



Optimal separation

The Vibro® Technology enables you to achieve higher transmissions and a superior separation. This is due to the 100% uniform Trans Membrane Pressure (TMP), securing an optimal membrane performance.

Perfect for food and pharmaceutical production

All engineering solutions are sanitary and all parts in media contact are in FDA and EC 1935/2004 compliant materials, and can be made for GMP use.

Energy consumption reduced by up to 95 %

The Vibro® Technology makes the cross flow pump redundant, thereby minimizing the energy requirements for pumping and cooling.



Vibro-I 2.5 m² / 5 m²

Weight	160 / 180 kg (full)
Dimensions (L x W x H)	665 / 905 mm x 400 mm x 650 mm
Membrane	1 / 2 x 2.5 m ² Filter element
Internal Retentate Volume	5.5 / 9.5 L, Fully Drainable
Internal Permeate Volume	0.7 / 1.4 L, Fully Drainable
Operating Pressure	0 - 4 bar(g) at 5 - 35 °C, 0 - 3 bar(g) at 5 - 55 °C and 0 - 1 bar(g) at up to 80 °C
Vibration Motor	400 VAC, 50 Hz, 480 W

Vibro-I 10 m²

Weight	174 kg (full)
Dimensions (L x W x H)	625 mm x 504 mm x 1230 mm
Membrane	4 x 2.5 m ² Filter element
Internal Retentate Volume	17.5 l, Fully Drainable
Internal Permeate Volume	2.8 l, Fully Drainable
Operating Pressure	0 - 4 bar(g) at 5 - 35 °C, 0 - 3 bar(g) at 5 - 55 °C and 0 - 1 bar(g) at up to 80 °C
Vibration Motor	400 VAC, 50 Hz, 480 W

Vibro-I 20 m²

Weight	264 kg (full)
Dimensions (L x W x H)	650 mm x 600 mm x 2420 mm
Membrane	8 x 2.5 m ² Filter element
Internal Retentate Volume	33.5 l, Fully Drainable
Internal Permeate Volume	5.6 l, Fully Drainable
Operating Pressure	0 - 4 bar(g) at 5 - 35 °C, 0 - 3 bar(g) at 5 - 55 °C and 0 - 1 bar(g) at up to 80 °C
Vibration Motor	400VAC, 50Hz, 900 W

Vibro-I 40 m²

Weight	545 kg (full)
Dimensions (L x W x H)	1000 mm x 860 mm x 1610 mm
Membrane	16 x 2.5 m ² Filter element
Internal Retentate Volume	70 l, Fully Drainable
Internal Permeate Volume	11.2 l, Fully Drainable
Operating Pressure	0 - 4 bar(g) at 5 - 35 °C, 0 - 3 bar(g) at 5 - 55 °C and 0 - 1 bar(g) at up to 80 °C
Vibration Motor	400VAC, 50Hz, 3,200 W

Vibro-I 80 m²

Weight	837 kg (full)
Dimensions (L x W x H)	1000 mm x 860 mm x 2660 mm
Membrane	32 x 2.5 m ² Filter element
Internal Retentate volume	134 l, Fully Drainable
Internal Permeate Volume	22.4 l, Fully Drainable
Operation Pressure	0 - 4 bar(g) at 5 - 35 °C, 0 - 3 bar(g) at 5 - 55 °C and 0 - 1 bar(g) at up to 80 °C
Vibration Motor	400VAC, 50Hz, 3,200 W

Vibro-I Media In/Out

Feed / Retentate Standard	1 x DN25 Tri-Clamps (top & bottom)
Feed / Retentate Options	Combinations of 1/4", 1/2" 3/4" Threads and Tri-Clamps
Permeate Standard	1/4" to 10 mm Push-In Tee Fitting
Permeate Options	1/4" to Mini Tri-Clamp
More options are available upon request	

HP1 Module Membranes

Membrane type	Cut-off	Membrane Material
UF	1 - 800 kDa	PES, PESH, PVDF, RC
MF	800 kDa - 1.2 µm	PES*, PVDF



***Note:** New membranes under implementation, released for customer test & evaluation. Contact SANI Membranes for a detailed specification / CoC