



## Easy to understand and use

Vibro-Lab3500 reduces the complexity of membrane filtration due to the patented Vibro® technology and Free Flow Plates

## Improved process development

Vibro-Lab3500 is the ideal equipment for process development and membrane screening. The transparent housing makes it possible to observe all membrane area during process and cleaning.

## Easy setup

The reduced complexity makes Vibro-Lab3500 simple to setup and connect, as the cross flow pump is redundant and cooling is not needed.

# Vibro-Lab3500

# Product Sheet



Vibro-Lab3500 Unit	
Weight	12.7 kg + damper steel base 8.4 kg
Dimensions (L x W x H)	532 mm x 180 mm x 390mm
Membrane	0.35 m <sup>2</sup> HPL element
Internal Retentate volume	700 ml, fully drainable
Internal Permeate volume	170 ml, fully drainable
Operating Pressure	0- 3 bar (temperature dependent)
Temperature Range	5 - 55°C
Power Consumption	230V, 40W excl. feed system
Noise Level	< 60 dBA

Vibro-Lab3500 Accessories and Spare Parts	
HPL membrane element with your membrane of choice	HPL membrane element delivered mounted retentate chamber with permeate outlets
Standard Feed System	Feed pump with all necessary fittings and tubing
Mix Pump System (for very high viscosity)	Mixflow Pump with all necessary fittings and tubing
Accessory Kit	Manometer on stand with all necessary fittings and tubing
O-ring / Gasket Set for the permeate outlets	Set of gaskets and O-rings for the permeate outlets
Leaf Spring Set	2 polymer leaf spring assemblies

Membrane Module (HPL) Data	
Generic Design	Free Flow Plate. Fused Polypropylene and channel housing in transparent PVC
Membrane Type	Most organic membranes (MF and UF)
Membrane Area	0.35 m <sup>2</sup>
Dimensions (L x W x H)	250 mm x 70 mm x 230 mm
Viscosity Range, Apparent	1 - 1000 cP (e.g. Cream Cheese)
Temperature Range	5 - 55°C (membrane housing dependent)
pH Range	1 - 13 (membrane dependent)

Lab3500 Module Membranes		
Membrane type	Cut-off	Membrane Material
UF	1 - 800 kDa	PES, PESH, PVDF, PAN, RC
MF	800 kDa - 1 µm	PVDF, PTFE

The unit can be equipped with your membrane of choice. SANI Membranes have a line of standard MF and UF membranes on stock. Most commercially available membranes can be used on request. Please, do not hesitate to contact us with your membrane wishes.