

Vibro-Flow 20

Feed System For Vibro-I 10 & 20 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

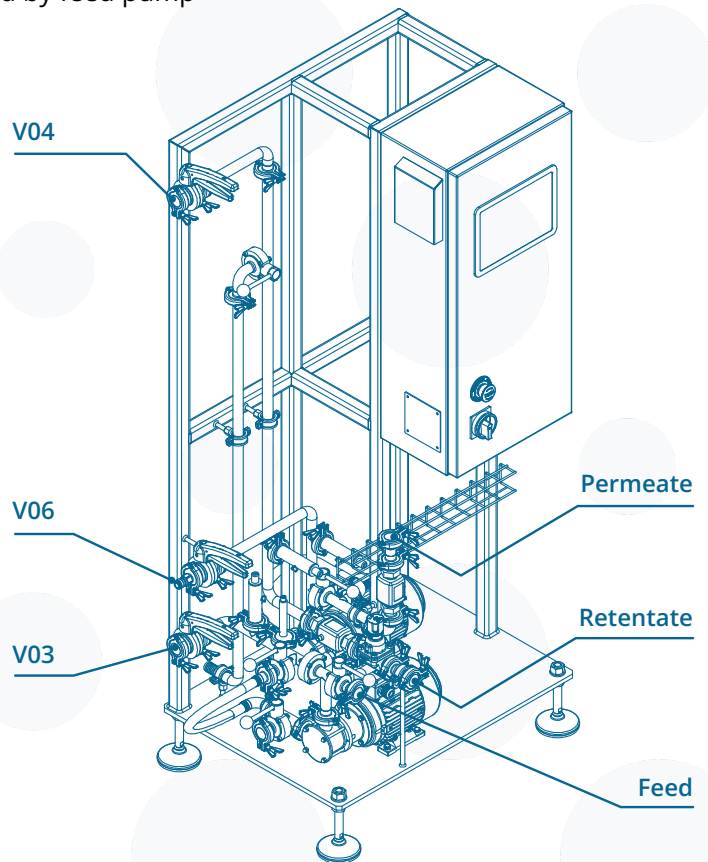
Direct pump and Vibro-I Drive control

Process Development

The Vibro-Flow 20 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 10 & 20 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 20 maintains uniform membrane performance.

Combining low energy consumption and minimal shear impact, the Vibro-Flow 20 provides an optimal, reliable, and product-friendly filtration process, perfectly suited for even the most sensitive media.

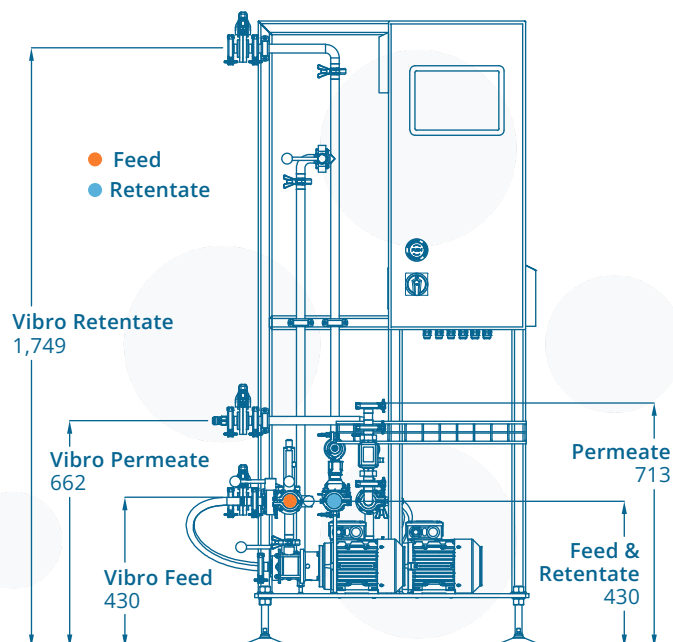
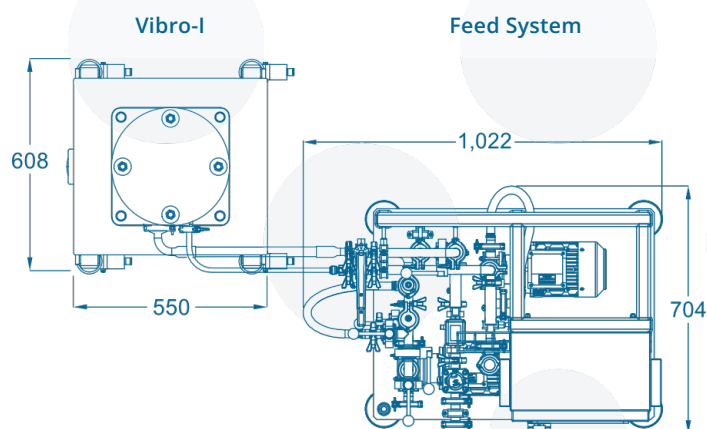


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Specifications

Weight	140 kg
Compatible Equipment	Vibro-I Drive with cartridge 10 or 20 m ² 2.5 or 5 m ² (only high flux applications)
Materials	Frame 304 Stainless steel Piping 316L Stainless steel Media Contact Food-grade
Pumps	Feed Pump Impeller Pump Permeate Pump Impeller 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 *
Liquid Connections	Tri Clamp K50.5: Feed inlet & outlet to Vibro-I unit Retentate outlet & inlet from Vibro-I unit Permeate outlet & inlet from Vibro-I unit Feed drain 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.