

Resin Base DI Water Treatment Plant



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Analytical Technologies Limited

An ISO 9001 Certified Company

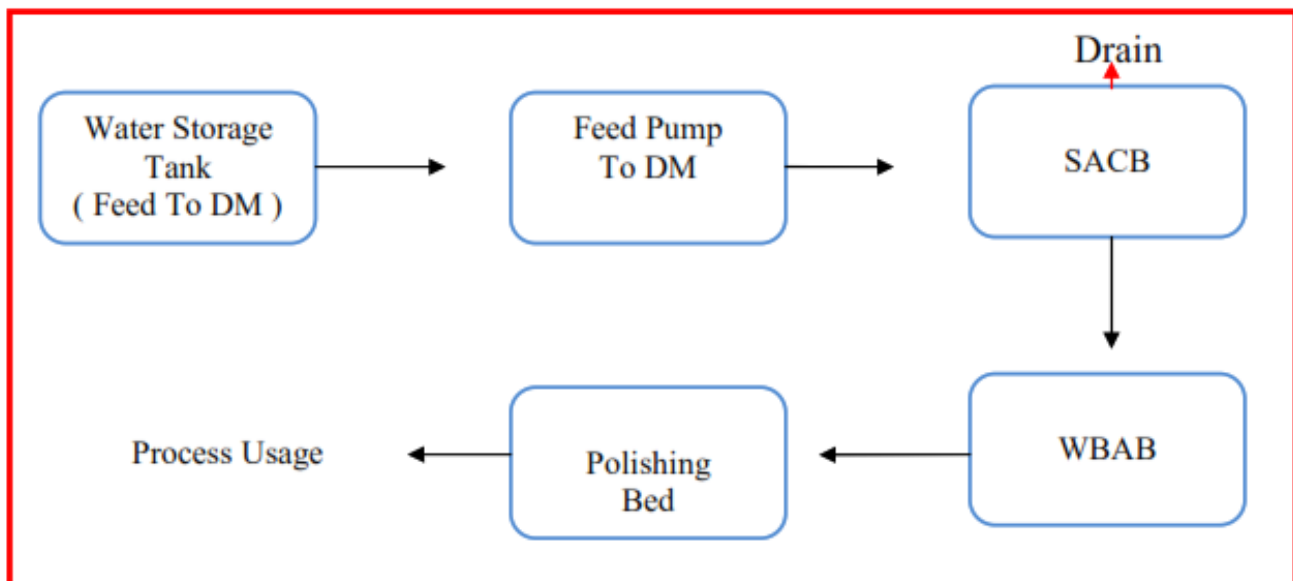
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►► DESIGN PARAMETERS

SLNO	PARAMETERS	INLET TO FILTERS
1	pH Value @ 25 Deg C	7.74
2	Total Dissolved Solids (TDS), ppm	50 ppm
3	Chlorides	- ppm
4	Calcium	- ppm
5	Total Hardness (as CaCo3)	5 ppm
6	Heavy Metals	- ppm

1. The Water analysis is no worse than that provided for design the system.
2. The plant is operated strictly in accordance with the operating instructions being furnished by us.
3. Based on water parameter this plant designed to support TDS upto 70 ppm

Process Details



►► TECHNICAL DETAILS OF DM PLANT

S NO	ITEM DESCRIPTION	SPECIFICATION
1	RAW WATER FEED PUMP	
	Type of Pump	Horizontal Centrifugal Pump
	Capacity	0.3 M ³ / Hr @ 15 Mtr head
	Material of Construction	SS 304
	Accessories	Base Plate, Coupling, Valves, etc.,
	Quantity	1 No (W)
2	STRONG ACID CATION BED	
	Size of Vessel	12" * 48"
	Material of Construction	FRP
	Flow rate	200 LPH
	Pressure of Operation	1.5 Kg/cm ²
	Media	Cation,
	Interconnecting Pipings	uPVC Pipe Lines
	Valves	Multiport Valve
	Regeneration Chemical	HCL, 3 K Once
	Regeneration Tank	100 Ltrs / LDPE
	Qty	1 No
3	WEAK ANION BASE BED	
	Size of Vessel	12" * 48"
	Material of Construction	FRP
	Flow rate	200 LPH
	Pressure of Operation	1.5 Kg/cm ²
	Media	Anion,
	Interconnecting Pipings	uPVC Pipe Lines
	Valves	Multiport Valve
	Regeneration Chemical	NaOH, 3 K Once
	Regeneration Tank	100 Ltrs / LDPE
	Qty	1 No

4	POLISHING BED	
	Size of Vessel	10" * 54"
	Material of Construction	FRP
	Flow rate	200 LPH
	Pressure of Operation	1.5 Kg/cm ²
	Media	Anion,
	Interconnecting Pipings	uPVC Pipe Lines
	Valves	Ball Valve
	Regeneration Chemical	HCL, NaOH, 3 K Once
	Regeneration Tank	100 Ltrs / LDPE
	Qty	1 No
5	AUTOMATIC CONTROL PANEL	
	Features Of Panel * Online Monitoring * Pump ON / OFF * On Line Conductivity * On Line pH Meter * False Alarm * Auto Shutdown	
6	INTERCONNECTING PIPINGS & FITTING S	
	uPVC Pipe lines	3/4"
7	INSTRUMENTATION	
	300 LPH flow Meter - 1 No	1 Lot
	Pressure Gauge S.S , Glycerin Filled	
	Low Pressure Switch	
	High Pressure Switch	
	Conductivity Meter Panel Attached	
	Regeneration Pump	

►► BATTERY LIMITS

- Pipe lines for RWP to DM Product Out.
- From Re generation line to nearest drain.
- Out side off the plant work not covered.

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Reach us @



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