

Customers

SYMBIOTEC PHARMA LTD.

(TAPDS 500 – 3 NOS, TAPDS 1000 – 2 NOS, TAPDS 2000 – 1 NO.)

DALMIA POLY (TAPDS 500)

SRI RENG POLYMERS (TAPDS 500)

EMERALD JEWELLERY (TAPDS 500)

Automatic Poly Dosing System



BEYOND CONVENTIONAL

Transcend Cleantec Pvt. Ltd.

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POLYMER DOSING SYSTEM	DS CAPACITY (Kgds/h)	POLYMER PUMP - FLOW & HEAD
AUTO POLYMER DOSING		
TAPDS-250	1-3	Q=20L/h P=1.0MPa
TAPDS-500	5-7	Q=30L/h P=1.0MPa
TAPDS-500	10-14	Q=50L/h P=1.0MPa
TAPDS-500	20-28	Q=100L/h P=1.0MPa
TAPDS-500	15-20	Q=90L/h P=1.0MPa
TAPDS-500	30-40	Q=150L/h P=1.0MPa
TAPDS-500	45-60	Q=270L/h P=1.0MPa
TAPDS-500	50-70	Q=300L/h P=1.0MPa
TAPDS-1000	100-140	Q=600L/h P=1.0MPa
TAPDS-1000	150-210	Q=900L/h P=1.0MPa
TAPDS-1500	200-280	Q=1200L/h P=1.0MPa
TAPDS-500	100-120	Q=600L/h P=1.0MPa
TAPDS-1000	200-240	Q=1200L/h P=1.0MPa
TAPDS-2000	300-360	Q=1.8m3/h P=1.0MPa
TAPDS-3000	400-480	Q=2.7m3/h P=1.0MPa
TAPDS-1000	130-160	Q=900L/h P=1.0MPa
TAPDS-2000	260-320	Q=1.8m3/h P=1.0MPa
TAPDS-3000	390-480	Q=2.7m3/h P=1.0MPa
TAPDS-4000	520-640	Q=3.6m3/h P=1.0MPa
TAPDS-2000	260-320	Q=1.7m3/h P=1.0MPa
TAPDS-3000	390-480	Q=3.4m3/h P=1.0MPa
TAPDS-5000	390-480	Q=5m3/h P=1.0MPa
TAPDS-7000	520-640	Q=7m3/h P=1.0MPa

Features

- Completely automatic operation
- Completely in SS304 construction along with panel
- Three compartments, one for dilution, one for ageing and one for storage
- Perfect polyelectrolyte dilution
- Presence of alarm signals for operation in absolutely safe condition
- Heat element avoids chocking of the mixing chamber
- VFD based adjustments to get homogenius and continuous solution with optimum chemical consumption
- Models from smallest size of 250 litres to 7000 litres
- Can adopt to screw dosing pump, diaphragm dosing pump, piston dosing pumps
- Manless operations so error-less operation

Automatic Poly Preparation and Dosing System

The automatic polyelectrolyte preparation and dosing system consists of a rectangular tank divided into three compartments.

First compartment, for dilution, is complete with polyelectrolyte loading hopper, micro-screw dispenser and relevant variable speed drive, fast mixer for the polyelectrolyte mixing, inflow system for the dilution water and solenoid valve, flow meter and pressure relief; The mixing chamber with the a vigorous flow of water starts the initial mixing.

Second compartment, for the polyelectrolyte mixture maturation & homogenization, is equipped with slow mixer and bottom suction and drain system.

The third compartment, for maturation and storage, is used for the mixture storing and is provided with slow mixer and suction and delivery system for the polyelectrolyte solution.

Every mixers has two impellers fitted on its shaft, each one with four sloping blades. The polyelectrolyte preparation happens automatically: in fact, once the concentration (from 0.05% to 0.5% by weight) has been established, the dosing of dilution water and polyelectrolyte starts automatically. The solution at the TADPS outlet can be further diluted in the network, if required.

The preparation unit is provided with alarms activated by the failure of the dosing screw or shortage of dilution water, insufficient level of polyelectrolyte in the hopper, faulty operation of the stirrer. The powder dispenser is equipment with a screw with a heater arrangement to remove moisture if any. The standard construction is in stainless steel.