



PREMIUM QUALITY INDUSTRIAL DOSING PUMP



SPECIAL FEATURES

- ▶ **ZERO** LEAKAGE DESIGN.
- ▶ **AUX OUTPUT** RLY FOR FURTHER AUTOMATION.
- ▶ **LED DISPLAY**, INTUITIVE AND CONVENIENT TO USE.
- ▶ **GLASS BALL** DOUBLE BALL **NRV'S** ENSURE LONG LIFE.
- ▶ INBUILT AUTO **REST FUSE & AIR RELEASE VALVE (ARV)**.
- ▶ PUMPS TESTED AT PRESSURE OF **9 BARS** BACK PRESSURE.
- ▶ **WETTED PARTS** SUITABLE FOR MOST AGGRESSIVE CHEMICALS.
- ▶ **HIGH** STRENGTH AND **CORROSION RESISTANCE** MATERIAL USED.
- ▶ **WORLD CLASS** NEXT GENERATION **CE & ROHS CERTIFIED** DOSING PUMP.
- ▶ EPOXY COATED MICROPROCESSOR BASED **PCB 5 TIMES** MORE RELIABLE.
- ▶ **LOW LEVEL TRIPPING & DRY RUN** PROTECTION FACILITY IN **IDP+ SERIES**.
- ▶ **PTFE FLEXIBLE DIAPHRAGM AND VALVE** SEAT ENSURES LONG LIFE UNDER **MOST DEMANDING APPLICATION**.
- ▶ **WIDE OPERATING** VOLTAGE RANGE (**180-280V**) AUTO VOLTAGE COMPENSATION TO ENSURE **DOSING CONSISTENCY**.

TECHNICAL SPECIFICATION

MODEL SERIES	SDP		SDP ⁺	
OPERATING TYPE	Analog (Knob) Operated		High Accurate Digital Display, Low Level Sensor Dry Run Protection Aux Output For Further Automation.	
MECHANICAL	Dosing Capacity Max. Operating Pressure Max. Stoke Per Min.		0.2-21 LPH 7 Bar 400	
ELECTRICAL	Voltage Length Of Main Cable Max. Power Consumption Electric Safety Class Pollution Degree Ingress Protection		V 230 (+/- 35%) 50 HZ M 2 W 30 - 2 - 3 IP 65	
SOUND	Max. Sound Pressure Level		dB <60	
MOC NETEL PARTS	Plunger Copper Insulation Class		SS 304 Class-H	
MOC WATTED PARTS	SDP	Head, injection & Foot valve : PP GF/N GF Tube : 6/4mm LDPE Seal : NBR Diaphragm : PTFE	SDP ⁺	Head, injection & Foot valve : PP GF/N GF Tube : 6/4mm LDPE Seal : NBR Diaphragm : PTFE
	HA SDP	Head, injection & Foot valve : PVDF Tube : 6/4mm PVDF Seal : VITON Diaphragm : PVDF	HA SDP ⁺	Head, injection & Foot valve : PVDF Tube : 6/4mm PVDF Seal : VITON Diaphragm : PVDF
SOLUTION COMPATIBILITY	SDP	To Dose Low And Average Concentrated Ph Solution.	SDP ⁺	To Dose Low And Average Concentrated Ph Solution.
	HA SDP	To Dose Highly Acidic Or Basic Concentrated Ph Solution.	HA SDP ⁺	To Dose Highly Acidic Or Basic Concentrated Ph Solution.

PERFORMANCE CHART

SDP SERIES MODEL		CHEMICAL DOSING PUMP			
		SDP 1.5 HA SDP 1.5 SDP 1.5 + HA SDP 1.5 +	SDP 3 HA SDP 3 SDP 3+ HA SDP 3+	SDP 6 HA SDP 6 SDP 6+ HA SDP 6+	SDP 10 HA SDP 10 SDP 10+ HA SDP 10+

PRESSURE ΔP (BAR)	0 BAR	FLOW RATE (LPH)*			
		4.9 LPH	12.2 LPH	21 LPH	27.2 LPH
	1 BAR	2.0 LPH	4.9 LPH	12.5 LPH	16.3 LPH
	2 BAR	1.9 LPH	4.4 LPH	9.6 LPH	13.4 LPH
	3 BAR	1.7 LPH	3.8 LPH	8.5 LPH	11.7 LPH
	4 BAR	1.6 LPH	3.4 LPH	7.4 LPH	10.8 LPH
	5 BAR	1.2 LPH	2.8 LPH	6.9 LPH	9.3 LPH
	6 BAR	0.8 LPH	1.7 LPH	6.1 LPH	7.8 LPH
	7 BAR	0.3 LPH	0.9 LPH	4.7 LPH	6.1 LPH

STOKE PER MIN	60 SPM	130 SPM	240 SPM	375 SPM
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APPLICATION

- ▶ Chemical industries
 ▶ Medical
 ▶ Laboratory and Analysis
 ▶ Swimming Pools
- ▶ Water Treatment
 ▶ Drinking Water
 ▶ Disinfection
 ▶ Reverse Osmosis



MINARAL WATER
PLANTS



BEVERAGE
INDUSTRY



LIQUID WASTE
MANAGEMENT



PHARMA &
CHEMICAL



PULP & PAPER
INDUSTRY



SWIMMING
POOL

ACCESSORIES



Suction Filter
(Foot valve)



Injection
check valve

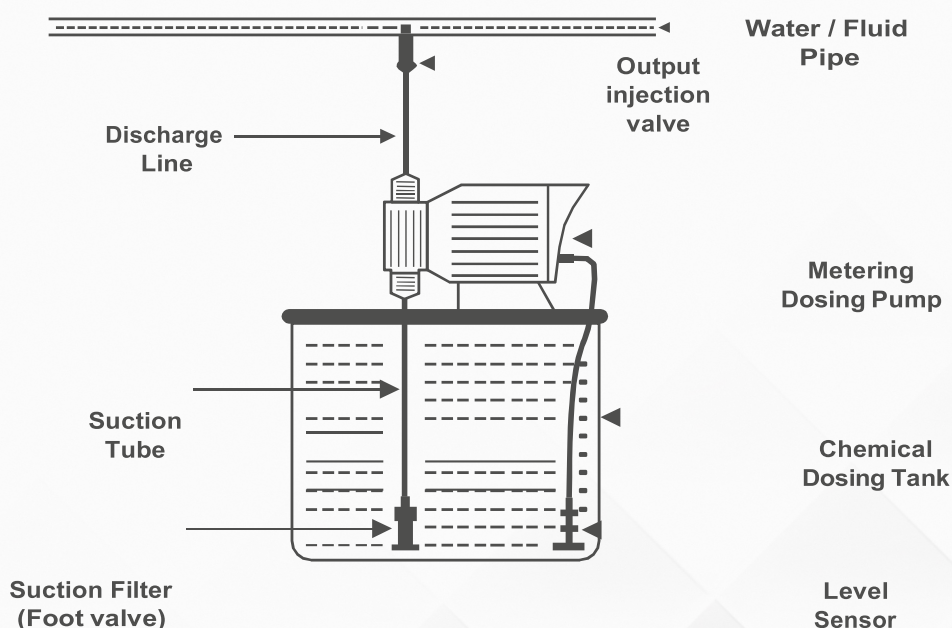


Level
Sensor

SCOPE OF SUPPLY

- ▶ **Chemical Metering Pump**
- ▶ **3 Meter Suction** Discharge tubing
- ▶ **Suction Filter** cum Foot Valve
- ▶ **Injection Valve**
- ▶ **O & M Manual**

INSTALLATION DIAGRAM



- ▶ Mount the pump on a tank and any other flat surface and fix using the nut bolts provided.
- ▶ Cut the Suction tubing provided to the desired length (**Max. 1.5m**) and ensure that the Suction filter remains Vertical and always immersed in solution.
- ▶ Use the remainder of the tubing to connect to the discharge side of the pump at one end, connect other end of the tube to the injection valve Supplied.
- ▶ Connect the Injection Valve to the Pipe in to which dosing is to be done.
- ▶ Connect the power cable of pump to a **230V A.C.** electrical supply.
- ▶ Before starting the pump ensure that the suction filter is fully immersed in solution. Then set the frequency knob to **100%** and switch on the Pump with **ON/OFF** switch.
- ▶ When starting for the first time, open the air release valve to release air from the system and close it once solution starts flowing out steadily.
- ▶ Then set frequency to the required percentage depending on the desired dosing rate.