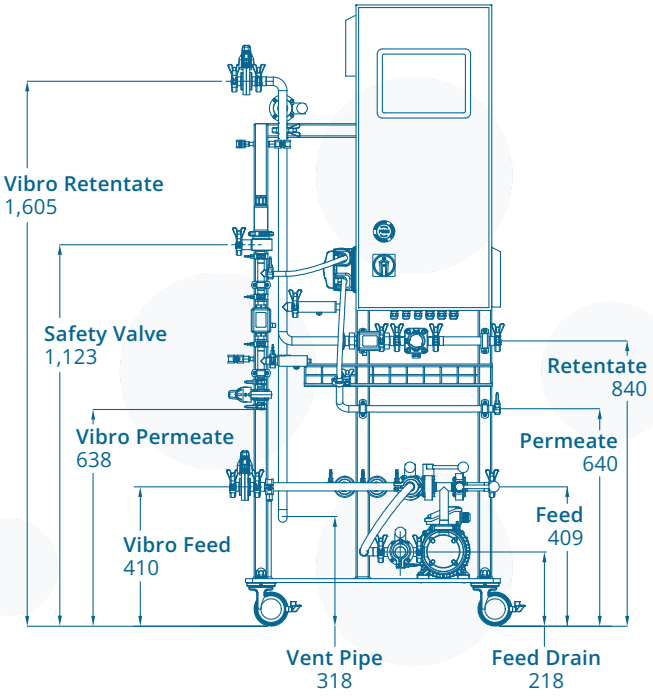
SANI Membranes

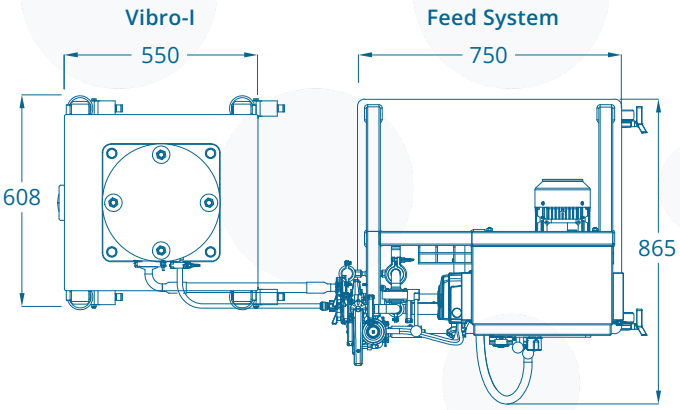
Vibro-Flow 5

Feed System For For Vibro-I 2.5 & 5 m²

Specifications

Weight	140 kg
Compatible Equipment	Vibro-I Drive with cartridge 2.5 or 5 m²
Materials	Frame | 304 Stainless steel Piping | 316L Stainless steel Media Contact | Food-grade
Pumps	Feed Pump | Impeller Pump Permeate Pump | Peristaltic Pump
Instrumentation	Retentate | Flow / conductivity / pressure Feed | Pressure / temperature Permeate | Flow / conductivity / pressure
Temperature & Pressure Limits	Feed pressure limits: 0–4 bar(g) at 5–35 °C * 0–3 bar(g) at 35–55 °C * 0–1 bar(g) at 55–80 °C * Permeate pressure limits: 0-2 bar(g) *, **
Liquid Connections	Tri Clamp K50.5: Feed inlet & outlet to Vibro-I unit Retentate outlet & inlet from Vibro-I unit Feed & safety valve drain Mini Clamp K25: Permeate inlet from Vibro-I unit, permeate outlet to permeate collection tank ½" Hose barb connection: Vent pipe
Electrical Connections	Power supply: CEE plug, 5-pin (3P+N+PE; N not used), 16 A, 400V Output to Vibro-I Drive: 7-pin industrial connector
CIP	Supports CIP by internal pumps or controlled via external CIP pump
Data logging & Alarms	Stores approx. 800 data points Alarm log stores latest 25 alarms USB Key included for backup





* *High level alarms and interlocks protect against overpressure.*

** *Pressure safety relief valve at 2.5 bar(g)*

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