



SR METERING PUMPS & SYSTEMS

Manufacturers of:

- **Chemical Dosing / Metering Pumps**
(Plunger Type & Diaphragm type)
- **Industrial Mixers / Agitators**
- **Skid Mounted Dosing Systems**



SR Metering Pumps & Systems is engaged in design and manufacture of reliable, precise in performance, Plunger & Diaphragm pumps to suit specific needs of each customer.

What sets SR Metering pumps & Systems apart from the other players, in the market, is its urge for growth through delivery of excellent products and service to all its customers within quick time.

Thorough research & development, stringent quality control & sophisticated testing procedures & facility is the back-bone of our organization.

The Strength of our company is our manufacturing which includes-

- ▶ A well equipped Foundry.
- ▶ A well equipped Machining house
- ▶ A well-equipped Fabrication unit
- ▶ Sophisticated Assembly shop
- ▶ Sophisticated Inspection & Testing facilities

The company's strength INCLUDES prompt after sales service

QUALITY ASSURANCE

Every individual pump at 'S R' is manufactured under stringent norms adhering to Specific Quality Plan. Every individual pump is tested at our test bed for performance & various other characteristics.

SR ' MAKE HIGHLY PRECISE RECIPROCATING PUMPS ARE TESTED TO CONFIRM INTERNATIONAL STANDARDS OF API-675.

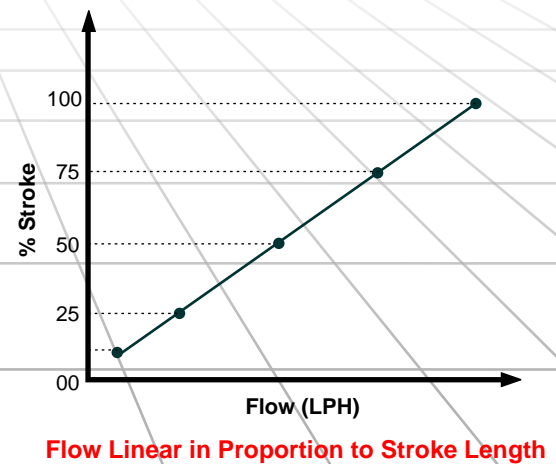
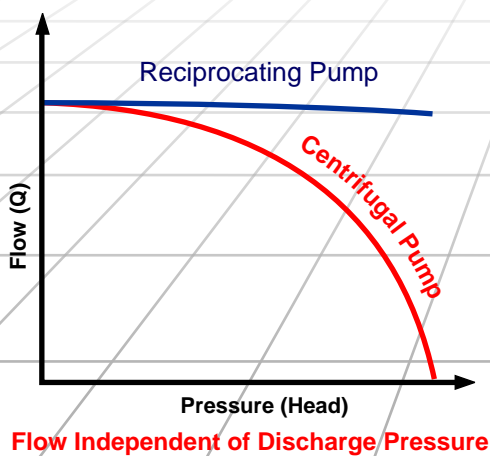
Pump Typical Characteristics

Capable of delivering precise volume of liquid in specified time.

The volume of liquid (Flow Rate) to be delivered can be varied by simple micrometric adjustment of metering system.

SR Make metering pumps have flow rate, which is :-

- ▶ Independent of discharge pressure.
- ▶ Linear in proportion to stroke length.
- ▶ Digital in nature



Pump Design & Performance generally confirms international standard of API 675.

PRODUCT RANGE

SL SERIES - These are simple packaged plunger pumps.

Key Design Features:

- ▶ Simple & rigid design makes it suitable for high pressures.
- ▶ High flow rates of 6155 liters/hr & high pressures of 400 Kg/sq. cm. can be achieved.
- ▶ Steady State metering accuracy of +/- 2.5 % of pump output, at single setting of stroke from 10% - 100% (Turn down ratio 10:1).
- ▶ Reproducibility (Repeatability) better than +/- 2.5 % of set point.
- ▶ Easily handles viscous fluids. They are compatible with most of fluids.
- ▶ Positive return of plunger & variable stroke mechanism allows linear relationship between control stroke settings & stroke length.
- ▶ They have Low NPSH requirement.
- ▶ Heating or cooling jackets for liquid head is also available upon request.
- ▶ Special coatings on plungers can be offered for high wear resistance.
- ▶ Simplex and Multiplex arrangements of pumps available for universal use.
- ▶ Pump performance confirms to international standard of API 675

Standard Models:

Sr. No.	PUMP MODEL	CAPACITY	PRESSURE
		(L.P.H)	(Kg. / Sq. Cm)
1	SL 10	0.3 to 152	3 to 115
2	SL 20	0.3 to 187	3 to 140
3	SL 35	0.3 to 3590	3 to 310
4	SL 45	0.3 to 4616	3 to 24
5	SL 60	0.3 to 6155	3 to 405



Simplex Plunger Pump

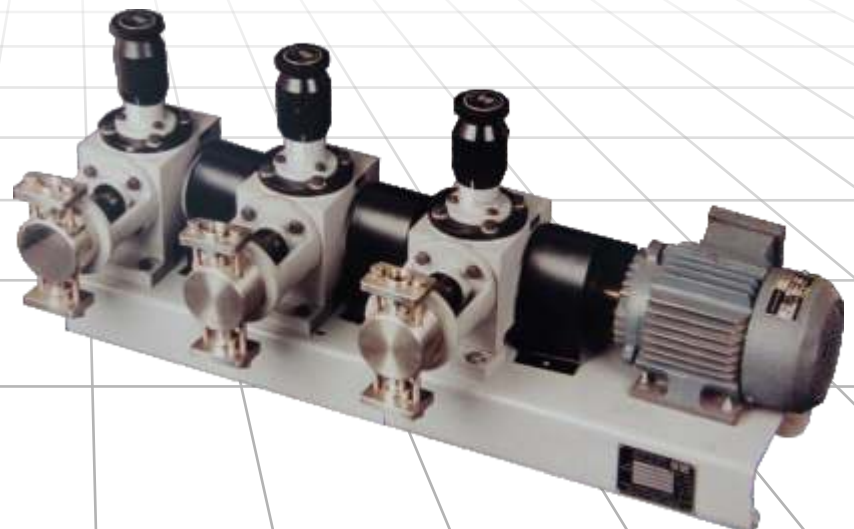
Wet-end materials:

S. S. 316, Hastelloy 'C', P.V.C.,
Or any other machinable material.

Pumps with pressures up to 900 Kg./Cm² Maximum can be supplied, upon request



GMP Plunger Pump



Triplex Plunger Pump (Multiplexing)

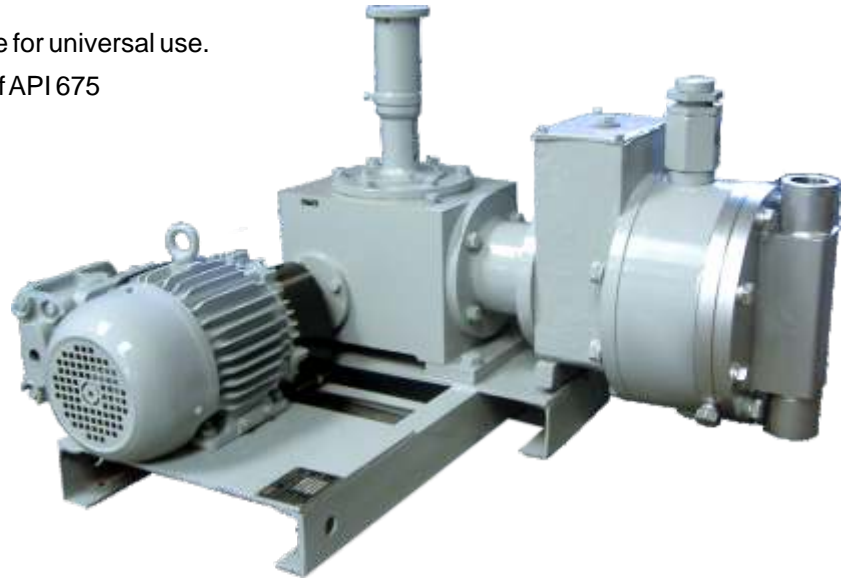
HD SERIES - These are hydraulically flexed sandwich diaphragm pumps.

Key Design Features:

- ▶ SR make HD type pumps are Diaphragm glandless pumps with **hermitically sealed Diaphragm** allowing **complete leak free operation**.
- ▶ Flow rates of 5087 LPH, & High discharge pressures of 180 Kg/sq. cm. can be achieved. Hydraulic pressure acts equally on the total area of Diaphragm to allow pumping at high pressures.
- ▶ Steady State metering accuracy of + - 2.5 % of pump output, at single setting of stroke from 10% - 100% (Turn down ratio 10:1).
- ▶ Reproducibility (Repeatability) better than +/- 2.5 % of set point.
- ▶ Inbuilt Pressure Relief & vacuum valve on the hydraulic side to safeguard the pump.
- ▶ Double diaphragm with Diaphragm rupture indication also available for all standard models.
- ▶ They are compatible with most of fluids.
- ▶ Simplex and Multiplex arrangements of pumps available for universal use.
- ▶ Pump performance confirms to international standard of API 675

Standard Models:

Sr. No.	PUMP MODEL	CAPACITY (L.P.H)	PRESSURE (Kg. / Sq. Cm)
1	HDSL 10	6 to 152	3 to 74
2	HDSL 20	6 to 761	3 to 91
3	HDSL 35	6 to 3590	3 to 180
4	HDSL 60	6 to 5087	3 to 180

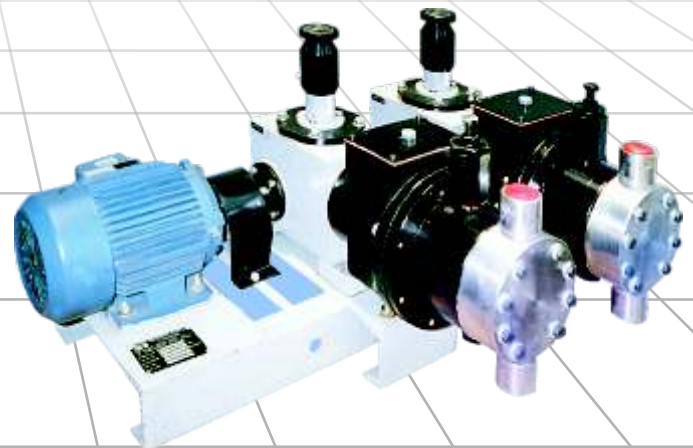


Wet-end materials:

S. S. 316, Hastelloy 'C', P.T.F.E., Glass filled Teflon, P.V.C., P.P., Or any other machinable material.



Double Diaphragm Pump With Rupture Indication



Duplex Diaphragm Pump

SMD SERIES - These are mechanically actuated Diaphragm pumps.

Key Design Features:

- ▶ Flow range from 06 LPH up to 1090 LPH for different models & pressure of maximum 4 Kg./Sq.Cm.
- ▶ Completely leak free diaphragm pumps.
- ▶ Steady state metering accuracy of + 3%, of pump output, at single setting of stroke from 10% - 100% (Turn down ratio 10:1).
- ▶ Reproducibility (Repeatability) better than + - 3% of set point.
- ▶ Suitable to handle most corrosive fluids.
- ▶ Teflon diaphragm supported by a steel core & reinforced by vulcanized chemical & temperature resistant EPDM material, strengthened with Nylon webbing ensuring better life & flexibility.
- ▶ Plunger directly connected to diaphragm to create reciprocating motion.
- ▶ Compact & Requires less space; Easy to operate & Maintain.

Standard Models:

SMD 1098	SMD 1143	SMD 1200
SMD 8098	SMD 8143	SMD 8200

Wet-end materials:

S. S. 316, P.T.F.E., P.V.C., P.P., PVDF.
Or any other machinable material.



SDP SERIES - These are solenoid actuated Diaphragm pump.

Key Design Features:

- ▶ Flow range of 0.3 LPH to 25 LPH., & pressure from 0.5 to 13 Kg/ sq. cm. for different models.
- ▶ Air Bleed arrangement built into liquid head in standard pump.
- ▶ Double ball NRV ensures long life & better accuracy.
- ▶ Fault L. E. D. gives visual indication of low level in chemical tank.
- ▶ Inbuilt Level Switch inter-lock facility available as a standard feature.
- ▶ Steady state metering accuracy of + 5%, of pump output, at single setting of stroke. Reproducibility of $\pm 5\%$ under standard conditions.
- ▶ Double scale pulse reduction: 0, 100% / 0, 25%
- ▶ Suitable to handle most corrosive fluids.
- ▶ Compact, Light weight & Requires less space; Easy to operate & Maintain.
- ▶ Option of control of pump by remote signal. (4 to 20mA. / 0 to 10V) available in Pump type 'A'.

Wet-end materials:

S. S. 316, P.T.F.E., P.V.C., P.P., PVDF.
Or any other machinable material.



CHEMICAL DOSING / INJECTION SYSTEMS

SR Metering Pumps & Systems offers design & manufacturing of, Custom-Made, complete Skid mounted chemical dosing systems to suit specific needs of customers.

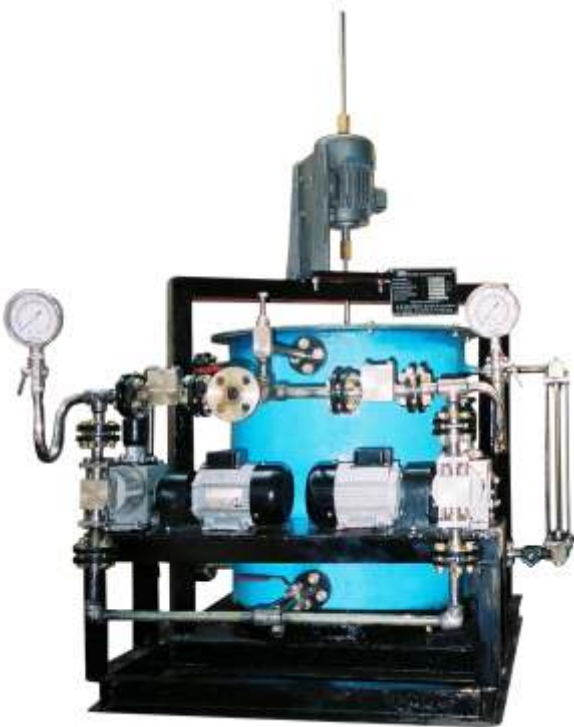
A team of well experienced and qualified engineers having thorough Knowledge of design standards is dedicated exclusively for design & manufacture of Dosing systems. **We also offer PLC based fully automatic dosing systems with complete instrumentation package.**

Following are some of our standard dosing systems:

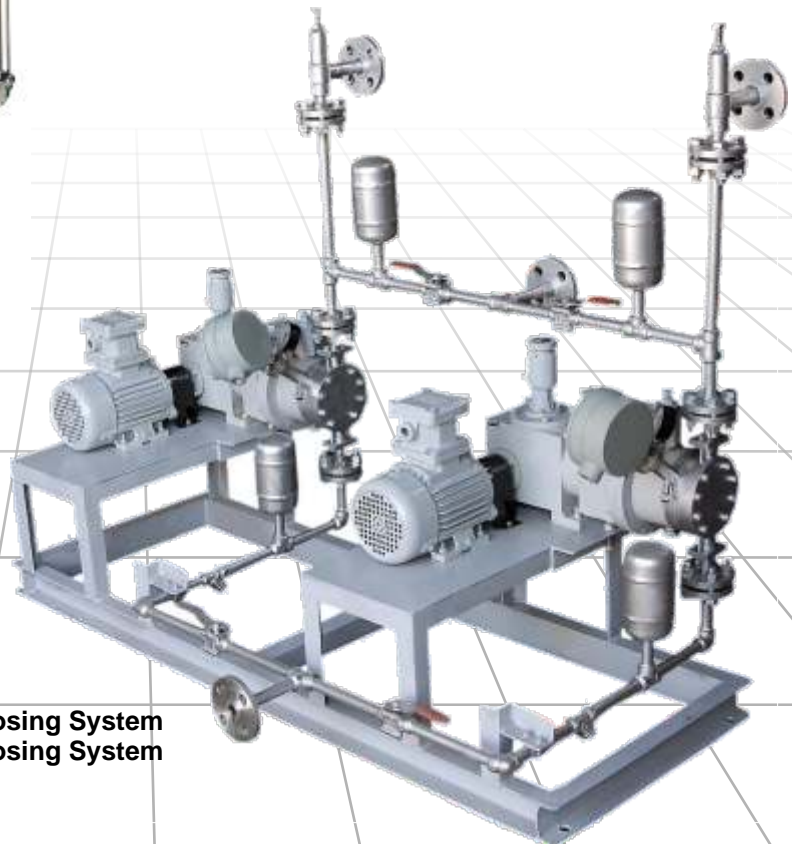
- ▶ Boiler dosing systems (low pressure / high pressure).
- ▶ Flocculent dosing systems. (Fully Automatic)
- ▶ Hypo Chloride dosing systems.
- ▶ Acid dosing system.
- ▶ Corrosion inhibitor Dosing System
- ▶ Sulphuric Acid Dosing System
- ▶ Additive Injection System



LP Dosing System



Corrosion Inhibitor Dosing System
Scale Inhibitor Dosing System





Automatic Flocculent Dosing System

AGITATORS

Custom made agitators for industrial mixing.

- ▶ Available in the following Materials:
SS 316, SS 316 with FRP Coating, SS 316 with Rubber Lining, etc.
- ▶ Available in High speed & slow speed options as per specific requirements.
- ▶ Impeller design available in **Propeller type, Pitched blade, Hydrofoil, Turbine type etc.**



Sr. No.	MODEL	SHAFT RPM
1	AG 71	1440
2	AG 80	960 / 1440
3	AG 3000	65 / 100 / 150 / 200
4	AG 7000	65 / 100 / 150 / 200



ACCESSORIES

- ▶ Pressure relief valve (PRV)
- ▶ Suction Strainer
- ▶ Back pressure Valve (Anti-siphon valve)
- ▶ Pulsation Dampeners.
- ▶ Calibration Pot.
- ▶ Low Level Switch.
- ▶ Electronic remote stroke control for flow adjustment
- ▶ Steam or fluid jacketing for liquid end cooling or heating.
- ▶ Drive motors in STD TEFC & flameproof enclosures.
- ▶ Spare parts kit for two years.
- ▶ A wide range of Controllers suitable for different types of applications are also available upon request.
- ▶ Invertors to control flow rate of pumps.



Y-Strainer



PRV



PULSATION DAMPENERS

APPLICATION SECTORS :

- | | | | |
|--|--|--|---|
| <ul style="list-style-type: none"> ■ Chemical ■ Effluent / Water Treatment ■ Sewage Treatment ■ Power Plants ■ Pharmaceutical | <ul style="list-style-type: none"> ■ Oil & Gas ■ Textile Industry ■ Petro - Chemical ■ Pulp & Paper ■ Food Industry | <ul style="list-style-type: none"> ■ Beverages ■ Sugar Industry ■ Paint ■ Metal & Steel ■ Marine Applications | <ul style="list-style-type: none"> ■ Mines ■ Automobile Industry ■ Engineering Application ■ ■ |
|--|--|--|---|



We have been exporting our products to the following countries:

Egypt

Kenya

Bahrain

Bangladesh

Indonesia

Kuwait

Zambia

Malaysia

Oman

Philippines

Saudi Arabia

Sri Lanka

United Arab Emirates

Thailand

Argentina

South Africa



S.R METERING PUMPS & SYSTEMS

Works: K-36, M.I.D.C., Ambad, Nashik - 422010
Maharashtra, India

Office: 17, Shastrinagar Society, Indiranagar,
Nashik - 422009, Maharashtra, India

Phone: +91-253-6604491 / 2383372

Fax: +91-253-6603321

E-mail: info@srmetering.com, sales@srmetering.com

www.srmetering.com