

TOSHCON
SKID MOUNTED CHEMICAL DOSING SYSTEM
MODEL: TJ-D – 8 / 12 / 20 / 40 / 100



The above system consists of:

1.) Electromagnetic reciprocating type positive displacement Dosing Pump having various Models TJ-MD 8 / 12 / 20 / 40 / 100

Capacity of Dosing Pump is as per the selected model (refer to table), Complete with Suction valve, Discharge valve, Injection fitting, Foot valve, Low Level to avoid dry running of the pump and 3 Mtrs. hose.

Optional: The pump can also accept 4-20 mA Input for proportional dosing based on input from Online Residual Chlorine Analysers / Electronic Flow Meter etc. (The online Residual Chlorine Analysers can also be ordered on us. Prices on request).

2.) Preparation Tank

Net tank capacity 150 Litres and Chemical Volume 120 Litres made of FRP consisting of – Water inlet socket with ball valve, outlet socket with Y shape strainer, ball valve and connecting pipes between preparation tank and service tank. Also provided with

Drain

Over flow

Conical bottom for sludge deposition

Opening with Lid for adding granules

Level Gauge

Agitator 180 W, 960 RPM, Single phase flange mounted motor with plastic shaft and impeller

Top Lid.

TOSHCON JESCO (INDIA) PVT. LTD.,

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3.) Service Tank

Net tank capacity 115 Litres and Chemical Volume 100 Litres made of FRP consisting of –
Chemical inlet line socket connected to preparation tank, also provided with

Drain

Level Gauge

Agitator 180 W, 960 RPM, Single phase flange mounted motor with plastic shaft and impeller

The selected capacity Dosing pump is mounted on the Lid of this Tank

Top Lid

4.) Control Panel

Control Panel made up of MS duly powder coated – Consisting of following controls

Mains On/Off Rotary Switch with Power indication

Low Level indication with audio alarm, Acknowledgment Push Button

On/Off Push Button of agitator of preparation tank with indication

On/Off Push Button of agitator of service tank with indication

On/Off Push Button of dosing pump with indication

The Audio Alarm sounds in cyclic order (20 seconds on, 10 seconds off) till the Acknowledgment push button is operated. However the indication of Low level will still be on till situation of low level is over. In case of Low level the agitator of service tank and Dosing pump will put off automatically.

5.) **MS Skid** duly painted to accommodate both the tanks and control panel

Selection Table for**VARIOUS MODELS OF DOSING PUMP**

| Model | TJ - MD | 8 | 12 | 20 | 40 | 100 |
|------------------------|---------------------|---------------|-----------|------------------------------|-----------|------------|
| Maximum Pressure (Bar) | | 10 | 4 | 10 | 4 | 1.5 |
| Litre / Hr. | At max. Pressure | 6 | 12 | 15.5 | 46 | 90 |
| Stroke/min | | 100 | 100 | 70 | 70 | 70 |
| ml / Stroke | | 1 | 2 | 4.3 | 12.8 | 25 |
| Power (W) | | 30 | 30 | 70 | 70 | 70 |
| Approx. weight (kg) | | 5 | 5 | 10 | 14 | 14 |
| MOC of wetted pumps | | Standard : PP | | Optional : PVC / SS / TEFLON | | |

Please call us for more details on Chemical Dosing System and our other products viz. Gas Chlorinators, Chlorination System, Safety equipments etc. at:

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