

DM PLANT

Standard Portable Demineralisers

- Our standard portable demineralisers are
- up flow counter current based on ion exchange process
- down flow co-current based on ion exchange process

Sarjan Standard Portable Demineralisers are up flow two-bed type. Compact and simple to operate with conductivity meter to monitor quality of treated water continuously when in operation.



Important

- 1) Quality of treated water depends on Raw Water quality.
- 2) Raw water should be clean, cold, colorless and free from organic matters and oil.
- 3) The treated water is not Pyrogen free but it confirms to IS 1069/64.
- 4) Capacity per Regeneration depends on ionic load present in raw water.

Technical Specification

	Model	DM-100	DM-200	DM-600	DM-1000
Flow Rate Lts/Hr.	Max	100	200	600	1000
	Min	10	20	600	100
Quantity of Resins in Lts.	Cation	10	20	30	50
	Anion	10	20	30	50
Working Pressure Kg./Cm ²	Max	2.0	2.0	2.0	2.5
	Min	0.5	0.5	0.5	1.0
Chemical Required/Regeneration	HCL (30% Commercial) Lts	2.5	6.0	10.0	16.0
	NaOH(98%) Commercial kgs	0.5	1.2	2.2	4.0
Quality of treated water	Electrical Conductivity Micromoh/cm	10	10	10	10
	Total Dissolved solids in PPM	5	5	5	5
	pH	7.5-8.5	7.5-8.5	7.5-8.5	7.5-8.5
	Output/Regeneration in Lts. (Based on Ionic Load of 200 PPM)	1700	3400	5200	9500

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Sarjan Standard Up flow Demineralisers are up flow two-bed type.

Compact and simple to operate with conductivity meter to monitor quality of treated water continuously when in operation.

Important

- 1) Quality of treated water depends on Raw Water quality.
- 2) Raw water should be clean, cold, colorless and free from organic matters and oil.
- 3) The treated water is not Pyrogen free but it conforms to IS 1069/64.
- 4) Capacity per Regeneration depends on ionic load present in raw water.

Advantages

- Easy to install and operate with low cost maintenance.
- High capacity bead type Cation and Anion Resins are used which is remarkably stable and has a long life
- Consistent treated water quality with lower cost of regenerates.
- Longer operating cycles.
- SARJAN Standard Demineralisers are based on ion Exchange process up flow type manually operated, ready to install, in order to get highest efficiency. Our Demineralisers are designed on new proven technical counter current regeneration system. This means that water flow through the unit is counter current to the regeneration chemical solution.
- SARJAN Demineralisers are useful for Pharmaceuticals, Chemical, Electroplating, Induction furnace and Industries which needed low TDS water for their requirement.

Technical Specification

	Model	DM-1000	DM-2000	DM-3000	DM-5000
Flow Rate Lts/Hr.	Max	1000	2000	3000	5000
	Min	100	200	300	500
Quantity of Resins in Lts.	Cation	50	100	140	240
	Anion	60	110	160	260
Working Pressure Kg./Cm ²	Max	3.5	3.5	3.5	3.5
	Min	1.5	1.5	1.5	1.5
Chemical Required/Regeneration	HCL (30% Commercial) Lts	15	30	42	72
	NaOH (98%) Commercial kgs	4.2	7.7	11.2	18.2
Quality of treated water	Electrical conductivity micromoh/cm	10	10	10	10
	Total Dissolved solids in PPM	5	5	5	5
	pH	7.5-8.5	7.5-8.5	7.5-8.5	7.5-8.5
Output/Regeneration in Lts. (Based on Ionic Load of 200 PPM)		4800	8800	12800	21000