

# Standard Portable Deionisers

## Standard Portable Deionisers :

Standard portable deionisers are Upflow two-bed type compact and simple to operate with conductivity meter to monitor quality of treated water continuously when in operation.

## Demineralisers :

Demineralisers can be connected directly to the Raw water and can used for continuous supply or instant requirement of demineralised water.

## Scope of Supply:

FRP cylinders filled with high capacity ion exchange resins, mounted on M.S. frame proteded with Epoxy paint, plastic control valve and conductivity meter on front operation panel, PVC flexible interconnecting tubing, conductivity cell and two nos. plastic buckets for regeneration.

## Important :

Quality of treated water depends on raw water quality.

Raw water should be clean, colour less and free from organic matters and oils.

Treated water is not pyrogen free but it contains to IS 1069/64.

Capacity per regeneration depends on ionic load present in raw water.

## Application :

Demineralised water is suitable for distilled water.

Beverages, Fertilizer, Pharmaceuticals, Battery Water, Chemical Industries, Induction Furnace, Steel Plant, Food Processing, Electro Plating, Electronics, Hospital, Laboratories, Schools, Collages.

## Technical Specifications :

Model No.		DM-10	DM-20	DM-30	DM-50	DM-65
Material of consctruction		FRP	FRP	FRP	FRP	FRP
Flow rate LPH	Max	100	200	600	1000	1500
	Min	10	20	60	100	150
Working Pressure Kg/CM2	Max	2.5	2.5	2.5	2.5	2.5
	Min	0.5	1.5	2.0	2.0	2.0
Qty. of Ion exchange resin Lits.		10	20	30	50	65
Output regeneration in Lits. (Base on 1000 PPM TDS in Raw Water)		200	600	1000	1750	2200

## Regenerats :

Commercial grade HCL	Kg	2.5	6.0	10	16	20
Caustic flakes (NaOH)	Kg	0.5	1.2	2.2	4.0	5.0

## Treated Water Quality :

Electrical conductivity micromhos/Cm	< 30	< 30	< 30	< 30	< 30
Total dissolved solids in PPM	5	5	5	5	5
PH	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5



## RAINDROPS WATER TECHNOLOGIES

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