



Ref.No.

Date:

Technical Specifications For Lab Scale Membrane Distillation Unit

Description: Membrane distillation (MD) is a desalination technique that uses a membrane to separate water from saline solutions. It is a thermally driven separation process, meaning that it uses heat to create a vapor pressure difference across the membrane. This vapor pressure difference is what drives the transport of water vapor through the membrane.

Overall, membrane distillation is a promising desalination technology that is becoming increasingly competitive with RO. As the technology continues to develop, MD is expected to play a more significant role in providing clean water for a growing population.

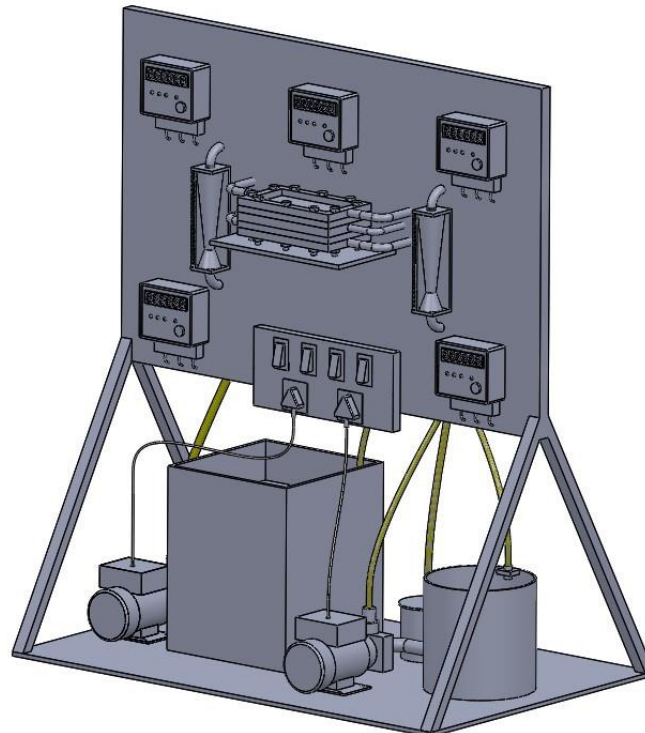
Sr. No.	Product Description	Quantity
1	Flat Sheet Membrane Distillation Module (MOC: Acrylic)	1
2	Piping (PP + Silicon 5mm)	1-Lot
3	Chiller + Compressor System	1 Unit
4	Diaphragm pump + Booster Pump	2
5	Flow Meter	1
6	Temperature digital indicator	2 Unit
7	MD Housing	1-Unit
8	SS304 Platform for MD Module	1-Unit
9	In/Out Connectors	1 Unit
10	Digital Control Panel	1-Unit
11	Permeate Collection Tank (15 L)	1-Unit
12	Feed Tank (15 L)	1-Unit
13	Air Gap Distillation Module	1-Unit
14	Vacuum MD Module	1-Unit





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Note*: Customized dimensions based setup is available



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