

Anodyne Water is a leading turnkey solution provider of water and wastewater treatment systems in India. With its decade old experience and expertise in the Indian industrial, buildings and the government segments, Anodyne Water creates a blend of its industry expertise and advanced engineering technologies to deliver the revolutionary VEPO System.

### Why VEPO STP

Anodyne STP ensures access to the most convenient sewage treatment systems. The ergonomic design with minimum footprint and a portable Anodyne STP maximizes convenience and ease of handling. VEPO STP offers options both on sequential Batch Reactor (SBR) and Moving Bed Bio Reactor (MBBR) based technology.



### VEPO STP has the capability to treat sewage from:

- Hotels & Hospital
- Institutions & Societies
- Retail Malls
- Automobile Industry
- Chemical Industry
- Metal Pretreatment
- Electroplating
- Textile
- Paper Mills
- Dairies
- Sugar Mill
- Leather Industries
- Petrochemical

### VEPO STP Uniqueness

- Very cost effective: Less in initial Investment
- Stringent quality checks at each stage
- Automization: Manual, Semi – automatic and Fully- automatic
- Compact and proven design: Required very Low foot print
- Components conform to international certifications including NSF, FDA, ASME and CE.
- Quality Components and Mounting items: Special sludge pump and total corrosion free UPVC piping & FP/Epoxy Lined MS tanks
- Recurring Expenses: Economical plant operating cost, required regular treatment chemicals available in the market.

### Technical Specifications

Parameters	Units	Raw Sewage	Secondary Treated Sewage	Tertiary Treated Sewage
pH	-	6.5 – 8.5	6.5 – 8.5	6.5 – 8.5
Biochemical Oxygen Demand (BOD <sub>5</sub> )	mg/l	250 – 400	<30	<10
Chemical Oxygen Demand (COD)	mg/l	400 – 700	<250	<100
Total Suspended Solids (TSS)	mg/l	200 – 450	<50	<10
Oil & Grease	mg/l	20 – 40	<10	<2
Coliforms	Nos/100ml	10 <sup>6</sup> – 10 <sup>7</sup>	<100	<100

## 💧 Technical Features

### MBBR (Mixed Bed Bio-Reactor)

Specifications	VEPO 5	VEPO 10	VEPO 25	VEPO 50	VEPO 100	VEPO 150
Capacity (KLD)	5	10	25	50	100	150
Electro Mechanical module						
Bar Screen	1 No.	1No.	1No.	1No.	1No.	1No.
Oil Skimmer	1 No.	1No.	1No.	1No.	1No.	1No.
Material and Finish	M S Epoxy	MS Epoxy	MS Epoxy	MS Epoxy	MS Epoxy	MS Epoxy
Tank Module						
Components	MBBR and Tube Settler	MBBR and Tube Settler	MBBR and Tube Settler	MBBR and Tube Settler	MBBR and Tube Settler	MBBR and Tube Settler
MBBR Tank Dimensions	1 KL	2 KL	5 KL	10 KL	20 KL	30 KL
Air Blowers	10 CFM	20 CFM	25 CFM	50 CFM	75 CFM	110 CFM
Tube Settler	0.375 KL	0.75 KL	1.875 KL	4.5 KL	7.5 KL	11.25 KL
Filtration Module						
Filter Feed Pump	0.25 m <sup>3</sup> /hr @ 35 Mtr Head	0.50 m <sup>3</sup> /hr @ 35 Mtr Head	1.25 m <sup>3</sup> /hr @ 35 Mtr Head	3.0 m <sup>3</sup> /hr @ 35 Mtr Head	5.0 m <sup>3</sup> /hr @ 35 Mtr Head	7.5 m <sup>3</sup> /hr @ 35 Mtr Head
AGF & ACF	0.25M <sup>3</sup> /Hr	0.5M <sup>3</sup> /Hr	1.25M <sup>3</sup> /Hr	3.0M <sup>3</sup> /Hr	5.0M <sup>3</sup> /Hr	7.5M <sup>3</sup> /Hr
Material	FRP	FRP	FRP	FRP	FRP	FRP
Interconnecting pipes	uPVC/PP with MPV	uPVC/PP with MPV	uPVC/PP with MPV	uPVC/PP with MPV	uPVC/PP with MPV	uPVC/PP with MPV
Hypo Dosing System	1 No.	1 No.	1 No.	1 No.	1 No.	1 No.
Sludge Handling	Sludge Bed	Sludge Bed	Sludge Bed	Sludge Bed	Sludge Bed	Sludge Bed



Environment Friendly



Minimum Footprint



Easy Maintenance



Plug and Play



Anodyne Service Advantage



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