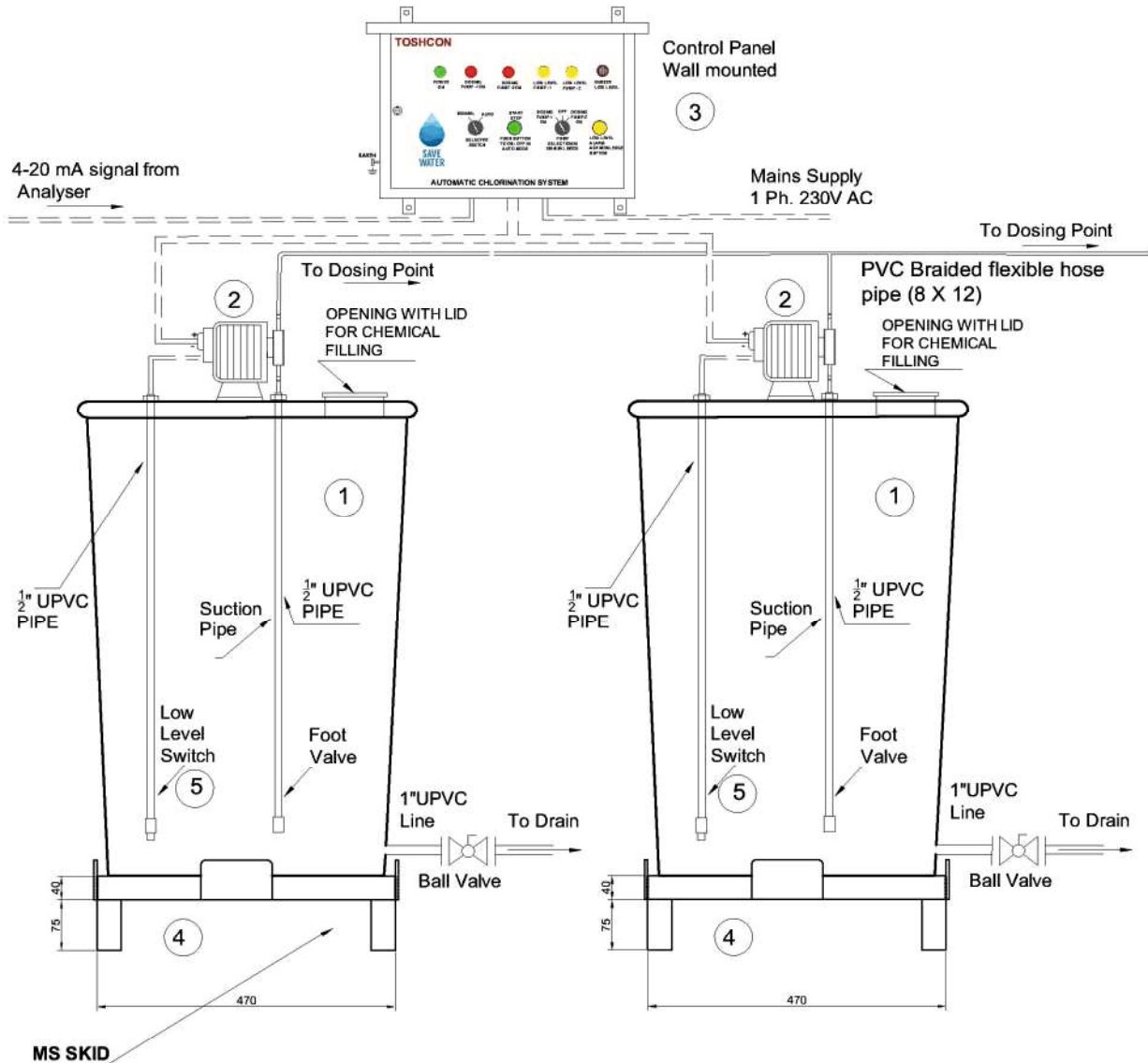


CHEMICAL DOSING SYSTEM (SODIUM HYPO CHLORITE)



- Specially designed to dose Sodium Hypo Chlorite in rising mains for Borewell water systems
- Dosing Pump to dose precise quantity of Chemical
- 100 Liters, LLDPE Chemical tanks
- Dosing pump can accept (controlled) 4-20 mAmps signal for Proportional Dosing
- Control panel for Automation with PLC/SCADA
- Already approved and supplying in JJM Projects (SWSM) in U.P.

The Chlorine Dosing System is designed to dose Sodium Hypo Chlorite solution in rising mains during the working of Borewell pump.

Basically, it comprises of two 100 lits Linear Low Density Polyethylene (LLDPE) Chemical tanks with drain valve and opening in the Lid for Chemical filling, two no. MS Skids, two nos. Dosing pumps of 6 LPH capacity at 10 Bar back pressure and one control panel.

TOSHCON JESCO (INDIA) PVT. LTD.,

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The dosing pumps can operate in two modes i.e., Manual Mode and Auto Mode. The dosing rate can be adjusted from 0-100% in manual mode with the help of adjusting stroke length and stroke frequency of the pump. Similarly, the pump can accept 4-20 mA signal from Residual Chlorine Analyser or ORP for proportional dosing. The pump is fitted with low level switch and the pump shall stop working in case of low level to avoid dry running of pumps.

A control panel is also provided to operate the pumps and it comprises of Mains on MCB (Inside the Panel) with indicating lamp, Selector switch to select Manual / Auto mode, indicating lamps for Dosing pump 1 ON and Dosing pump 2 ON, Low level indicator with Audio Visual alarm and Acknowledge button to stop audio of hooter is also provided, The Indicating lamp continues to glow till the tank is refilled with the chemical. This is to avoid dry running of the pumps and alert to the operator about the re-filling of the tank with chemicals. In Auto mode in case of Low level in first tank the pump will put OFF and automatically there will be Switch Over to second tank and the pump of second tank shall start working automatically.

In Manual mode the pumps can be selected individually to put ON or OFF. In Auto mode the pumps can be started by giving command from the customer's PLC. In case the signals from the PLC are not available or the pumps are to be locally started in that case we have to press the push button to start the system in Auto mode.

We shall provide following status and commands on Customer's PLC through RS-485 communication port:

A. STATUS

1. Selection Mode Auto / Manual
2. Dosing Pump 1 ON Indication
3. Dosing Pump 2 ON Indication
4. Low Level in Tank 1 Indication
5. Low Level in Tank 2 Indication

B. COMMAND FROM CUSTOMER'S PLC

1. To Put ON or OFF Dosing Pump No.1
2. To Put ON or OFF Dosing Pump No.2



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:

Mobile: +91-9351497757

Email: metering@toshcon.com

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