



Pentaaqua's Stream MBBR Packaged Systems are designed on Moving Bed Bio-Reactor technology to achieve Treated Sewage Water that is compliant with the latest pollution board CPCB norms imposed across the Indian Sub Continent for sewage treatment and recycling. Pentaaqua stream employs special high surface area plastic bio-film carriers which float in the bio-reactor basin giving protecting surface for bacteria growth to happen efficiently resulting in better water quality at the output and lower consumption of space and consumables.

Features:

- Completely Packaged and Pre-Fabricated
- Factory Acceptance Test Prior to Dispatch
- Minimal Civil Work Required
- Minimal Installation Time
- Fast Delivery
- Economical Advantage
- Future Proof with easy expansions
- Modular Package - Easy to shift to Other Location



Inlet - Outlet Parameters

Parameter	Unit	Inlet	Outlet
Biological Oxygen Demand (BOD)	mg/L	250 - 300	< 20
Chemical Oxygen Demand (COD)	mg/L	500 - 600	< 70
Total Suspended Solids (TSS)	mg/L	< 100	< 10
pH	pH	6.5 - 8.5	6.5 - 8.5
Oil & Grease	mg/L	<30	<10

Specifications

Plant Specification		Stream 10	Stream 25	Stream 50	Stream 75	Stream 100	Stream 150
Model Capacity	m³/day	10	25	50	75	100	150
	m³/hr	0.5	1.05	2.10	3.15	4.20	6.25
Dimension (mm)	Length	3500	4000	9500	9500	12000	12000
	Width	2000	2000	2000	2000	2000	3000
	Height	2000	2000	2000	3000	3000	3000
Ambient design temp°C		15.35	15 - 35	15 - 35	15 - 35	15 - 35	15 - 35
Power Consumption kw/hr		4.0	4.5	5.5	6.75	8.5	7.75
Power Connected		7.5	8.1	10.5	13	16.5	15
Solid Sludge Generation kg/day		2.5	6	12	18	24	30
Liquid Sludge Generation m³/day		0.5	1.25	2.5	3.5	4.5	7
Weight (kg)	Dry	2500	4,000	5,000	7,000	9,000	12,000
	Wet	12000	21,000	36,000	52,000	70,000	1,05,000

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



High - End Automation with Remote Monitoring in BMS



AMC and O&M Contracts

powered by Doshion
PENTAQUA
 Regenerating water

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