



Ref.No.

Date:

## Technical Specifications For Lab-scale Ceramic Membrane-based Wastewater Treatment Unit

**Description:** A lab-scale ceramic membrane-based wastewater treatment unit is a system designed to simulate and evaluate the performance of ceramic membrane filtration for wastewater treatment applications.

Benefits of using a lab-scale ceramic membrane unit:

**Evaluates performance:** It allows researchers and engineers to test the efficiency of ceramic membranes in removing pollutants from various types of wastewater.

**Optimizes process parameters:** By varying factors like pressure, flow rate, and feed characteristics, researchers can optimize the treatment process for specific wastewater streams.

**Reduces costs:** Compared to pilot or full-scale systems, lab-scale units are more economical for initial testing and process development.

**Compact and versatile:** These units are relatively small and can be easily set up in a laboratory environment for various research applications.

Overall, a lab-scale ceramic membrane-based wastewater treatment unit is a valuable tool for developing and optimizing ceramic membrane filtration processes for efficient wastewater treatment.

Sr. No.	Description	Quantity
1	Design, Engineering & Manufacturing Lab kit Set for 25 mm OD Ceramic Membranes consisting of;	1 Unit
2	Aluminium BOX. – 1 no.	1
3	Ceramic Membrane Housing, SS 304-1 no.	1
4	Ceramic Membranes (5 Membranes)	1 Unit
5	Booster PUMP Diaphragm Type.	1
6	PU Pipes & Valves.	1
7	O rings and Spare	1





# AARVI ENERGY FILTRET & ENVIRONMENTAL SOLUTIONS

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**Note\***: Customized dimensions based setup is available

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