

CALLIBRATION POT



Key Features

- Compact, modular design for easy installation and maintenance
- Robust construction ensures durability and longevity
- Precise calibration control through advanced instrumentation
- Customizable to meet specific application requirements
- Compliance with international standards (ISO, ASME, etc.)

Technical Specifications

- Material options: Stainless Steel, Carbon Steel, PVC, etc.
- Pressure rating: up to 100 bar (1450 psi)
- Temperature rating: -200°C to 500°C (-330°F to 932°F)
- Calibration range: 0-100% (adjustable)
- Accuracy: ±0.1-0.5% (dependent on instrument)

Benefits

- Accurate calibration of level instruments
- Reduced maintenance and downtime
- Compliance with regulatory standards
- Enhanced system reliability and efficiency
- Improved measurement precision

Applications

- Chemical processing plants
- Power generation plants
- Pharmaceutical industries
- Oil and gas industries
- Water treatment facilities
- Food and beverage processing

INDUSTRIAL AGITATOR



Introduction: Rudraksha Engineering designs and manufactures high-quality industrial agitators for various industries, ensuring efficient mixing, blending, and processing of liquids, solids, and gases.

Key Features:

1. Robust Construction: Durable materials, sturdy design for long-lasting performance.
2. Customizable: Tailored to meet specific industry requirements.
3. Efficient Mixing: Optimized impeller design for uniform blending.
4. Low Maintenance: Easy-to-replace parts, minimal downtime.
5. Variable Speed: Adjustable speed control for precise process control.

Applications:

1. Chemical Processing
2. Water Treatment
3. Pharmaceutical
4. Food and Beverage
5. Oil and Gas
6. Paper and Pulp
7. Cosmetic

Benefits:

1. Improved Product Quality
2. Increased Efficiency
3. Reduced Energy Consumption
4. Enhanced Process Control
5. Extended Equipment Life

Types of Agitators:

1. Top Entry Agitators
2. Side Entry Agitators
3. Bottom Entry Agitators
4. Portable Agitators
5. Tank Mixers

Technical Specifications:

1. Power: 0.5 HP to 50 HP
2. Speed: 10 RPM to 500 RPM
3. Impeller Diameter: 100 mm to 3000 mm
4. Tank Size: 100 liters to 100,000 liters
5. Materials: Stainless Steel, Carbon Steel, FRP



RUDRAKSHA ENGINEERING

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We
build
what you
want



RUDRAKSHA ENGINEERING

is an accomplished manufacturer of various dosing systems- Bladder type Pulsation Dampener, Volumetric Dampener, Manual Polymer Dosing System, Automatic Polymer Dosing System, established in the year 2019.

www.rudrakshaeng.co.in

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OUR MISSION

Along with aiming for high revenues and portfolio expansion, we are continuously aiming at providing cost effective solutions to our customers. We intend to this by putting in practice ecofriendly methods whilst using advanced techniques that maximize overall system effectiveness. We, experts in water and wastewater treatment, have a team of experts dedicated to bring about change in how various industries look at water processing and its utilization. With more than 16 years of deep thinking in this industry, we are recognized as one of the pioneers offering various solutions in this field. To Facilitate our clients with the best, we have in-house facilities and a state-of-the-art manufacturing unit that helps us to deliver exceptional quality products that are recognized all around the globe

OUR VISION

Emerging as a most potent and reliable company of integrated water & wastewater solutions. Our vision of "creating a vivid, optimistic future, together" is a message to our employees, clients & all industries that we are more than a premise, collection of projects & contracts.

CORE COMPETENCIES

Driven by Innovation: As a brand we believe in the power of knowledge. That is why we invest resources to make sure we develop ground breaking solutions for our clients.

Radical Outlook : Our unique approach and design methodologies help us produce outstanding results whilst maintaining cost effectiveness and superior built.

Brilliant Team : We believe in the power of teamwork.

Exceptional Products & Services : We provides remarkable machines & equipment and also round-the-clock service and assistance for a hassle-free engagement and experience.

AUTO FLOCCULANT DOSING SYSTEM



Description : Rudraksha Engineering specializes in designing and manufacturing high-quality Auto Flocculant Dosing Systems, ensuring precise and efficient dosing for optimal water treatment. Our systems are engineered to provide:

Key Features:

1. Accurate dosing with $\pm 1\%$ accuracy
2. Automated process control for consistent performance
3. Adjustable dosing rates for varying water conditions
4. Real-time monitoring and alarm systems
5. Robust construction with corrosion-resistant materials
6. PLC/SCADA-based control system for seamless integration
7. Customizable designs to meet specific plant requirements

Benefits :

1. Improved water quality and treatment efficiency
2. Reduced chemical consumption and costs
3. Minimized maintenance and downtime
4. Enhanced process control and monitoring
5. Compliance with regulatory standards

System Components:

1. Dosing Tank
2. Dosing Pump
3. Control Panel
4. Sensors (pH, Turbidity, Flow)
5. Automation System (PLC/SCADA)
6. Valves (Ball, Needle, or Globe)
7. Piping and Fittings

MANUAL POLYMER DOSING SYSTEM



Rudraksha Engineering is a leading manufacturer of high-quality manual polymer dosing systems, designed to deliver exceptional performance and reliability.

Key Features:

- Robust construction ensuring durability and longevity
- Precise dosing control for optimal polymer utilization
- Compact design for easy installation and maintenance
- Corrosion-resistant materials for harsh environments
- Customizable to meet specific application requirements

Benefits:

- Accurate dosing for consistent water treatment outcomes
- Reduced polymer consumption through optimized dosing
- Minimal maintenance and downtime
- Enhanced system efficiency and productivity
- Compliance with regulatory standards

Applications:

- Water treatment plants
- Wastewater treatment facilities
- Industrial processes (paper, textile, etc.)
- Municipal water supply systems
- Chemical processing industries

Why Choose Rudraksha Engineering:

- Proven track record of delivering high-performance systems
- Expertise in custom solutions for unique applications
- Timely delivery and responsive customer support
- Competitive pricing without compromising quality.

BLADDER TYPE PULSATION DAMPENER



Introduction : Pulsation dampeners are critical components in piping systems, mitigating pulsations and vibrations caused by reciprocating pumps, compressors, and other equipment. Our bladder type pulsation dampeners ensure reliable operation, reduced maintenance, and increased system efficiency.

Key Features

- Compact, lightweight design for easy installation
- Durable bladder material (rubber, Teflon, or custom)
- Robust construction ensures durability and longevity
- Customizable to meet specific application requirements
- Compliance with international standards (API, ASME, etc.)

Benefits

- Effective pulsation and vibration control
- Reduced noise levels
- Increased system efficiency and productivity
- Minimized maintenance and downtime
- Enhanced safety and reliability

Applications

- Chemical processing plants
- Oil and gas industries
- Power generation plants
- Water treatment facilities
- Pulp and paper mills
- Pharmaceutical industries

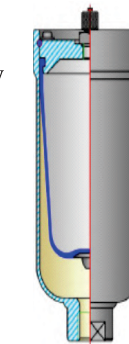
Design and Components

Housing: The outer casing, available in stainless steel or carbon steel, provides robust protection and durability, suitable for various industrial environments.

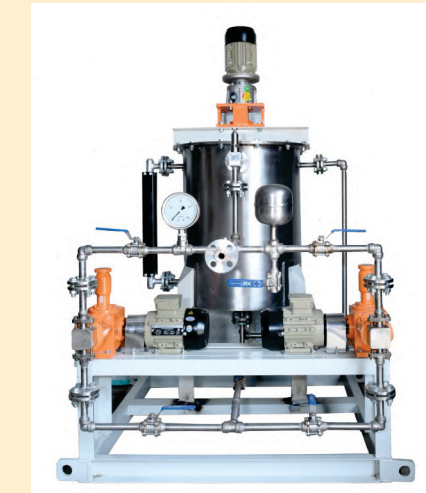
Bladder: Made from high-quality elastomeric materials like Nitrile, EPDM, or Viton, the bladder flexes to absorb pressure changes effectively.

Pre-Charged Gas: Typically, nitrogen, the gas inside the bladder acts as a cushion, compressing and expanding to dampen pressure fluctuations.

Fluid Inlet/Outlet: Connection points where the fluid enters and exits the dampener, designed for easy integration with existing systems.



LP/HP DOSING SKID



About Rudraksha Engineering's LP/HP Dosing Skids

Rudraksha Engineering designs and manufactures high-quality, high-performance Low-Pressure (LP) and High-Pressure (HP) Dosing Skids for precise chemical dosing applications.

Key Features

- Compact, modular design for easy installation and maintenance
- Corrosion-resistant materials (SS, PVC, etc.) for harsh environments
- Precise dosing control through advanced instrumentation
- Customizable to meet specific application requirements
- Compliance with international standards (API, ASME, etc.)

Applications

- Water treatment plants
- Wastewater treatment facilities
- Oil and gas industries
- Chemical processing plants
- Power generation plants
- Pharmaceutical industries

Components of LP Dosing Skid:

1. Tank: Stainless Steel or PVC, with capacities ranging from 50-1000 liters
2. Pump: Diaphragm or Plunger, with flow rates up to 1000 l/h
3. Dosing Controller: Electronic or Pneumatic, with $\pm 1\%$ accuracy
4. Valves: Ball, Needle, or Globe valves for precise control
5. Piping: Stainless Steel or PVC, with sizes ranging from 1/2" to 2"
6. Fittings: Tees, Elbows, and Couplings for secure connections
7. Instruments: Pressure gauges, flow meters, and level sensors
8. Electrical Panel: With motor starter, control transformer, and protection devices

TUBULAR TYPE LEVEL GAUGE

Introduction : Tubular Type Level Gauge is a reliable and accurate liquid level measurement device designed for various industrial applications. Our level gauges are manufactured with high-quality materials and engineered to provide precise liquid level indication.

Key Features

1. Tubular design for clear visibility
2. Accurate liquid level measurement
3. Robust construction ensures durability
4. Customizable to meet specific application requirements
5. Compliance with international standards (ASME, API, etc.)

Applications

1. Chemical Processing Plants
2. Oil and Gas Industries
3. Power Generation Plants
4. Water Treatment Facilities
5. Pharmaceutical Industries
6. Food and Beverage Processing

