



Pentaaqua Iceberg MBR Pack is the most compact sewage package in the market. The system is equipped with MBR made from PVDF material. The strong fiber based system operate at very high MLSS (up to 15000) thus offering the most compact package unit and offering very clear, transparent water for various usage as Toilet flushing, Boiler feed, Cooling Tower, Gardening etc.

Features:

- World Renowned Japanese MBR for excellent and reliable performance
- No Backwash Required - No Backwash Water Tank & No Pump Required
- Low Electricity Consumption
- No Need to Drain for CIP, In-situ Possible
- Easy to Store, Operate and Maintain
- Completely Packaged and Pre-Fabricated Almost No Civil Work
- Factory Acceptance Test Prior to Dispatch
- Fast Delivery - Fast Installation - Fast Commissioning
- Modular Package - Easy to shift to other location



Inlet - Outlet Parameter

Sr. No	Parameter	Unit	Inlet Design	Limiting Inlet	Outlet
1	BOD	Mg/L	250 - 300	250 - 300	<5
2	COD	Mg/L	500 - 550	500 - 600	<50
3	TSS	Mg/L	250 -300	250 -300	<5
4	Animal / Vegetables Oil	Mg/L	<30	<40	<5
5	Mineral Oil	Mg/L	<1	<1	nil
6	pH	pH	6 to 8	6 to 8	6 to 8

Specification

Plant Specification		IB - 10	IB - 25	IB - 50	IB - 75	IB - 100	IB - 150
Model Capacity	m ³ /day	10	25	50	75	100	150
	m ³ /hr	0.5	1.05	2.1	3.13	4.2	6.25
Dimension (mm)	Length	4000	6000	10000	10000	12000	12000
	Width	2000	2000	2000	2000	2000	3000
	Height	2000	2000	2000	3000	3000	3000
Ambient design temp °C		20 - 30	20 - 30	20 - 30	20 - 30	20 - 30	20 - 30
Power consumption kW/hr		3.67	5.44	7.63	11.28	13.29	14.46
Power connected		7.88	12.15	12.36	18.81	22.83	25.17
Solid sludge generation kg/day		1.48	3.7	7.4	11.1	14.8	22.1
Liquid sludge generation m ³ /day		0.16	0.4	0.7	1.1	1.5	2.2

NOTE: The above specification are indicative and subject to change as per continuous development happening for optimum performance of system & new technologies in market. Please consult Pentaqua for accurate data while selecting model.

Applications



Building Service



Hotels & Hospitality



Disaster Management



Ships & off-shore Platforms



Construction site

Optional Add - On:



Ultra - Filtration Tertiary Treatment



Ultra - Violet/Ozone Disinfection for Treated Water



Sludge Handling Filter - Press/ Centrifuge



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AMC and O&M Contracts

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PENTAQUA
Regenerating water

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