

## METERING / DOSING PUMPS

The Company is producing and supplying of Quality Metering / Dosing pumps which are high precision positive displacement pumps, plunger Type Metering pump suited for non-hazardous. In the case of Molten Liquids Steam Jacketed Head can be provided. Hydraulically operated diaphragm pump suitable for service conditions involving hazardous toxic, radioactive or poisonous Liquid where product Leakage is not at all permitted. Double diaphragm pumps for suitable for slurry. In the case of hot Liquids remote heads can be provided.

The pumps are useful for accurate dosing and mixing of acids, alkalis, slurries viscous liquids etc. They are used in Chemicals, Fertilizer, Water treatment plant, Soap plant, Paper industries, Pharmaceuticals industries, Thermal power projects and Plastic industries.

The pump discharge is variable while pump is running or at rest from zero (0%) to full stork (100%) by means of a precision machined Crank equipped with a stork length adjustment mechanism. The stork of the pump Controlled manually (local) or Automatic Electrically (Remote). The pumps are available in ranges from 0.5 to 15000 LPH pressures. Pump can be offered in Simplex, Duplex, Triplex and Multiple Heads for handling different chemicals with common Motor. Each head would have independent connections and the capacity of each head can also be independently adjustable. Wetted parts can be offered is S.S. 316 or 304. Carbon Steel, P.P., P.V.C., P.V.D.P., Teflon, Alloy 20, Hastalloy B or C. and Titanium etc. Diaphragm Material Teflon.

### **DIAPHRAGM TYPE METERING PUMPS**

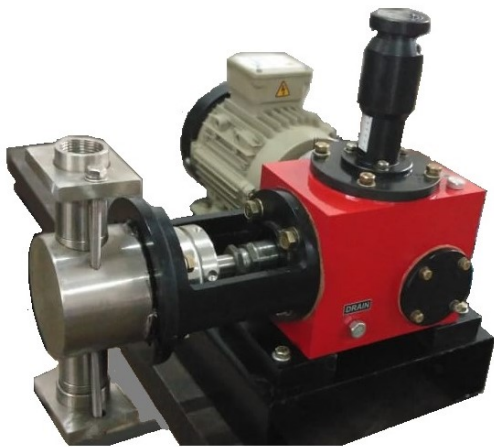
The Hydraulically Operated Single Diaphragm Type and Double Diaphragm type metering pump for suitable service conditions involving hazardous toxic, radioactive or poisonous liquid where product leakage is not at all permitted. The Diaphragm is hydraulically actuated and has a long life as it is always in hydraulic balance, with the liquids being pumped on one side and actuating fluid on the opposite side. Its function is basically that of a partition. The diaphragm material is usually Teflon. For very severe duty conditions or when handling slurry or hot liquids, double diaphragm and remote heads can be provided.



**These Dosing / Metering pumps are also known as injection pump, feed pump, proportioning pump, leak less pump.**

## PLUNGER TYPE METERING PUMPS

The Plunger Type Metering Dosing Pump for non hazardous liquids, Because of their simple dosing they are quite economical. They can be provided with flushing connections. The company also manufactures hydraulically operated Single and Double Diaphragm type and Remote head type for hot liquids and Jacketed Type for Molten Liquids. The range includes high precision positive displacement pump conforming to API 675. Typical application for our pumps is useful accurate dosing and mixing of acids, alcoholic, slurries, viscous liquids etc. They are used in Chemical Plant, Fertilizer plant, Water Treatment Plant, Soap Plant, paper Industries, Pharmaceutical Industries, Thermal Power projects, and Plastic Industries.



PLUNGER TYPE DOSING PUMP



MULTI STAGE PLUNGER TYPE DOSING PUMP

Our range covers everything from the single pump to completed automated meter in dosing system and comprises of plunger and diaphragm pump with metering range from various capacity and pressure from Two to Fifteen thousand LPH. Pump can be Offered in Simplex, Duplex, Triplex, and Multiple Heads handling for different chemical with a common Motor. Each heads would have independent connection and capacity of each heads can be also independently adjustable. The pump discharge is variable while pump is running or at rest from Zero (0%) to full stork (100%) by means of a precision machined Crank equipped with a stork length adjustment mechanism. The stork of the pump controlled either Manually (Local) or Automatic electrically (Remote) 4 to 20 MA. Wetted parts can be offered in S.S.316 or 304, Carbon Steel, PVC, PP, Teflon, PVDF, etc.

**Flow range** : 100 ml/hr to 5000 LPH

**Pressure range** : Upto 50 Kg/cm<sup>2</sup>

**Temperature range** : 30 °C to 150 °C

**Manufacturing Standard** : API –675

**MOC** : AISI 316, AISI 304, AISI 410, CS, Alloy-20, Hastelloy C & B Titanium, Monel, Polypropylene, PTFE, Nylon, PVC, UHMWPE, etc.

**Stroke Adjustment Cartridge** : Manual

**Wet End Cartridge** : Single acting or double acting plunger  
Mechanically actuated diaphragm  
Hydraulically actuated single or double diaphragm  
Bellow Wet end cartridge with heating or cooling jacket.

**Valve** : Ball , Cone, Plate, Wing with or without spring loaded.

**Gland Packing** : U seal (PTFE, Chevron, PU) , Square rope, Bellow type.

**Options** : Pressure relief valve, Pulsation dampener, instrumentation  
And automation , complete dosing systems

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