

INDION[®]

Chemical Dosing Systems

INDION chemical dosing systems are designed to economically meet the need for accurate and precise chemical dosages for water and waste water treatment and reverse osmosis systems.

INDION chemical dosing systems are state-of-the-art electronic metering pumps which are mounted on a plastic chemical solution tank.

The electronic metering pumps are solenoid driven diaphragm type. The diaphragm is made of high quality fabric reinforced EPDM. The body is made up of PVC or polypropylene, suitable for most water and waste water treatment applications. Other materials such as acrylic, Teflon and AISI - 316 can be provided depending on the liquid to be dosed.

The INDION dosing system consists of a solution tank, pump and accessories, which may include a reverse switch, suction strainer, high speed mixer and an additional pump.

INDION chemical dosing systems can be connected to a range of INDION instruments, such as pH controllers, Redox potential controllers, chlorine analysers or flow meters, which will make the system automatic.

Applications

These include :

- Inorganic coagulants such as alum and ferric chloride.
- Organic flocculants of various grades.
- Corrosive liquids such as acids and alkalis.
- Antiscalant such as SHMP and Flocon 100.



Selection of Dosing System

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

- (a) Chemical to be dosed.
- (b) Capacity in l/h.
- (c) Maximum back pressure in the system.

Specifications

- One electronic diaphragm type metering pump.
- One plastic chemical solution tank with lid.
- One foot valve with strainer fitter on pump suction assembly.
- One tank level switch fitted on pump suction assembly.

Note : A level switch stops the pump when liquid in the tank falls below a certain level and lights a red L.E.D. on the pump.

Technical Specifications

Model	Chemical Tank Volume	Max. Frequency	Discharge Capacity				Suction Discharge Tubing	Nominal Power
	Litres	Strokes Per min.	At Max. Back Pressure		At Nominal Back Pressure		O. D. x I. D. mm mm	Watts
			L/H	@ Bar	L/H	@ Bar		
CDS-1	100	100	1.08	12.0	1.38	6.0	6 X 4	11
CDS-2	100	100	2.88	8.0	3.12	4.0	6 X 4	12
CDS-3	250	100	6.30	3.5	6.40	2.0	8 X 5	12
CDS-4	250	120	11.93	6.0	13.25	3.0	8 X 5	55
CDS-5	250	120	16.71	4.0	18.36	2.0	12 X 9	55
CDS-6	250	110	26.40	4.0	31.20	2.0	12 X 9	120

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 offices for current product specifications.

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