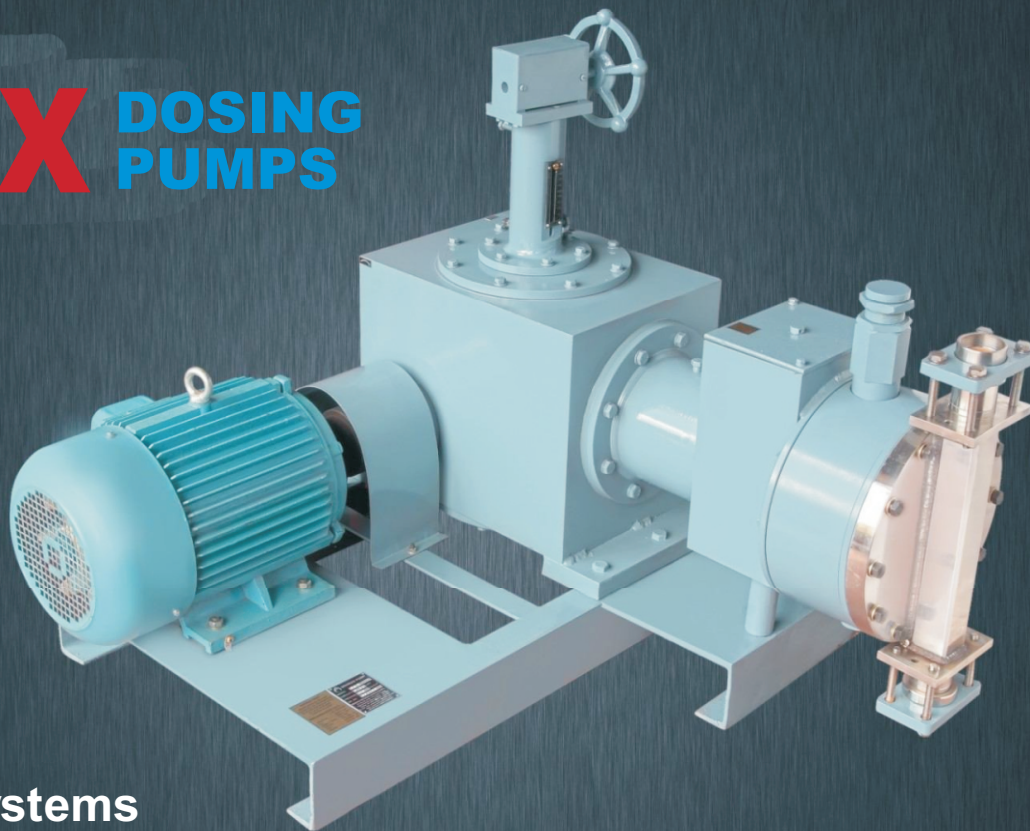


*Quality Brings Together*



ISO 9001:2008

# **MINI MAX** DOSING PUMPS



Manufacturers of  
**Dosing Pump & Dosing Systems**



## Manufacturer of Dosing Pump & Dosing Systems

### :: Our Range of Products ::

$\frac{3}{4}$  PLUNGER TYPE PUMPS

$\frac{3}{4}$  HIGH PRESSURE TYPE TRIPLEX PLUNGER PUMPS

$\frac{3}{4}$  HYDRAULICALLY ACTUATED DIAPHRAGM TYPE PUMPS

$\frac{3}{4}$  MECHANICALLY ACTUATED DIAPHRAGM TYPE PUMPS

$\frac{3}{4}$  COMPLETE SKID MOUNTED DOSING SYSTEMS

## INTRODUCTION

Since our inception in 1996, Minimax, has made an indelible mark as manufacturers and exporters of vast array of industrial pumps. Known for their high efficiency, durability and utility, they are used in meeting the needs of diverse industrial applications. The comprehensive spectrum of our products comprises of plunger pumps, Hydraulically actuated diaphragm pump, mechanically actuated diaphragm pump, solenoid actuated diaphragm pump & Skid mounted dosing system & High pressure triplex pump.

We leverage the unsurpassed quality of our products on our world class infrastructure that includes advanced technology and a qualified manpower. The amalgamation of these two has resulted in increasing our production capacity to meet the ever growing demands of the customers. Further these efforts have helped us to achieve an annual turnover to 7cr. and extend our skills in the manufacturing of customized products as per the specific demands of our client's.



## PRODUCT PROFILE

The vast expanse of our industrial metering pumps are made from suitable material like SS, PB, PP, PVDF, brass, PTFE, which is procured from certified vendors. It enables us to manufacture quality products, as the quality of the finished product largely depends on the raw material. The wide range of products, we manufacture include plunger pumps, Hydraulically actuated diaphragm pump, mechanically actuated diaphragm pump, solenoid actuated diaphragm pump, Skid mounted dosing systems & High pressure triplex pumps

All our products are manufactured as per design API 675 standards and go through stringent quality measures before they are delivered to our customers, ensuring that our clients get flawless range of pump products.



## PUMP PERFORMANCE CHART FOR PLUNGER TYPE PUMPS

PUMP SEED : 100 SPM					M O D E L	PUMP SEED : 200SPM				
Motor Kw	% Of Max .Pr.	Sue. Del. mmNB BSP	Cap LPH	Pl. Dia. mm		Max. PR. Kg/Cm2	Cap. LPH	Sue. Del. mmNB	% of Max PR.	Motor Kw.
0.37	ALL	8	1.5	6	M	80	2.8	8	ALL	0.37
		8	2.8	8	M	80	5.0	8		
		8	4.2	10	I	80	7.8	8		
		8	6.1	12		80	11.3	8		
		15	11.0	16		80	20.0	15		
		15	17.0	20		60	31.0	15		
		15	24.0	24		42	45.0	15		
		15	48.0	32		24	80.0	15		
		15	68.0	40		15	125.0	15		
		15	82.0	44		12	152.0	15		
0.37	ALL	15	31	20	M	99	68	15	100 50	0.75 0.37
		15	49	24	M II	69	98	15		
		15	87	32		38	174	15		
		15	136	40		25	271	25		
		25	164	44		20	328	25		
		25	195	48		17	391	25		
		25	247	54		13	495	25		
		25	326	62		10	652	40		
		25	358	65		09	716	40		
		25	381	67		08	761	40		
		15	59	20	M M III	200	119	15	100 70 40 25	3.7 2.2 1.1 0.75
		15	86	24		155	171	15		
		25	152	32		87	304	25		
		25	238	40		56	475	25		
		25	342	48		39	684	40		
		25	433	54		31	866	40		
		25	571	62		23	1142	40		
		40	627	65		21	1255	40		
		40	770	72		17	1540	40		
		40	1023	83		13	2046	40		
		40	1203	90		11	2406	40		
		40	1484	100		09	2968	40		

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3.7 3.7 2.2 1.1	100 80 50 50	15	102	20	M M  I V	200	204	15	100  80 50 30	7.5 5.5 3.7 2.2
		25	147	24		200	293	25		
		25	361	32		155	521	25		
		25	407	40		100	815	25		
		25	587	48		69	1173	40		
		40	742	54		55	1485	40		
		40	979	62		41	1957	40		
		40	1074	65		37	2151	40		
		40	1320	72		30	2639	40		
		40	1753	83		23	3506	80X50		
		40	2061	90		19	4122	80X50		
		80X50	2545	100		15	5089	80X80		
		80X50	3080	110		12	6158	80X80		
		80X50	3664	120		10	7329	80X80		

## APPLICATION INDUSTRIES

Serving multifarious industrial applications is our forte, helping us cater to the requirements of diverse industries. Due to the quality and optimum performance of our products, they have become one of the preferred choice of a large number of clients. The various industries that our products serve include:

- Chemical Effluent / Water Treatment
- Petro-Chemical
- Oil & Gas
- Sewage Treatment
- Pulp & Paper
- Sugar Industries
- Food
- Pharmaceutical Plant
- Beverages
- Metal & Steel Plant
- Paint

## QUALITY

Our adherence to strict quality measures has resulted in our impeccable range of products. All our products are manufactured as per design API 675 standards. Our continuous efforts for bringing meaningful improvisations in terms of advanced mechanisms and quality of products have further helped us in delivering results as per the needs of our clients.

Our inspection is done by a team of quality control inspectors who are specially trained to identify defects in raw materials and also any kind of manufacturing defects. They help us in conducting stringent checks at every stage of production, ensuring flawless products.

The quality control measures undertaken by us include:

- Current test
- Voltage test
- Pressure test
- Flow rate test
- Vibration test
- Noise level test



## INFRASTRUCTURE

We have a state-of-the-art infrastructure which spread across 3000sq feet, which help us to produce an impeccable range of industrial pumps. Our production unit is fitted with modern machines and techniques that aid in faster production of our pumps and assure us of meeting the dynamic requirements of the customers.

With a progressive approach towards excelling in our endeavors, we keep a track on the changes and technical advancements taking place internationally. These measures help us in keeping abreast with the latest technological advancements.

Our manufacturing unit encompasses the following machinery:

- Lathe Machines
- Welding machine
- Grinders
- Bending machine
- .Cylindrical grinding machine
- .Milling machines
- Drilling machines
- .Surface grinding machine

## **STORAGE & PACKAGING**

At Minimax, we have a streamlined process for storing the products. Our warehouse has segregated sections for meeting the requirements of different components based on their physical properties. Segregating the products facilitates in identifying the products at the time of packing and delivery. We have maintained a congenial atmosphere to protect the products from moisture that can lead to rusting and corrosion.

In addition to this, all our products are packed and labeled based on their type, which are then packed into wooden pellets or boxes. We also ensure that they are suitably packed to ensure complete safety to our products during the transit period.

## **DISTRIBUTION NETWORK:**

We also have tie ups with leading C&F agents to make deliveries of our products across the length and breadth of the country. Their competence to deliver products within the scheduled time frame has given us an edge above our competitors.

## CLIENTS

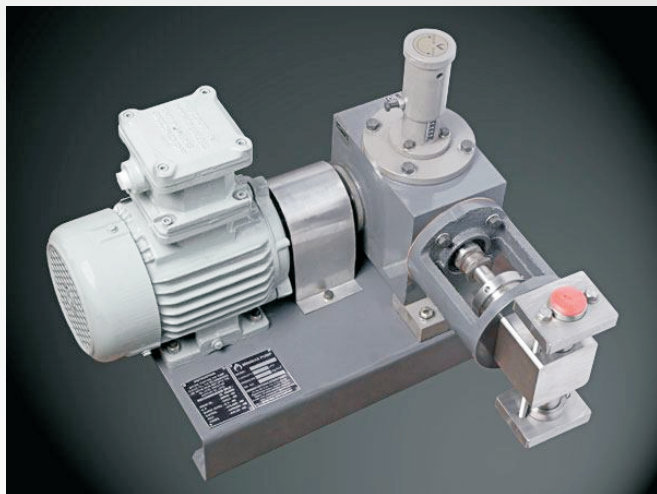
We have taken the responsibility of meeting the demands of the customers strictly as per their specific requirements. We have gained recognition in the domestic as well as international markets through our efforts towards providing the best quality and performance standards in our products. Other than this, the prompt and efficient after sales services setup has also helped us to build a strong network of clients globally.

## WHY US

Some of the unique features that set our company apart from our competitors are:

- **Adherence to quality standards**
- **Customized range**
- **Capacious warehouse**
- **Efficient distributor network**
- **On time delivery**
- **Industry leading prices**
- **Allover India after sales service**
- **Low maintenance**

## PLUNGER TYPE PUMPS



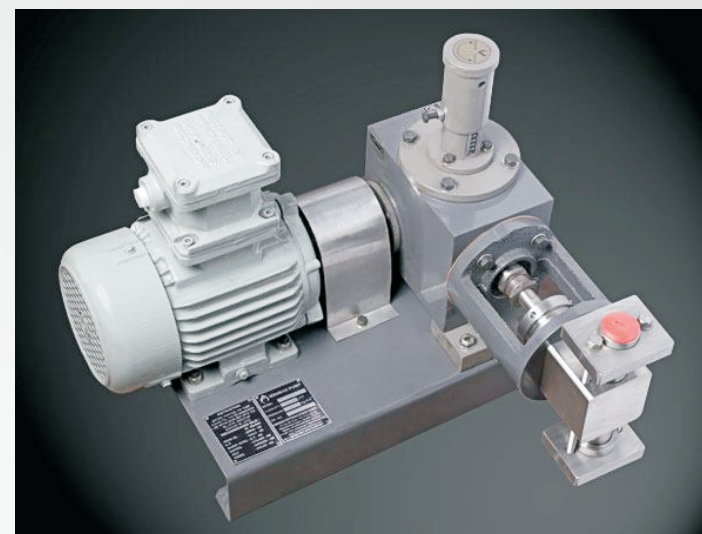
**We offer our customers with wide range of Plunger Pumps which are made up of quality material like Monel, Alloy 20, Hastalloy B, Polypropylene, Hastalloy C, Titanium, GFT . All our products are of AISI 304, AISI 316 standards.**

## SPECIFICATIONS

- $\frac{3}{4}$  It can achieve high flow rates of 10,000 liters/hr & high pressures of 400 Kg/sq. cm.
- $\frac{3}{4}$  Steady State metering accuracy of + /- 1 % of pump output, at single setting of stroke from 10% - 100% (Turn down ratio 10:1).
- $\frac{3}{4}$  Reproducibility (Repeatability) better than +/- 2.5 % of set point.
- $\frac{3}{4}$  Easily handles viscous fluids.
- $\frac{3}{4}$  Heating or cooling jackets for liquid head is also available.
- $\frac{3}{4}$  They have Low NPSHR requirement.
- $\frac{3}{4}$  Positive return of plunger and variable stroke mechanism allows linear relationship between control stroke settings and stroke length.
- $\frac{3}{4}$  Simplex and Multiplex arrangements of pumps available for universal use.

## PLUNGER TYPE PUMPS MODELS

Sr. No.	Pump model	Capacity max (lph)	Pressure max Kg./Sq.Cm)
1	MM I	0 to 200	115
2	MM II	0 to 800	40
3	MM III	0 to 3800	310
4	MM IV	0 to 9800	405





## HYDRAULICALLY ACTUATED DIAPHRAGM TYPE PUMPS



**We offer our customers with premium quality hydraulic actuated diaphragm pumps, which are known for their efficient performance. Made up of superior quality raw material such as Monel, Alloy 20, Hastalloy B, Polypropylene, Hastalloy C, Titanium, GFT.**

### SPECIFICATIONS

- $\frac{3}{4}$  Standards -- AISI 304, AISI 316,
- $\frac{3}{4}$  Allow leak free operation
- $\frac{3}{4}$  Flow rates of 0 TO 10,000 LPH
- $\frac{3}{4}$  High discharge pressures of 400 Kg/sq. cm. .
- $\frac{3}{4}$  Steady State metering accuracy of + - 1 % of pump output, at single setting of stroke from 10% - 100% (Turn down ratio 10:1,8:1 ).
- $\frac{3}{4}$  To safeguard the system inbuilt pressure relief & vacuum valve on the hydraulic side are provided.
- $\frac{3}{4}$  Available with double diaphragm with rupture indication.
- $\frac{3}{4}$  Easily handles viscous fluids. They are compatible with most of fluids.
- $\frac{3}{4}$  Simplex and Multiplex arrangements of pumps are available for universal use.
- $\frac{3}{4}$  Available with heating or cooling jackets for liquid head.

## HYDRAULICALLY ACTUATED DIAPHRAGM TYPE PUMPS

Sr. No.	Pump model	Capacity max (lph)	Pressure max (Kg./Sq.Cm)
1	HYD MM-I	0 to 200	115
2	HYD MM II	0 to 800	40
3	HYD MM III	0 to 3800	310
4	HYD MM IV	0 to 9800	405



## MECHANICALLY ACTUATED DIAPHRAGM TYPE PUMPS



**We provide our customers with high performance oriented mechanically actuated diaphragm pump, which are suitable to handle most corrosive fluids.**

### SPECIFICATIONS

- $\frac{3}{4}$  Standards -- AISI 304, AISI 316,
- $\frac{3}{4}$  Rawmaterial -- Monel, Alloy 20, Hastalloy B, Polypropylene, Hastalloy C, Titanium, GFT, PTFE, PVC,
- $\frac{3}{4}$  Flow range from 35 LPH up to 1150 LPH (Single Pump Head), for different models & pressure of maximum 4 Kg./Sq.Cm.
- $\frac{3}{4}$  Completely leak free diaphragm pumps.
- $\frac{3}{4}$  Steady state metering accuracy of + 3%, of pump output, at single setting of stroke from 10% - 100% .
- $\frac{3}{4}$  Reproducibility (Repeatability) better than + - 3% of set point.
- $\frac{3}{4}$  Teflon diaphragm supported by a steel core & reinforced by vulcanized chemical & temperature resistant EPDM material
- $\frac{3}{4}$  It is strengthened with Nylon webbing ensuring better life & flexibility.
- $\frac{3}{4}$  To create reciprocating motion plunger is directly connected to diaphragm.
- $\frac{3}{4}$  Unlimited dry running capability.

## MECHANICALLY ACTUATED DIAPHRAGM TYPE PUMPS

Sr. No.	Pump model	Capacity max (lph)	Pressure max (Kg./Sq.Cm)
1	MMD MM-I	0 to 150	3.5
2	MMD MM II	0 to 315	3.5
3	MMD MM III	0 to 550	3.5
4	MMD MM IV	0 to 1090	3.5



## SOLENOID ACTUATED DIAPHRAGM PUMPS



**We offer our customers with Solenoid actuated Diaphragm pump Key, which are known for their durability and good performance. These have the double ball NRV which ensures long life & better accuracy.**

### SPECIFICATIONS

- $\frac{3}{4}$  **Design :013 YELLOW COLOUR**
- $\frac{3}{4}$  **Max flow rate up to 40 LPH., & pressure of Max 04 Kg/sq. cm.**
- $\frac{3}{4}$  **Air Bleed arrangement built into pump Head.**
- $\frac{3}{4}$  **Operating voltage range viz. 180 – 280 V.**
- $\frac{3}{4}$  **Automatic voltage compensation to ensure dosing consistency.**
- $\frac{3}{4}$  **Receive the 4-20 m Amp.**
- $\frac{3}{4}$  **Fault L. E. D. gives visual indication of blown fuse, low level in chemical tank, over-heating of pump.**
- $\frac{3}{4}$  **Available with level switch inter-lock facility.**
- $\frac{3}{4}$  **Relay output: Potential free change over contact, which activates in event of pump malfunction.**
- $\frac{3}{4}$  **Unlimited dry running capability.**
- $\frac{3}{4}$  **Compact & Requires less space**
- $\frac{3}{4}$  **Easy to operate**
- $\frac{3}{4}$  **Minimum Maintenance.**



## SOLENOID ACTUATED DIAPHRAGM PUMPS

Sr. No.	Pump model	Capacity max (lph)	Pressure max (Kg./Sq.Cm)
1	MMD MM-I	0 to 150	3.5
2	MMD MM II	0 to 315	3.5
3	MMD MM III	0 to 550	3.5
4	MMD MM IV	0 to 1090	3.5



## COMPLETE SKID MOUNTED DOSING SYSTEMS

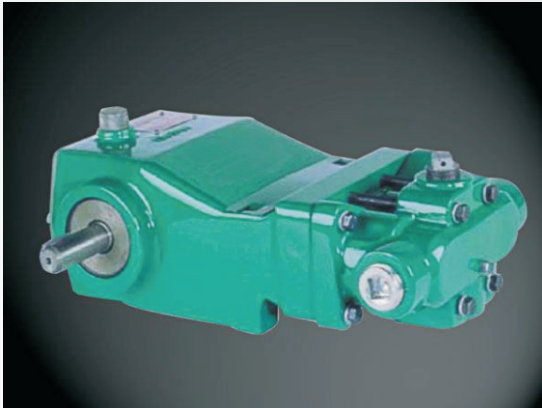


**We offer our clients with complete package of skid mounted chemical dosing system. With our experience we are able to convert specific dosing requirements into simple skid mounted dosing packages.**

### FEATURES

- ¾ Chemical mixing cum storage tanks in SS, POLYPROPELENE, HDPE, PVC**
- ¾ Motorized Agitator,**
- ¾ Pressure safety valve**
- ¾ Check Valve,**
- ¾ Level Indicator**
- ¾ Level switch**
- ¾ Pressure gauge**
- ¾ Strainer**
- ¾ Dissolving Basket**
- ¾ Pulsation Dampener & Standard Pipe fittings.**
- ¾ As per international standards**
- ¾ Automatic control instrumentation**

## HIGH PRESSURE TYPE TRIPLEX PLUNGER PUMPS



We provide our customers with high pressure type Triplex plunger pumps. Available in simple and comfortable design these have the following features:

### Features

- Volumetric Efficiency 95 % (as High As)
- Few Moving Parts : Low Maintenance
- Maximum Pressure Up To 750 Kg/cm<sup>2</sup>
- Easy to Maintenance

### APPLICATION

Hydraulic testing of boiler, & vessels

Cleaning of boilers tubes. Mist application, Spraying



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