



# UNIQUE DOSING SYSTEMS PVT. LTD.

**AN APPROVED VENDOR OF QATAR ENERGY**  
**ADDRESS : PLOT NO.-M88, MIDC AMBAD, NASHIK,**  
**MAHARASHTRA-422010, INDIA.**

**Mob/Tel: +91 98224 20535 / 0253-2386610**

**Email: [info@uniquedosing.com](mailto:info@uniquedosing.com)**

**Web: [www.uniquedosing.com](http://www.uniquedosing.com)/[www.uniquedosingsystem.com](http://www.uniquedosingsystem.com)**  
**[www.uniquedosingpumps.com](http://www.uniquedosingpumps.com)**

**AN ISO 9001:2015, 14001:2015, 45001:2018 COMPANY**  
**ESTABLISHED YEAR-2004**  
**MAKE IN INDIA**



# UNIQUE DOSING SYSTEMS PVT. LTD.

[www.uniquedosing.com](http://www.uniquedosing.com)



The background of the slide features a photograph of several large, stainless steel industrial tanks or vessels. Each tank is equipped with a green motorized agitator on top and various pipes, valves, and gauges. The tanks are arranged in a row, and the overall scene is set in an industrial environment. A dark, semi-transparent rectangular box is overlaid on the center of the image, containing the text.

## INTRODUCTION

We, **Unique Dosing Systems Pvt. Ltd. (UDSPL)**, are ISO 9001:2015, 14001:2015, and 45001:2018 certified by Bureau Veritas, engaged in the design and manufacturing of **Chemical Dosing & Metering Pumps, Skid Mounted Systems, and Agitators**. Our manufacturing facility is located in Ambad MIDC, Nashik, Maharashtra, India. All our pumps are tested as per **API 675 standards** and are available with liquid end materials such as **Monel, Alloy-20, Hastelloy B/C, AISI-304/316, PP, PTFE, PVC, GFT, and ceramic-coated heads**. We have successfully supplied our products to various Indian government and semi-government bodies, PSUs like **BARC, ONGC, NTPC, BHEL, IOCL, HPCL, OIL, ISRO, NRL**, as well as multinational and private companies. Our products are also exported to countries including **Bangladesh, Spain, USA (New York), Egypt, Zimbabwe, Qatar, Kuwait, Nigeria, South Africa, and Tunisia**, and are certified by third-party inspection agencies such as **Lloyds, TCE, NTPC, NPCIL, and BARC**.



# APPLICABLE SECTORS

1.  OIL & GAS INDUSTRIES
2.  PETROCHEMICAL INDUSTRIES
3.  PAPER & PULP INDUSTRIES
4.  CHEMICAL INDUSTRIES
5.  FERTILIZER INDUSTRIES
6.  PHARMACEUTICAL INDUSTRIES
7.  WATER TREATMENT PLANTS
8.  EFFLUENT / SEWAGE TREATMENT PLANTS
9.  TEXTILE INDUSTRIES
10.  FOOD & BEVERAGES INDUSTRIES
11.  COSMETIC INDUSTRIES
12.  POWER GENERATION PLANTS
13.  WASTE MANAGEMENT & RECYCLING

1.  STEEL & METALLURGICAL INDUSTRIES
2.  CEMENT INDUSTRIES
3.  AUTOMOBILE & AUTO COMPONENT INDUSTRIES
4.  MARINE & SHIPBUILDING INDUSTRIES
5.  HVAC & REFRIGERATION SYSTEMS
6.  MINING & MINERAL PROCESSING
7.  DAIRY INDUSTRIES
8.  BREWERIES & DISTILLERIES
9.  PLASTIC & POLYMER INDUSTRIES
10.  ELECTRONICS & SEMICONDUCTOR INDUSTRIES
11.  AGRICULTURE & IRRIGATION SYSTEMS
12.  PAINT & COATING INDUSTRIES
13.  BOILER & THERMAL SYSTEMS



# MANUFACTURING ITEMS

- **Dosing Pump (API 675) / Non-API**  
Precision pumps for controlled chemical dosing.
- **Dosing Skid / System**  
Complete dosing units for process integration.
- **Triplex Pump (API 674)**  
High-pressure positive displacement pumps.
- **Pulsation Dampener**  
Devices to smooth pressure fluctuations, including:
  - Volume Bottle Type
  - Bladder Type
  - Resonator Type
- **Level Gauge**  
Instruments for fluid level monitoring

- **Agitator**  
Equipment for mixing and blending fluids.
- **Static Mixer**  
Inline mixing devices without moving parts.
- **Pressure Safety Valve (PSV/PRV)**  
Safety valves to protect against overpressure.
- **Non-Return Valve (NRV)**  
Valves that prevent backflow in systems.
- **Strainer**  
Filters to remove debris and protect equipment.
- **Calibration Pot**  
Tools for pump calibration and accuracy.
- **Tank / Reactor / Storage Tank**  
Custom vessels for storage and chemical reactions.

## ISO CERTIFICATIONS

### ISO 9001:2015 Certification

We are certified under ISO 9001:2015, reflecting our commitment to a strong Quality Management System. This certification ensures consistent product quality, efficient processes, and ongoing improvement to meet and exceed customer expectations.



Bureau Veritas Certification



**UNIQUE DOSING SYSTEMS PVT. LTD.**



PLOT NO. M-88, MIDC, AMBAD, NASHIK – 422 010, MAHARASHTRA, INDIA.

Bureau Veritas (India) Pvt. Ltd. (Certification Business) certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the Management System Standard detailed below

Standard

**ISO 9001:2015**

Scope of certification

**DESIGN, MANUFACTURING AND SERVICING OF METERING/DOSING PUMPS /SYSTEMS AND ITS ACCESSORIES.**

Original cycle start date: **29 November 2011**

Recertification cycle start date: **28 November 2023**

Subject to the continued satisfactory operation of the Organisation's Management System, this certificate is valid until: **27 November 2026**

Certificate No. **IND.23.5343/QM/N** Version: 1 Issue date: **28 November 2023**

*Jagdeesh N. Manian*

Certification Authority  
**Jagdeesh N. MANIAN**  
Director – CERTIFICATION, South Asia  
Commodities, Industry & Facilities Division



Local office: Bureau Veritas (India) Private Limited (Certification Business)  
72 Business Park, Marol Industrial Area, MIDC Cross Road 1C\*,  
Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.  
To check this certificate validity please call + 91 22 6274 2000, OR E-mail: [cert.india@bureauveritas.com](mailto:cert.india@bureauveritas.com)



# ISO CERTIFICATIONS

## ISO 14001:2015 Certification

We are certified under ISO 14001:2015, demonstrating our commitment to effective environmental management. This certification ensures sustainable practices, regulatory compliance, and continuous improvement to minimize our environmental impact.



Bureau Veritas Certification



**UNIQUE DOSING SYSTEMS PVT. LTD.**



PLOT NO. M-88, MIDC, AMBAD, NASHIK – 422 010, MAHARASHTRA, INDIA.

*Bureau Veritas (India) Pvt. Ltd. (Certification Business) certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the Management System Standard detailed below*

*Standard*

**ISO 14001:2015**

*Scope of certification*

**DESIGN, MANUFACTURING AND SERVICING OF METERING/DOSING PUMPS /SYSTEMS AND ITS ACCESSORIES.**

Original cycle start date: **28 November 2023**

Expiry date of previous cycle: **Not Applicable**

Certification Audit date: **31 October 2023**

Certification cycle start date: **28 November 2023**

Subject to the continued satisfactory operation of the Organisation's Management System, this certificate is valid until: **27 November 2026**

Certificate No. **IND.23.5343/EM/N**

Version: **1**

Issue date: **28 November 2023**

*Jagdish N. Manian*

**Certification Authority**  
**Jagdish N. MANIAN**  
**Director – CERTIFICATION, South Asia**  
**Commodities, Industry & Facilities Division**



Local office: Bureau Veritas (India) Private Limited (Certification Business)  
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",  
Andheri (East), Mumbai – 400 093, India.

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# ISO CERTIFICATIONS

## ISO 45001:2018 Certification

We are certified under ISO 45001:2018, reflecting our commitment to a safe and healthy workplace through a strong Occupational Health & Safety Management System. This certification ensures proactive risk management, legal and regulatory compliance, and continuous improvement in health and safety performance to protect the well-being of our employees and stakeholders.



Bureau Veritas Certification



**UNIQUE DOSING SYSTEMS PVT. LTD.**



PLOT NO. M-88, MIDC, AMBAD, NASHIK – 422 010, MAHARASHTRA, INDIA.

*Bureau Veritas (India) Pvt. Ltd. (Certification Business) certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the Management System Standard detailed below*

*Standard*

**ISO 45001:2018**

*Scope of certification*

**DESIGN, MANUFACTURING AND SERVICING OF METERING/DOSING PUMPS /SYSTEMS AND ITS ACCESSORIES.**

Original cycle start date: **28 November 2023**

Expiry date of previous cycle: **Not Applicable**

Certification Audit date: **31 October 2023**

Certification cycle start date: **28 November 2023**

Subject to the continued satisfactory operation of the Organisation's Management System, this certificate is valid until: **27 November 2026**

Certificate No. **IND.23.5343/OHS/N** Version: **1** Issue date: **28 November 2023**

*Jagdish N. Manian*

**Certification Authority**  
**Jagdish N. MANIAN**  
Director – CERTIFICATION, South Asia  
Commodities, Industry & Facilities Division



Local office: Bureau Veritas (India) Private Limited (Certification Business)  
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",  
Andheri (East), Mumbai – 400 093, India.

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## ZED BRONZE CERTIFICATIONS

We are proud to announce that our company has achieved the ZED (Zero Defect Zero Effect) Bronze Certification under the MSME Sustainable Certification Scheme by the Government of India. This certification reflects our commitment to quality, sustainability, and operational excellence. The ZED Bronze Certification not only enhances our credibility but also positions us favorably in the competitive market, reflecting our proactive approach towards quality and sustainability.

 सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय  
MINISTRY OF  
MICRO, SMALL &  
MEDIUM ENTERPRISES



**CERTIFICATE**

**ZED BRONZE**

under MSME Sustainable (ZED) Certification Scheme  
awarded to

**UNIQUE DOSING SYSTEMS PRIVATE LIMITED**  
UNIT NAME

Flat No:- M-88, Building:- MIDC AMBAD, Road/Street:- MIDC, Village/Town:- AMBAD,  
Block: M, City: NASHIK, NASHIK, MAHARASHTRA 422010

UNIT ADDRESS

**28-Manufacture of machinery and equipment n.e.c.**  
CODE (AS PER NIC-2009)

**UDYAM-MH-23-0051308**  
UDYAM REGISTRATION NUMBER

Issued on :  
June 13, 2025

Certificate Validity :  
Three years from the date of issue





Certificate No. 13062026\_468148

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification Level.  
Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.



## LEAN BASIC CERTIFICATIONS

We are proud to announce that our company has achieved certification under the **Certified Lean Basis**, demonstrating our commitment to efficiency, quality, and continuous improvement. This certification ensures we adhere to Lean principles to minimize waste, optimize processes, and deliver maximum value to our customers. It reflects our dedication to operational excellence and sustainable performance across all functions.

 **MINISTRY OF  
MICRO, SMALL &  
MEDIUM ENTERPRISES**

**CERTIFICATE**



**LEAN BASIC**

under MSME Competitive (LEAN) Scheme -2022  
awarded to

**Unique Dosing Systems Private Limited**

UNIT NAME

MRS KUNTI S.S.

UNIT COORDINATOR NAME

Flat No:- M-88, Building:- MIDC AMBAD, Road/Street:- MIDC, Village/Town:- AMBAD, Block:- M, City:-  
NASHIK,NASHIK,MAHARASHTRA

UNIT ADDRESS

28, 33

CODE (AS PER NIC-2008)

**UDYAM-MH-23-0051308**

UDYAM REGISTRATION NUMBER

Issued on:  
13-07-2025

Certificate Validity:  
3 years from Date of Issue



LB 20250713\_16544

This certificate has been issued post compliance of all relevant requirements as laid down in the MSME Competitive (LEAN) Scheme 2022 guideline for Basic Level. Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.



**TOYO APPROVAL**



**Toyo Engineering India Private Limited**

<Security Level-2>

CIN : U28900MH1981PTC025413  
Registered Office : Toyo House, L.B.S. Marg,  
Kanjurmarg (West), Mumbai - 400 078, INDIA  
Tel: +91 22 5072 7000, Fax: +91 22 2573 7520 / 21  
E-mail : [in.contact@toyo-eng.com](mailto:in.contact@toyo-eng.com)  
Website : [www.toyo-eng.com/in/](http://www.toyo-eng.com/in/)

REF.: PUR/MVL/PKG/0073

DATE: 03/07/2025

**M/s. UNIQUE DOSING SYSTEMS PVT. LTD.**

Plot No. M-88, MIDC, Ambad,  
Nashik, Maharashtra - 422 010.  
Tel. No. ; +91 253 2386610, Mob.: 9822420535  
E-mail : [info@uniquedosing.com](mailto:info@uniquedosing.com)

Kind Attn: **Mr. Mahendra Kasar**

Subject : **Enlistment as an approved vendor with Toyo Engineering India Pvt. Ltd. (Toyo-I)**

Dear Sir,

We refer to your request on the subject matter, and are pleased to inform you that you have been enlisted with Toyo India as an approved vendor for the items mentioned below:

Item Description
CHEMICAL DOSING SYSTEM

This enlistment is valid for your works located at:

1. Plot No. M-88, MIDC, Ambad, Nashik, Maharashtra - 422 010.

Please note that this enlistment is subject to satisfactory execution of orders, maintaining schedule & quality of above mentioned items in the event of an order for our ongoing / future projects.

Further it may be noted that any change in the following shall be intimated to us along with relevant documents.

- The product range
- Location of works / sales office
- Management / Organization structure
- New / Revalidation of ISO 9001:2015 / ISO 45001:2018 / ISO 14001:2015 Certification

This enlistment is valid till **31/07/2030** subject to review on the basis of your performance. You shall send all the details three months in advance of the expiry date for Toyo India's review for renewal of enlistment.

Please note, the enlistment shall not bind Toyo India for sending enquiries / placement of orders, as also, Toyo India retains the right to review and cancel your enlistment without assigning any reasons.

Thanking you,

Yours faithfully,

For TOYO ENGINEERING INDIA PRIVATE LIMITED

  
HEMANT M. KUDTARKAR  
Associate Director &  
Division Head - Procurement



Toyo Technology Centre: 71, Kanjur Village Road, Kanjurmarg (E), Mumbai - 400 042.  
Tel: +91 22 5072 5000, Fax: +91 22 2573 5842  
Delhi Office: 214, Splendor Forum, Jasola District Centre, Near Apollo Hospital, New Delhi - 110025.  
Phone: 011-4059-1240, Fax: 011-4059-1246, Email : [in.delhi@toyo-eng.com](mailto:in.delhi@toyo-eng.com)

**QATAR ENERGY APPROVAL**

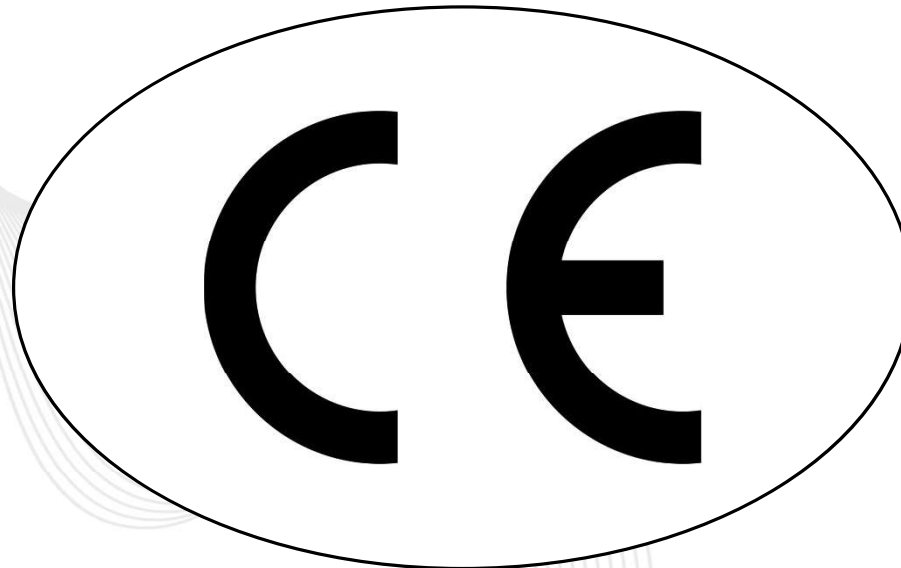


**UNIQUE DOSING  
SYSTEMS PVT LTD**

FIRST INDIAN COMPANY WHICH IS  
APPROVED IN **QATAR ENERGY**  
PREFERRED MANUFACTURER LIST FOR  
DOSING PACKAGES

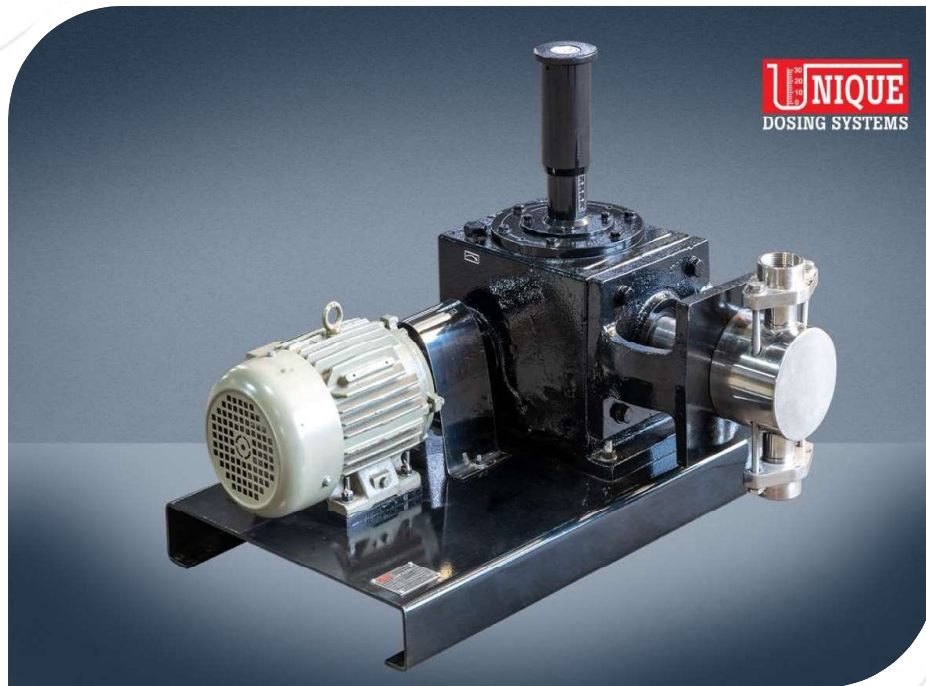
قطر للطاقة  
QatarEnergy

## CONFORMITY FOR EUROPE





## OUR PRODUCTS



## PLUNGER TYPE PUMP

## MODELS

UDP  
1010

UDP  
2020

UDP  
3535

UDP  
6060

**Plunger Type Dosing Pumps** are essentially industrial metering pumps. They are also known as **positive displacement pumps**, as they displace a specific volume of fluid during each cycle of operation.

The pumping action is generated by the **reciprocating motion of a plunger**. These pumps operate using a combination of a **drive-end mechanism** and a **liquid-end mechanism**, ensuring reliable and consistent performance.

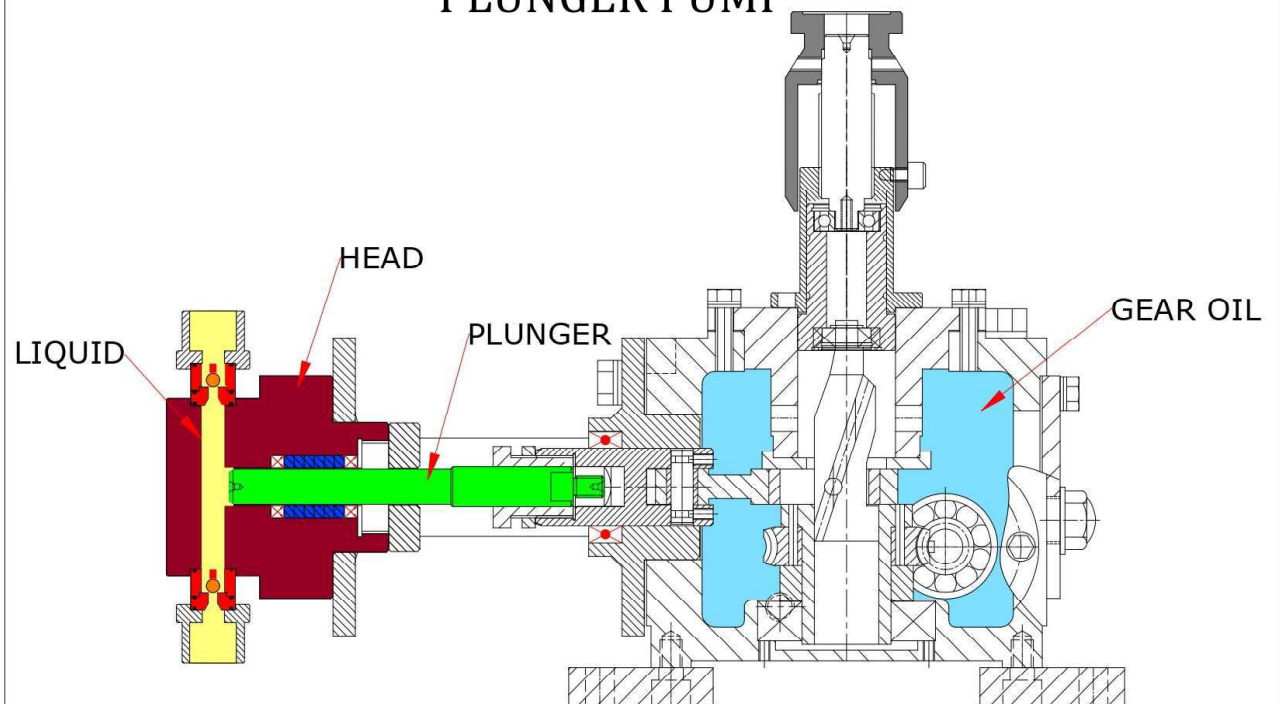
They are available in **simplex, duplex, and multi-head configurations** to facilitate the accurate dosing of different chemicals.

STROKE PER MINUTE (SPM) -

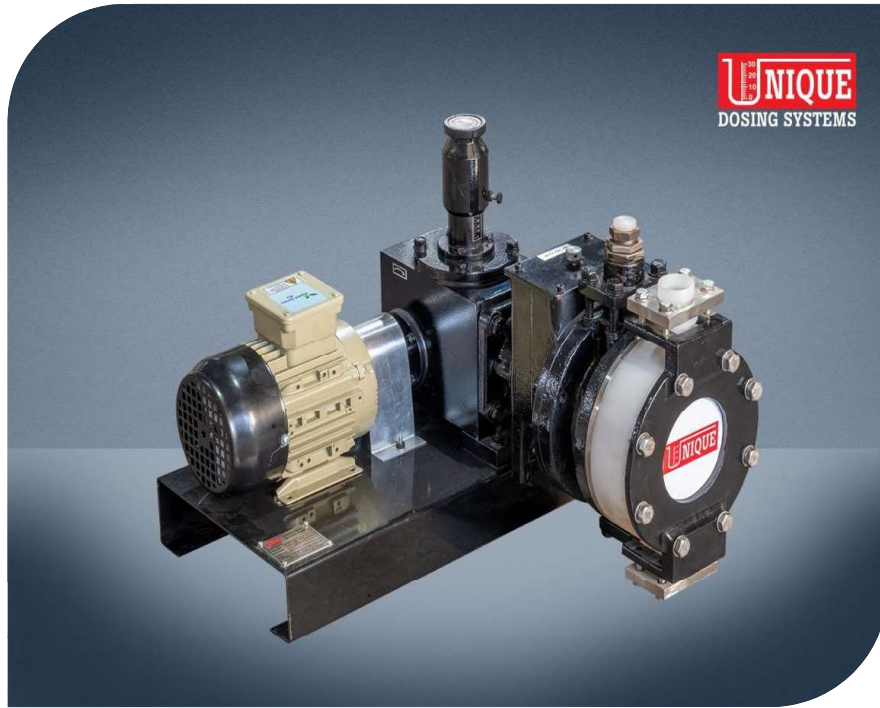
- |        |        |
|--------|--------|
| 1) 50  | 3) 100 |
| 2) 150 | 4) 200 |

## PLUNGER TYPE PUMP CROSS SECTION

### UNIQUE DOSING SYSTEMS PVT LTD. PLUNGER PUMP



## OUR PRODUCTS



## MODELS

UDH  
1010

UDH  
2020

UDH  
3535

UDH  
6060

A **Hydraulic Actuated Diaphragm Type Pump** is a heavy-duty, membrane-based pump designed for high-pressure and high-capacity applications. It uses hydraulic fluid to move a flexible diaphragm, which creates a suction and discharge cycle without direct contact between the pumped fluid and mechanical components.

This design ensures excellent chemical resistance and makes the pump ideal for handling **corrosive liquids** like **sulfuric acid** and **abrasive slurries**. Known for its **leak-free operation** and **superior suction lift** of up to **16 feet**, the pump performs reliably even under **inconsistent suction conditions**, making it suitable for demanding industrial environments.

## HYDRAULIC ACTUATED DIAPHRAGM TYPE PUMP

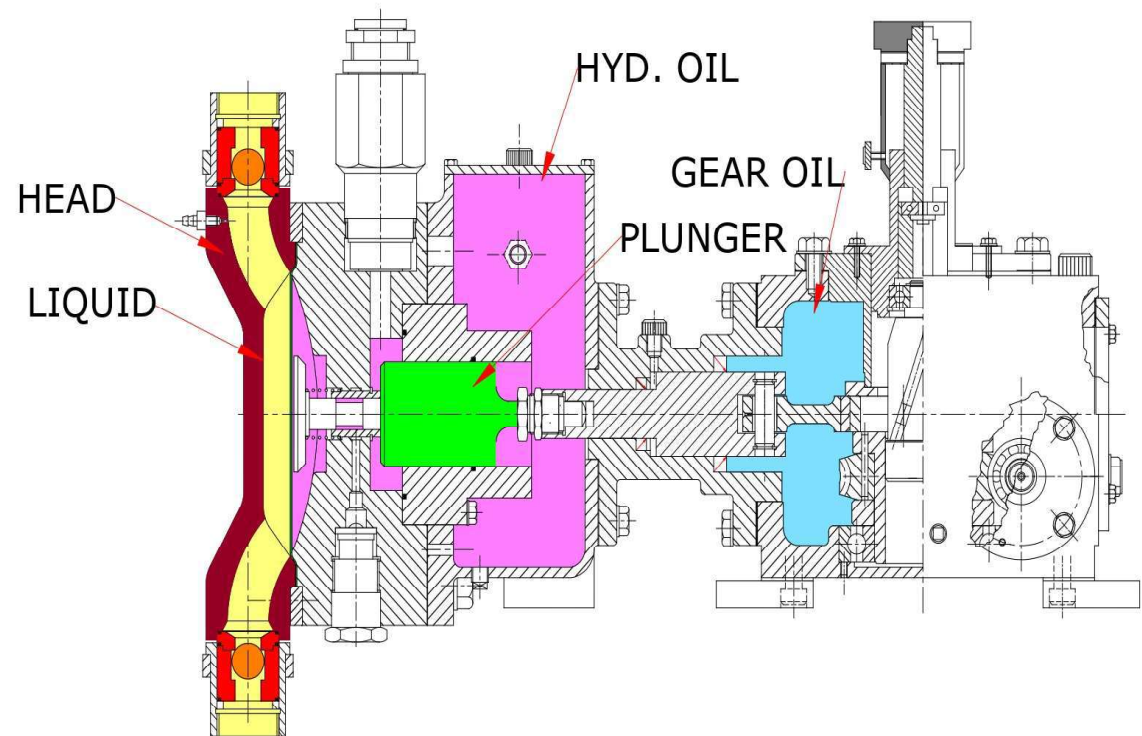
STROKE PER MINUTE (SPM) -

- |        |        |
|--------|--------|
| 1) 50  | 3) 100 |
| 2) 150 | 4) 200 |



DIAPHRAGM TYPE  
PUMP CROSS SECTION

UNIQUE DOSING SYSTEMS PVT LTD.  
HYDRAULIC DIAPHRAGM PUMP



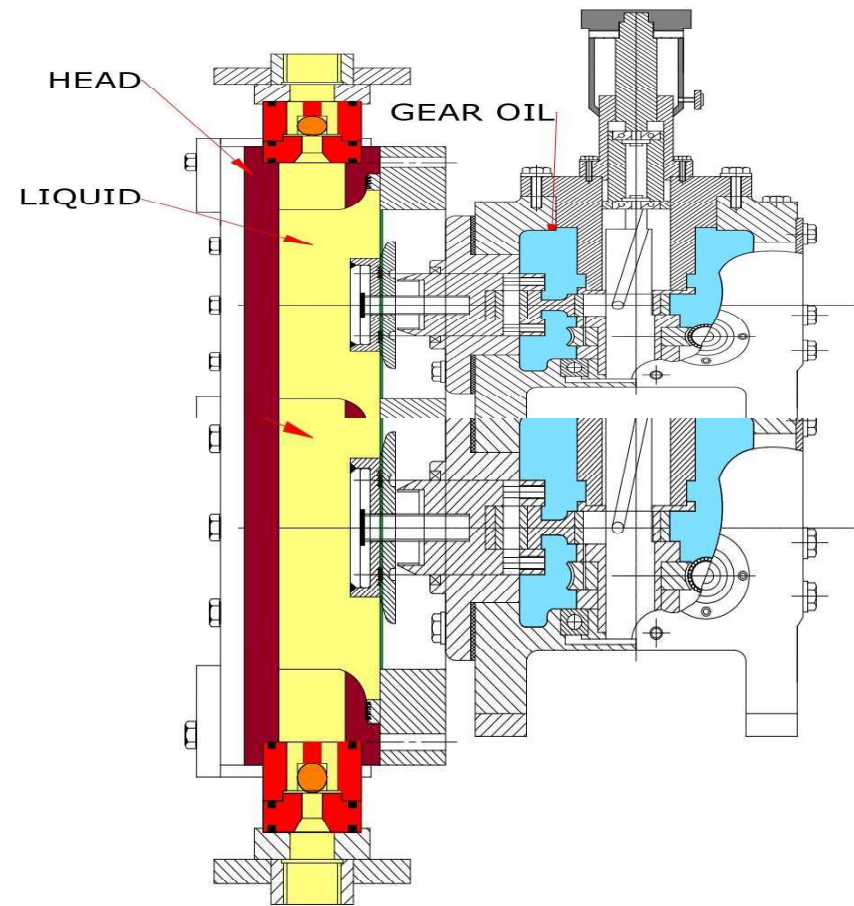
## MECHANICAL DIAPHRAGM TYPE PUMP

**Mechanical Diaphragm Type Pumps** use a mechanically driven diaphragm connected to a **worm wheel and wheel shaft** to create a reciprocating motion. This movement causes the diaphragm to flex back and forth, generating suction that draws fluid into the pump chamber through an inlet valve. During the forward stroke, the diaphragm pushes the fluid out through the outlet valve. The diaphragm also acts as a seal, preventing leaks and protecting the mechanical components from the fluid. These pumps are ideal for precise, leak-free dosing of chemicals and corrosive liquids in industrial applications.



# MECHANICAL DIAPHRAGM TYPE PUMP-CROSS SECTION

## UNIQUE DOSING SYSTEMS PVT LTD. MECHANICAL DIAPHRAGM PUMP





## GMP PUMP



## TRIPLEX DOSING PUMP

### Triplex Dosing Pumps

Triplex Dosing Pumps are motor-driven pumps renowned for delivering precise and reliable dosing solutions.

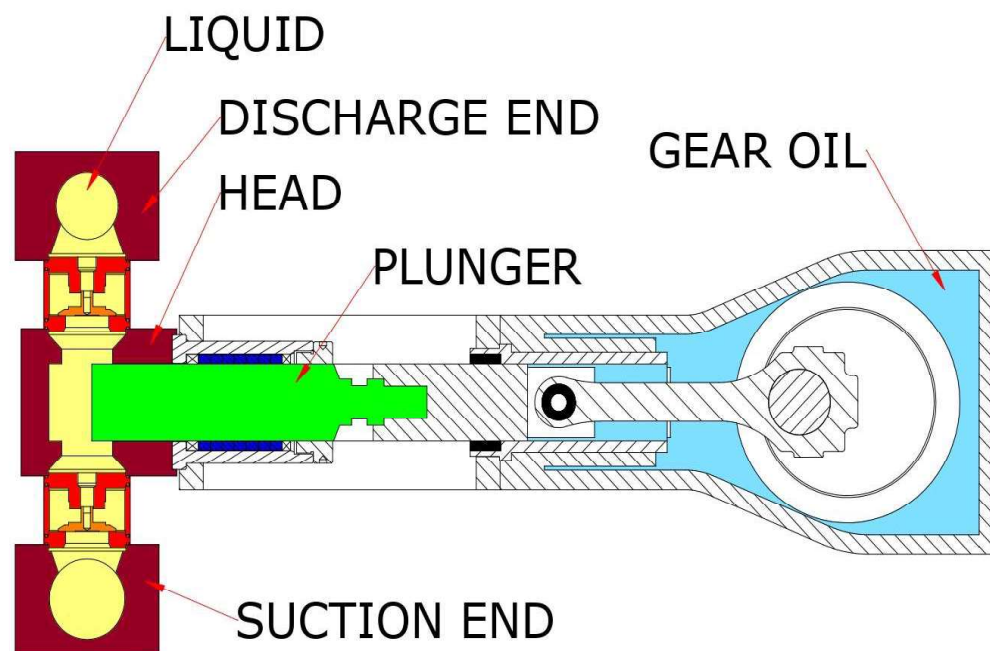
Designed in compliance with the **API 674 standard**, these pumps are widely used in various process plants and Reverse Osmosis (RO) systems.

They are available with a capacity range from **0 to 75,000 LPH** and can operate at pressures up to **400 Kg/cm<sup>2</sup>**, making them suitable for a broad range of industrial applications.



## TRIPLEX PUMP CROSS SECTION

### UNIQUE DOSING SYSTEMS PVT LTD. TRIPLEX PUMP



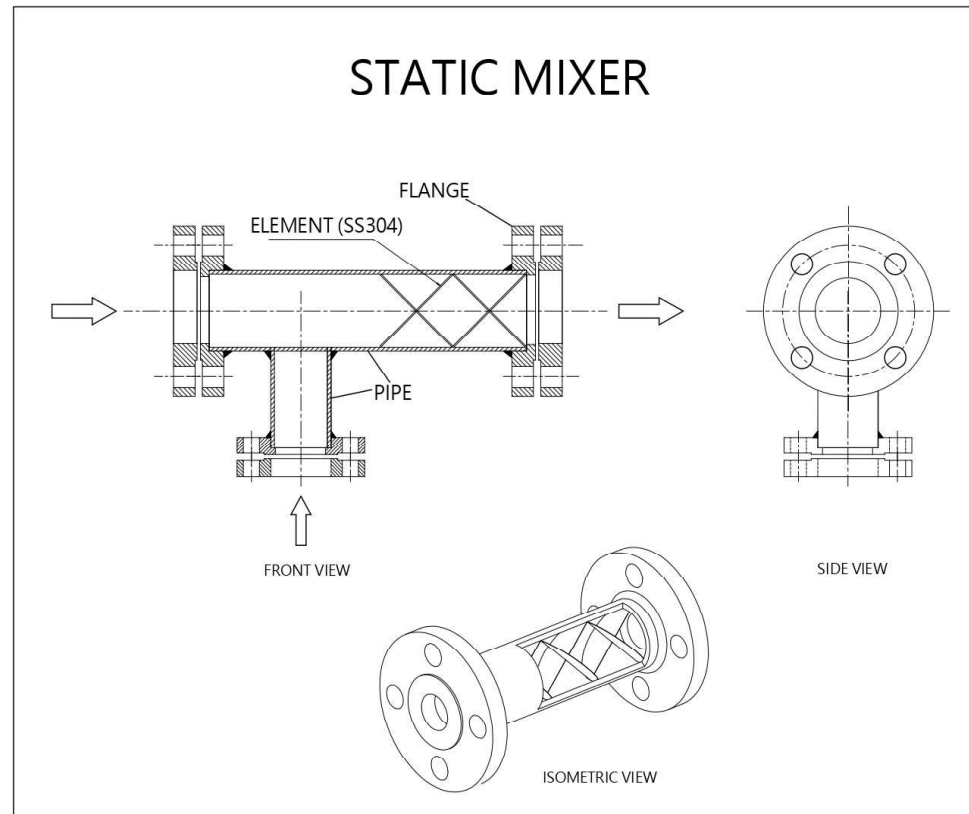


## STATIC MIXER

A **Static Mixer** is a motionless device used to blend fluids in a pipeline using fixed internal elements. These elements are arranged to create flow division, mixing, and redirection, ensuring efficient and uniform mixing without moving parts. As the fluid flows through, it is repeatedly split and recombined to achieve consistent blending. Static Mixers are commonly used in water treatment, chemical processing, food, and RO systems. Their simple design, low maintenance, and versatility make them ideal for various industrial applications.



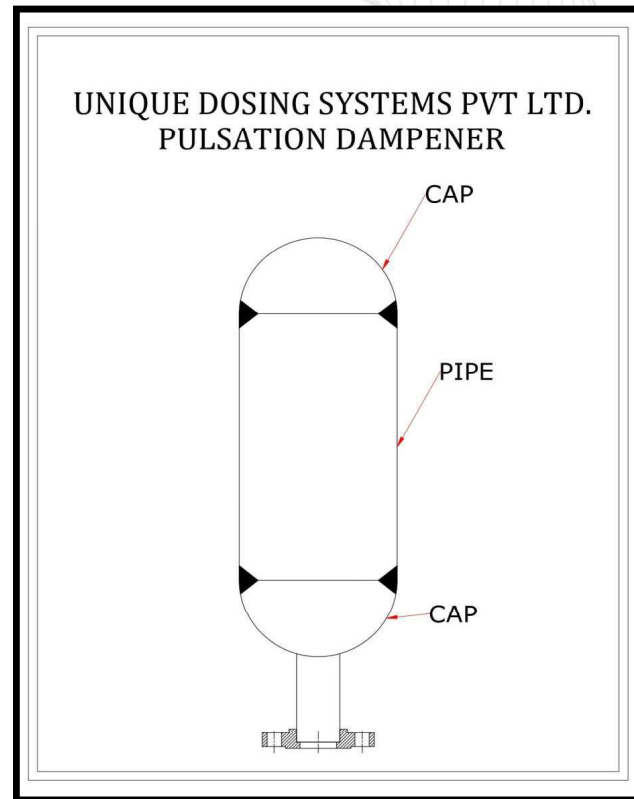
# STATIC MIXER



## PULSATION DAMPENERS- VOLUME BOTTLE TYPE



**Volume Bottle Type Pulsation Dampeners** are pressure vessels used to reduce flow and pressure pulsations in reciprocating pump systems. By absorbing pressure spikes, they help smooth the flow and protect downstream equipment. Commonly installed on the suction or discharge side of metering pumps, they enhance system performance and reliability. Their durable, maintenance-free design makes them ideal for high-pressure applications in oil & gas, chemical, and water treatment industries.



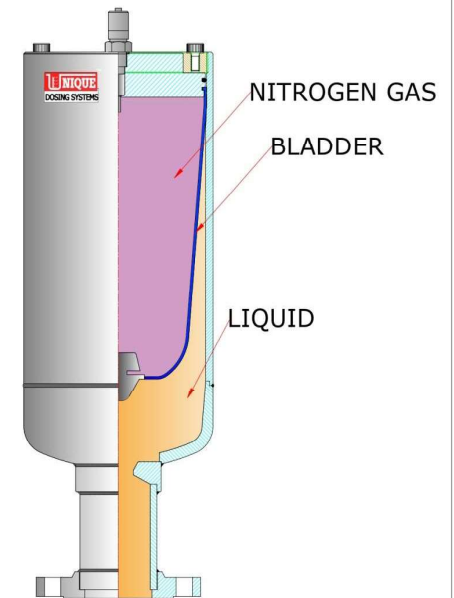


## PULSATION DAMPENERS- BLADDER TYPE



Bladder Type Pulsation Dampeners reduce pressure fluctuations in reciprocating pump systems using a flexible bladder inside a pressure vessel. The bladder expands and contracts to absorb pulsations, ensuring smooth, consistent flow. This protects piping, valves, and instruments from pressure surges and vibrations. They are commonly used in dosing, metering, and chemical injection. Compatible with various fluids and pressures, they feature a compact design, quick response, and an easy-to-replace bladder for simple maintenance.

UNIQUE DOSING SYSTEMS PVT LTD.  
BLADDER TYPE DAMPENER



## PULSATION DAMPENERS RESONATOR

A maintenance-free resonator, also known as a resonator pulsation dampener, is a robust and reliable device designed for high-pressure and high-voltage systems where minimal or zero maintenance is required. Typically installed very close to the suction (vacuum) and discharge ports—especially on API 674 or API 675 process pumps—these special shock absorbers effectively reduce pressure pulsations, ensuring smooth and stable flow. Their excellent damping performance spans a wide range of pressures and pump speeds, with functional efficiency maintained at both low and very high temperatures.

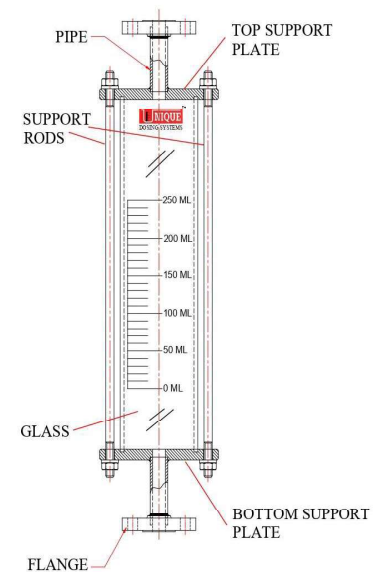


This makes them ideal for applications involving corrosive or aggressive fluids, often without the need for pre-charge pressure or wear-prone internal parts, providing a durable and cost-effective solution for demanding environments.

## CALIBRATION POT



A Calibration Pot is a precision container used to collect a known volume of fluid for verifying and calibrating flow meters and dosing pumps. It ensures accurate measurement by allowing comparison between the collected volume and the device's reading. Commonly used in chemical injection and metering systems, it helps maintain precise fluid delivery. Made from durable materials, it supports reliable and consistent calibration.





# BOILER CHEMICAL DOSING SYSTEM

A **Boiler Chemical Dosing System** is designed to automatically inject precise amounts of chemicals into boiler water to control scale, corrosion, and microbial growth. It helps maintain water quality, ensuring efficient boiler operation and prolonging equipment life. The system typically includes dosing pumps, chemical storage tanks, and control units for accurate and safe chemical delivery. Proper dosing prevents damage, improves heat transfer, and reduces maintenance costs.



# HYDRAZINE DOSING SYSTEM

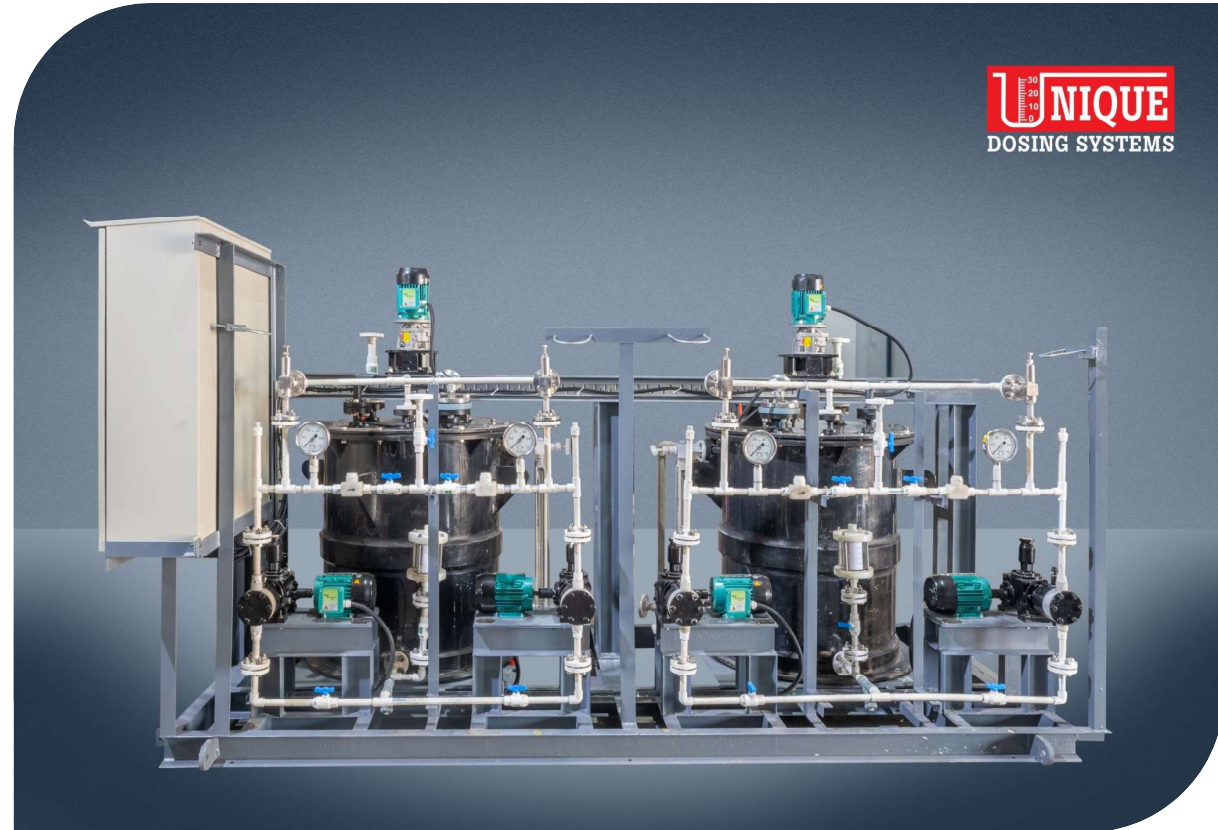
A **Hydrazine Dosing System** is used to inject controlled amounts of hydrazine into boiler or steam systems to prevent corrosion by removing dissolved oxygen. Hydrazine acts as an oxygen scavenger, protecting metal surfaces from rust and damage. The system typically includes dosing pumps, storage tanks, and control units to ensure precise and safe chemical injection. Proper hydrazine dosing helps extend equipment life and maintain efficient operation.





## SCALE & CORROSION INHIBITOR DOSING SYSTEM

A **Scale & Corrosion Inhibitor Dosing System** is designed to inject chemicals into water systems to prevent scale formation and corrosion on metal surfaces. It ensures efficient heat transfer, reduces maintenance, and extends the life of equipment such as boilers, cooling towers, and pipelines. The system includes dosing pumps, chemical tanks, and control panels for accurate and consistent dosing. Regular use helps maintain system performance and protect critical components from damage.





## CORROSION INHIBITOR DOSING SYSTEM

A **Corrosion Inhibitor Dosing System** is used to automatically inject chemicals that prevent or reduce corrosion in industrial systems like pipelines, boilers, or cooling towers. It typically includes a chemical storage tank, dosing pump, control panel, and injection point. The system monitors water flow or quality and doses the correct amount of inhibitor to protect metal surfaces from rust and degradation. This helps extend equipment life, reduce maintenance costs, and improve operational efficiency.



## BULK AMMONIA DOSING SYSTEM

A Bulk Ammonia Dosing System is used in power plants, water treatment, and flue gas systems for pH control or NO<sub>x</sub> reduction. It includes ammonia storage tanks (anhydrous or aqueous), dosing pumps, vaporizers, control panels, and safety systems. Real-time monitoring ensures precise ammonia injection into the process stream. This improves chemical efficiency and reduces excess chemical use. It helps control emissions, maintain water chemistry, and extend equipment life.





## TRI SODIUM PHOSPHATE DOSING SYSTEM

A **Tri Sodium Phosphate (TSP) Dosing System** is designed to accurately inject TSP chemicals into water or industrial systems to control alkalinity, prevent corrosion, and reduce scale formation. The system typically consists of a storage tank for TSP solution, dosing pumps, control panels, and injection points. It maintains optimal water chemistry by delivering precise doses based on real-time monitoring, helping protect equipment, enhance process efficiency, and extend system life.





## UREA WATER DOSING SYSTEM

A **Urea Water Dosing System** is used to inject a urea solution (commonly called AdBlue or DEF) into exhaust gases in Selective Catalytic Reduction (SCR) systems to reduce nitrogen oxide (NOx) emissions. The system includes a urea storage tank, dosing pump, heating and mixing units, control panel, and injection nozzle. It precisely controls urea dosing based on engine or process conditions to ensure efficient NOx reduction, helping meet environmental regulations and protect equipment.



**UNIQUE**  
DOSING SYSTEMS

## WE ARE ALSO MANUFACTURING VARIOUS TYPES OF DOSING SYSTEMS – INDUSTRY-WISE LIST

We specialize in manufacturing a wide range of **chemical dosing systems** tailored to meet the unique needs of various industries. Our systems are designed for high performance, durability, and process accuracy. Below is the **industry-wise list of dosing systems** we offer:

### **OIL & GAS INDUSTRIES**

- High-pressure Chemical Injection Systems
- Corrosion Inhibitor Dosing Systems
- Demulsifier Dosing Units
- Scale Inhibitor Dosing Systems
- Methanol & Glycol Dosing Packages
- Explosion-proof (ATEX) Skid-mounted Dosing Systems

### **PAPER & PULP INDUSTRIES**

- Retention Aid & Defoamer Dosing Systems
- Bleaching Chemical Dosing Units (Chlorine, Peroxide)
- Biocide And Slimicide Dosing Systems
- Ph And Alkali Control Dosing Units

### **PETROCHEMICAL INDUSTRIES**

- Catalyst dosing systems
- pH control dosing units
- Anti-foaming chemical dosing systems
- Polymer dosing systems
- Solvent injection systems

### **CHEMICAL INDUSTRIES**

- Acid & caustic dosing systems
- Batch & continuous chemical dosing skids
- Multi-chemical dosing systems
- Customized PLC-based chemical dosing packages
- Reactant and neutralizer dosing systems



## **FERTILIZER INDUSTRIES**

- Micronutrient and macro nutrient dosing systems
- Urea and ammonia solution dosing systems
- Trace element injection systems
- Customized fertilizer blending dosing skids

## **PHARMACEUTICAL INDUSTRIES**

- CIP (Clean-In-Place) chemical dosing systems
- Sterile water & disinfectant dosing
- Accurate batch dosing systems
- pH and conductivity-based dosing packages
- Sanitary-grade dosing skids with SS316L components

## **WATER TREATMENT PLANTS (WTP)**

- Alum and coagulant dosing systems
- Lime/slurry dosing packages
- pH correction dosing units
- Disinfectant dosing (chlorine, sodium hypochlorite)
- Antiscalant and corrosion inhibitor dosing

## **EFFLUENT / SEWAGE TREATMENT PLANTS (ETP/STP)**

- Polymer preparation and dosing systems
- Sludge conditioner dosing units
- pH neutralization dosing systems
- Deodorizer and odor control chemical dosing
- Chlorine/bleach dosing for treated water

## **TEXTILE INDUSTRIES**

- Dye fixing chemical dosing systems
- Desizing agent and softener dosing units
- Acid/alkali dosing skids
- Bleaching chemical dosing systems
- Wastewater treatment chemical dosing

## **FOOD & BEVERAGE INDUSTRIES**

- CIP chemical dosing skids
- Sanitizer and disinfectant dosing units
- pH control and preservative dosing systems
- Nutrient and additive dosing systems
- Food-grade hygienic design dosing packages



## **COSMETIC INDUSTRIES**

- Fragrance and preservative dosing units
- Emulsifier and pH balancing dosing systems
- CIP/SIP dosing packages
- Batch formulation dosing skids

## **POWER GENERATION PLANTS**

- Boiler water chemical dosing systems (oxygen scavenger, phosphate, etc.)
- Cooling tower dosing systems
- Condensate treatment chemical injection
- Acid/alkali dosing for pH balance

## **WASTE MANAGEMENT & RECYCLING**

- Odor control chemical dosing systems
- Leachate treatment dosing packages
- Neutralizer and coagulation chemical dosing units
- Bio-enzymatic dosing systems

## **STEEL & METALLURGICAL INDUSTRIES**

- Coolant & lubricant dosing systems
- Water treatment chemical dosing for cooling and quenching
- Corrosion inhibitor dosing
- Descaling chemical dosing systems

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## **STEEL & METALLURGICAL INDUSTRIES**

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- Descaling chemical dosing systems

## **MINING & MINERAL PROCESSING**

- Flotation chemical dosing (collectors, frothers)
- Slurry conditioning & pH modifier dosing
- Cyanide & reagent dosing systems
- Coagulant & flocculant dosing for wastewater

## **DAIRY INDUSTRIES**

- CIP (clean-in-place) chemical dosing systems
- Sanitizer & disinfectant dosing units
- Food-grade additive dosing
- Waste treatment dosing skids

## **BREWERIES & DISTILLERIES**

- Yeast, enzyme & additive dosing systems
- Cleaning agent dosing (CIP/SIP)
- Fermentation process dosing systems
- ETP dosing packages

## **PLASTIC & POLYMER INDUSTRIES**

- Colorant & additive dosing systems
- Cooling water treatment dosing
- Surface treatment chemical dosing
- Polymerization chemical dosing skids

## **ELECTRONICS & SEMICONDUCTOR INDUSTRIES**

- Ultra-pure water chemical dosing
- Cleanroom CIP dosing systems
- Etching chemical dosing units
- Neutralizer & pH control dosing

## **Agriculture & Irrigation Systems**

- Fertilizer & nutrient dosing units
- Pesticide & micro-nutrient dosing systems
- Automatic fertigation skids
- pH correction dosing for greenhouse systems

## **PAINT & COATING INDUSTRIES**

- Pigment dosing systems
- Surfactant & binder dosing
- Cleaning solvent dosing (CIP)
- Process water treatment dosing

## **BOILER APPLICATIONS**

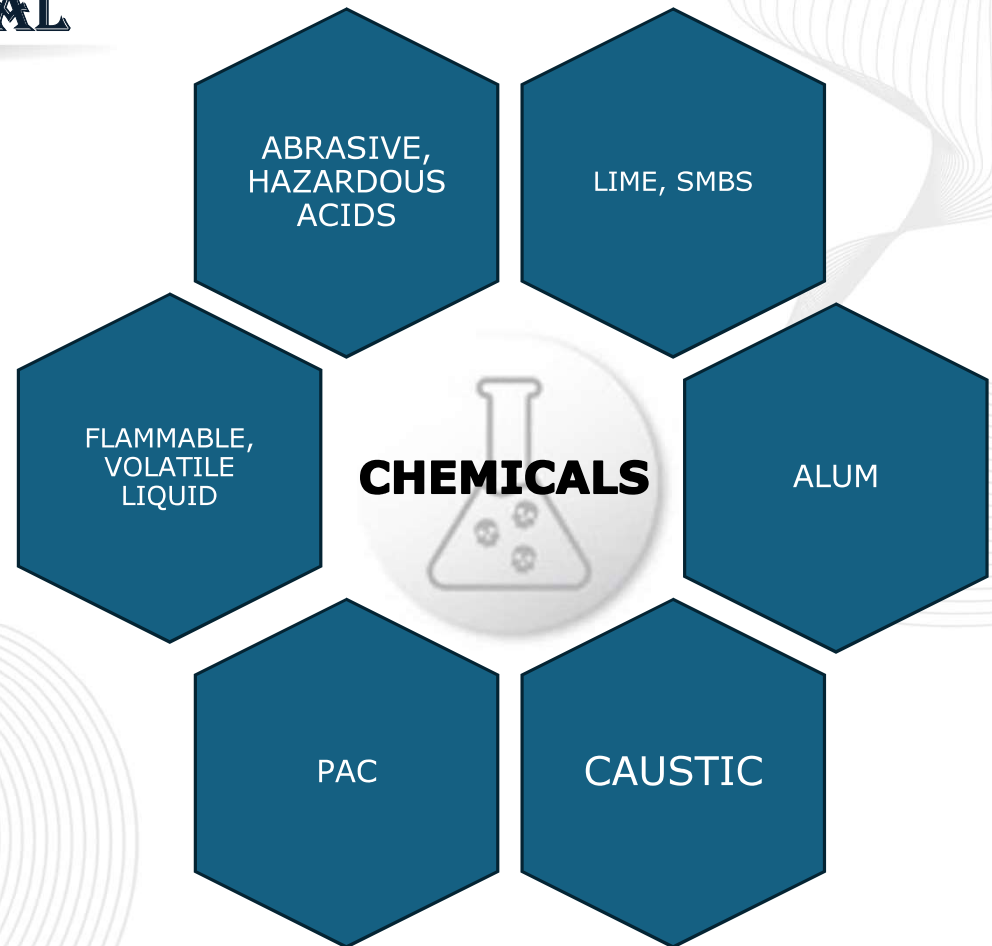
- Oxygen scavenger dosing
- Phosphate & polymer dosing systems
- Condensate treatment dosing units
- Blowdown water chemical dosing



## PUMP TYPE BASED ON CHEMICAL

### DOSING PUMP

#### 1) DIAPHRAGM TYPE PUMP

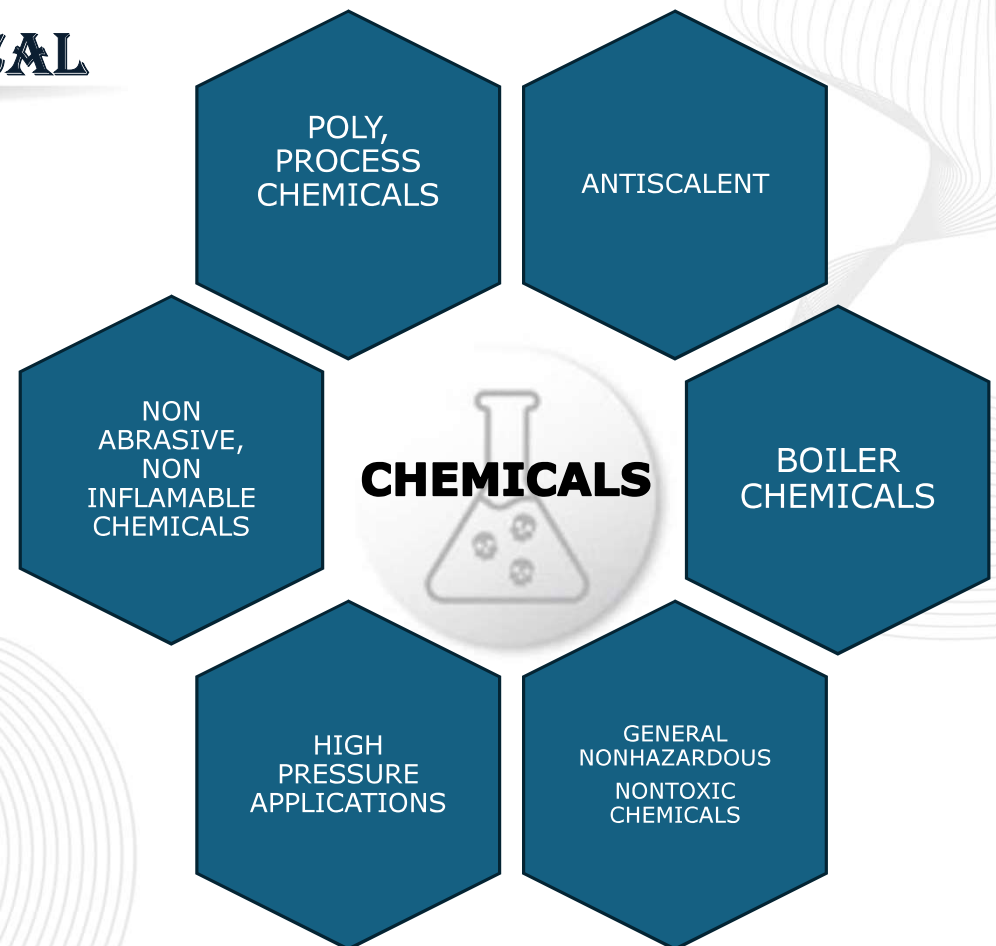




## **PUMP TYPE BASED ON CHEMICAL**

### **DOSING PUMP**

#### **2) PLUNGER PUMP**



# PROUD TO SERVE THESE COMPANIES

UNIQUE  
DOSING SYSTEMS



**SASA**  
POLYESTER SAN. A.S.



**JINDAL**  
STEEL & POWER

**ESSAR**  
OIL & GAS



**एनटीपीसी**  
**NTPC**  
A Maharatna Company



**YASH**  
papers  
pack it RIGHT



**Reliance**  
Industries Limited



GREENZO ENERGY INDIA LIMITED  
ISO 9001-14001

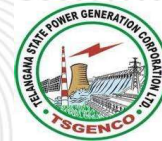


**TATA**  
TATA CHEMICALS

**HINDUSTAN ORGANIC**  
CHEMICALS LIMITED  
(A Govt. India Enterprise)



**SML Limited**  
(Formerly Sulphur Mills Limited)



**DCM SHRIRAM**  
Growing with trust



**GOEL IMPEX**



**AzerEnerji**



**JYOTI**  
Hydrotech Pvt. Ltd.

**Oil India Limited**



**UNITY FABRICATORS**



**Reliance**  
Industries Limited  
Growth is Life

## OUR INTERNATIONAL NETWORK & GLOBAL CLIENTS



AZERBAIJAN



NIGERIA



QATAR



SAUDI ARABIA



ZIMBABWE



UAE



EGYPT



TUNISIA



MALAYSIA



TURKEY



INDONESIA



KENYA



TANZANIA



VIETNAM



ETHIOPIA



USA



OMAN





**THANK YOU**