

MARKO
STEAMJET PVT. LTD.

Design & Manufacturing
**PISTON PLUNGER TYPE
AND DIAPHRAGM TYPE
DOSING METERING PUMP**

www.markosteamjet.com





ABOUT US

Marko steam jet is a leading and recognized name in the Rotary joint, valves and pumps industry, striving to manufacture quality engineered products to the related industries and boom the manufacturing numbers in India. The Prominence that the company has achieved since its establishment is its unwavering commitment to quality. With pioneering 16 years of customer trust and satisfaction, we not only create value for stakeholders, but also benefit them with our innovations and services.

At Marko Steam jet, we understand that servicing of any engineered instrument is important for better efficiency and life-span. Thus, we provide our customers with the facility of rebuilding or repairing equipments. All rebuild joints at our company are factory tested and will be delivered and installed with full confidence to strike and achieve optimum customer satisfaction.

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17+
Years
Experience



500+
Satisfied
Clients



7+
Country
Presence



INDUSTRIES WE SERVE

Oil Plant



Pulp & Paper

Water Treatment



Textile

Sugar



Food

Chemical



Petro - Chemical

Metal & Steel

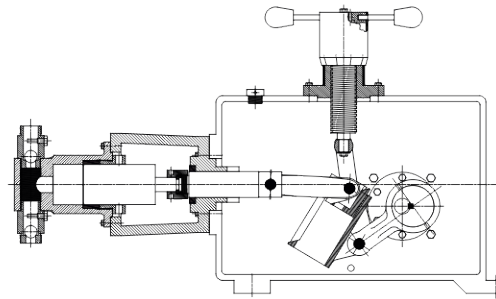
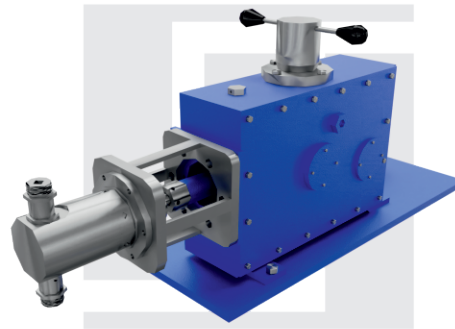


Power Plant



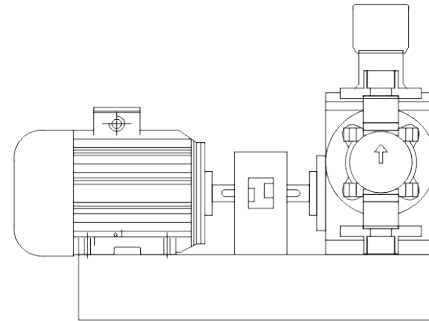
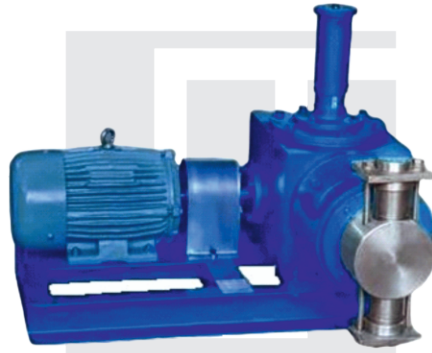
A dosing pump is a special pump that controls the flow of liquids or chemicals in a precise way. It's commonly used in industries like water treatment, chemical, pharmaceuticals and food and drinks.

The main purpose of a dosing pump is to deliver exact amounts of substances. This is important in applications where precise amount of chemical are needed, like disinfecting water, adjusting pH levels or adding additives in industries up to 1.4 CP liquid.



S.No.	MODEL	CAPACITY (L.P.H)	PRESSURE (kg/sq.cm)
1	MKP-1	0 to 300	0 to 300
2	MKP-2	0 to 500	0 to 130
3	MKP-3	0 to 1000	0 to 140
4	MKP-4	0 to 2000	0 to 250
5	MKP-5	0 to 5000	0 to 300
6	MKP-6	0 to 10000	0 to 350





S.No.	MODEL	CAPACITY (L.P.H)	PRESSURE (kg/sq.cm)
1	MKP-7	0 to 100	0 to 100
2	MKP-8	0 to 300	0 to 100

❁ SOME KEY FEATURES OF DOSING PUMPS INCLUDE

- **Precision** : Dosing pumps are made to deliver precise amounts of liquid, ensuring accuracy.
- **Adjustable Flow Rate** : They allow you to control how fast the chemical is injected into the system.
- **Programmable** : Many dosing pumps can be programmed to follow specific schedules and patterns.
- **Compatibility** : Dosing pumps are available in different materials to work with various chemicals.
- **Safety** : Dosing pumps often have safety features like leak detection and overload protection.

When choosing a dosing pump, consider factors like flow rate, pressure, chemical compatibility, viscosity and your specific needs.



❖ PRINCIPLE

Marko metering / dosing pumps are reciprocating positive displacement pumps for fluids, with a continuous adjustment of metered flow. In one compact machine, the metering pump combines the functions.

1. Conveying
2. Measurement
3. Adjustment

❖ MATERIAL OF CONSTRUCTION - (CONTACT PARTS)

- S.S.316/S.S.304/ Hastelly – B – or C/ Alloy-20/
- Polypropylene/ Uhmwpe/ Pyc/ Ptfе/ 20% G.F.T.

(Plunger or as per customer's requirement.)

❖ FEATURES

- All rotating components are hardened and ground.
- Our Pumps are capable to dose the fluid within Accuracy +/- 1% and Turn Down Ration 10: 1.
- Easily compatible with most of the fluids.
- Steady state metering accuracy of +/- 1% of pump output.
- Single setting of stroke from 10%-100% by interlocking mechanism.
- Simplex and Multiplex arrangements of pumps available for universal use.
- Positive return of plunger and variable stroke mechanism allows linear relationship between control stroke setting and stroke length.
- Reproducibility (Repeatability) better than +/- 2.5% of set point.
- They have low NPSHR requirement.
- Stroke Adjustment 0 TO 200 SPM.
- Digital Stroke Length adjustments to achieve very high accuracy.





SOLENOID OPERATED DIAPHRAGM PUMP

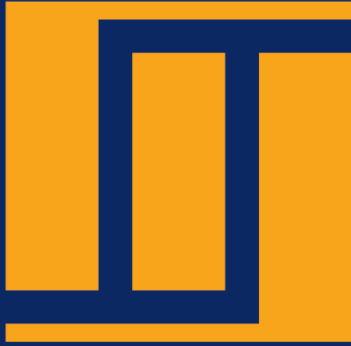


S.No.	MODEL	CAPACITY (L.P.H)	WEIGHT APPROX
1	MKP-S1	0-6 LPH	3.8 Kg.
2	MKP-S2	0-20 LPH	5.8 Kg.

•• FEATURES :-

- Stroke adjustment 0 – 100 SPM
- Solenoid Drive Low Power Consumption (>40 Watts)
- Air Bleed arrange built into liquid head in standard pump.
- Compact size less Moving parts Low maintenance.
- Suitable to handle most corrosive fluids.
- Double ball NRV Ensures long life & better accuracy.





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