

INDION® Chemical Dosing Systems

INDION Chemical Dosing Systems are designed to meet the requirements for accurate dosing of chemicals for water and waste water treatment.

INDION Chemical Dosing System consists of a solution preparation cum dosing tank and a state-of-the-art diaphragm type electronic metering pump mounted on top of the tank.

The metering pump is of solenoid driven diaphragm type. Diaphragm is made of high quality fabric reinforced EPDM. The body is made up of PVC or polypropylene and is suitable for most water and waste water treatment applications. Other materials such acrylic, Teflon and AISI – 316 can be provided on request.

The solution tank is provided with a lid and a high speed mixer (optional) and a liquid level indicator.

INDION Chemical Dosing Systems can be connected to a range of INDION instruments, such as pH controllers, Redox potential controllers, chlorine analyzers or flow meters, which makes the system automatic.

Features

- Backlit LED display
- User-friendly knob linked with digital display for adjusting dosing frequency. This includes a facility to lock the dosing percentage with a password.
- The pump can be programmed to provide continuous or intermittent dosing
- Level switch interlock to shut off pump at low level.

Applications

- Water and Waste Water Treatment requiring accurate dosing of chemicals such as coagulants, flocculants, antiscalants and corrosive liquids such as acid and alkalis.



Specifications

- One diaphragm type electronic metering pump
- One plastic chemical solution tank fitted with a lid, drain, level indicator and high speed mixer (optional)
- One foot valve with strainer fitted on pump suction assembly
- One length tubing for pump suction and discharge

Selection of Dosing System

To select the appropriate dosing system for a specific application clearly indicate:

- Chemical to be dosed
- Capacity in l/h
- Maximum back pressure in the system

Technical Specifications

Model	Strokes per min	Pressure (kg/cm ²)	Flow (LPH)
CDS-1	55	4.0	1
CDS-2	200	4.0	4
CDS-3	350	4.0	6
CDS-4	95-110	4.0	11
CDS-5	95-110	4.0	17
CDS-6	95-110	4.0	35

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional / branch offices for current product specifications.

INDION is the registered trademark of Ion Exchange (India) Limited.

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