POONAM ENGINEERS

"Trusted Engineering Solutions Since 1992"

Powering Industries With Reliable Solutions

Pump • Valves • Gear Boxes • Pneumatic Products
• Mechanical Seals • Rubber Products • Shafts & Sleeves
Rotary Pressure Joints • Impeller for Pumps
High-Speed Industrial Stirrers
Jigger Machine • Industrial Spares

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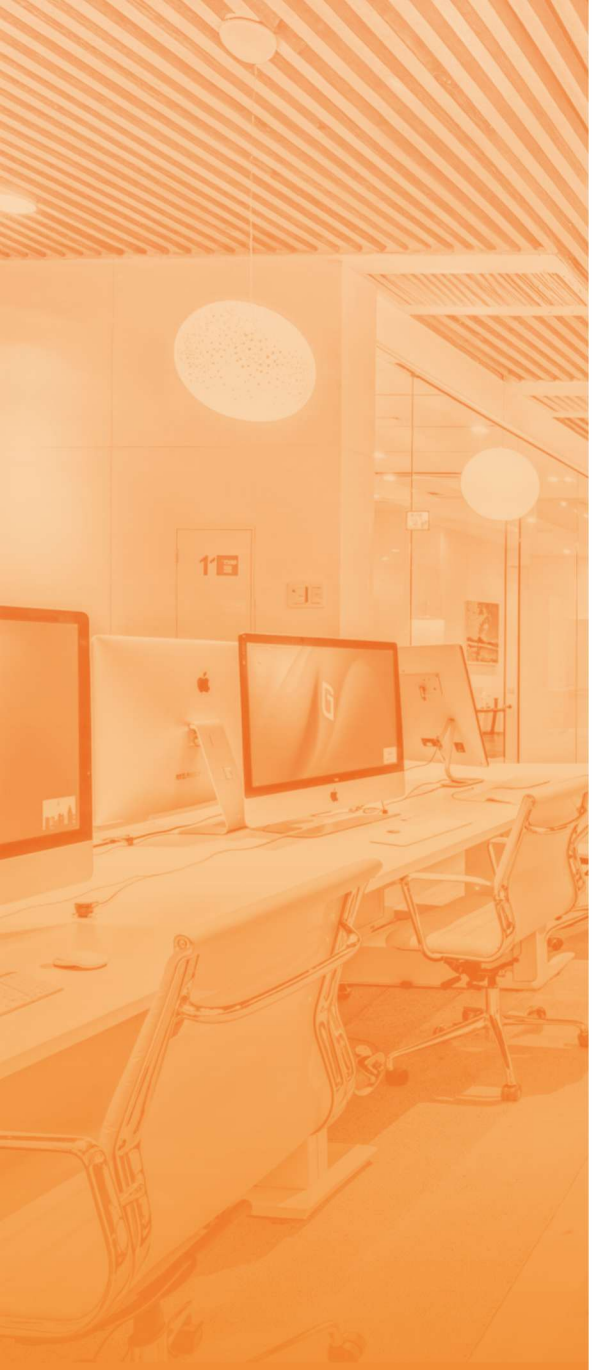

"Trusted Engineering Solutions Since 1992"

Poonam Engineers, established in 1992 in Narol, Ahmedabad, is a trusted name in the field of industrial engineering solutions. Starting with servicing textile machinery parts, the company has grown into a leading manufacturer and supplier of pumps, valves, pneumatic products, gearboxes, mechanical seals, and engineering spares.

With more than 30 years of expertise, we serve diverse industries including textile, chemical, pharmaceutical, and process plants, offering both standard and customized solutions. Our product range covers centrifugal pumps, boiler feed pumps, pneumatic cylinders, solenoid valves, SS ball valves, gearboxes, rubber and polymer products, rotary pressure joints, impellers, and high-speed industrial stirrers.

Along with manufacturing, we also specialize in repairing pumps, valves, cylinders, gearboxes, stirrers, and industrial vessels. Backed by a team of skilled engineers and state-of-the-art facilities, we ensure durable, cost-effective, and high-performance solutions.

Our strength lies in deep product knowledge, technical innovation, and a customer-first approach, which has enabled us to achieve consistent growth of 15% every year since 2005. At Poonam Engineers, our mission is simple – to provide quality products and reliable services that ensure 100% customer satisfaction.

Powering Industries With Reliable Solutions

- Pump
- Valves
- Gear Boxes
- Pneumatic Products
- Mechanical Seals
- Rubber Products
- Shafts & Sleeves
- Rotary Pressure Joints
- Impeller for Pumps
- High-Speed Industrial Stirrers
- Jigger Machine
- Industrial Spares

POONAM ENGINEERS

Quality Never Sacrifice

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POONAM ENGINEERS

CONTENT

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POONAM ENGINEERS

01. PUMP

PUMPS

Centrifugal Pumps

Our Centrifugal Process Pumps are engineered for reliable and efficient transfer of liquids across various industrial processes. Designed with precision, these pumps ensure smooth operation, high efficiency, and minimal maintenance. Suitable for chemical, pharmaceutical, food processing, and water treatment industries, they handle a wide range of fluids, including corrosive and abrasive liquids. Built with durable materials and advanced engineering, our centrifugal pumps provide long-lasting performance, reduced energy consumption, and superior operational reliability.

"Centrifugal Process Pumps" in Back Pull-out Construction , Horizontal, Foot Mounted, Single stage, End suction and Top Centerline Discharge, confirming to DIN 24256 / ISO 2858, standards and in general confirming to API 610 as well.

Process Pump Applications:

Industries	Services
Chemicals, Dyes & Intermediates	Organic/inorganic Chemicals
Oil Extraction And Waste Oil Refineries	Hydrocarbons / Volatile Liquids
Bulk Drugs & Pharmaceuticals	Dyes & Intermediates
Effluent Treatment Plants	Water Treatment & Distribution System
Heating & Air Conditioning Plants	Thermic Fluid / Hot Oil
Cooling Towers	Corrosive / Abbrasive Liquids

Construction Options for Centrifugal Process Pumps:

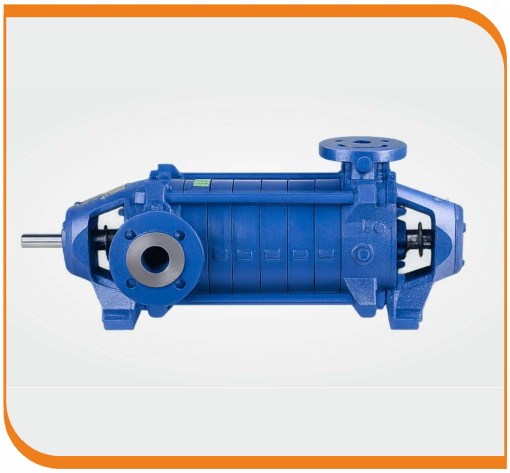
- AS PER ASTM / DIN STANDARDS
- GRADED GREY CAST IRON
- CARBON STEEL(WCB) / ALLOY STEEL
- CF8, CF8M, SS316L,SS304,ALLOY 20, CD4MCu
- GUN METAL / BRONZE

Operating Range for Centrifugal Process Pumps:

Capacity - Q - up to	400 M^3/hr.
TDH - H - up to	140 MLC
Speed - n -	960 / 1450 / 2900 rpm
Temperature	-10 °C to +250 °C
Working Pressure	40 Bars
Pump sizes - DN -	32 mm to 100 mm

PUMPS

Boiler Feed Pumps



Our Boiler Feed Pumps are engineered to deliver consistent and reliable water flow to boilers, supporting efficient steam generation in power plants, industrial heating systems, and process industries. Built with high-quality materials and precision engineering, these pumps withstand high pressure and temperature conditions while ensuring minimal maintenance. With options for single-stage and multi-stage configurations, our boiler feed pumps provide optimal performance, energy efficiency, and long-term reliability. They are ideal for applications requiring precise water delivery, pressure control, and safe boiler operation.

Mud Pumps

Our mud pumps are engineered to handle abrasive fluids and slurry for mining, construction, and drilling applications, ensuring efficiency and durability.

Self priming pumps with foot-mounting & back pullout arrangement. The adoption of semi-open impeller permits its employment for pumping muddy liquids. Variey of MOC & constructional features can be adopted to suit the applications.

Constructional Optional for Centrifugal Mud Pumps:

Shaft sealing arrangement such as mech. seal with suitable API plans & various type of gland packings with / without flushing arrangement suitable to applications available. Bearing arrangments suitable to applications available.

Material Of Construction For Centrifugal Self Priming Mud Pumps:

- GRADED GREY CAST IRON
- CF8, CF8M
- CARBON STEEL(WCB) / ALLOY STEEL
- GUN METAL / BRONZE

Operating Range For Centrifugal Self Priming Mud Pumps:

Maximum flow capacity up to	125 m3/hr
Maximum total differential head upto	45 MLC
Maximum temperature	150 °C
Maximum operating pressure upto	24 bars

Application Of Centrifugal Self Priming Mud Pumps:

Petrochem, Fertilizers, Pharmaceuticals industries, Bulk drugs Food Processing / Starch / Paper / Sugar plants, Edible / Castor Oil Refineries, Thermic Fluid Circulation, Fatty Acid distillation Plant etc.

Thermic Fluid Pumps

Our Thermic Fluid Pumps are engineered for optimal performance in high-temperature heat transfer applications. They provide consistent flow and pressure for thermic fluids in heating systems, chemical processing, and industrial manufacturing processes. Constructed with high-quality materials, these pumps ensure durability, energy efficiency, and minimal maintenance. Designed to handle various viscosities and temperatures, they maintain system reliability and safety while enhancing operational efficiency. Ideal for industries requiring precise thermal management, our thermic fluid pumps are a dependable choice for long-term performance.

Horizontal, end suction, centrifugal, radially split, volute casing process pumps in back-pull-out design, fitted with a radial impeller.

Products Application

Industries	Services
Chemicals, Dyes & Intermediates	Thermic Fluid / Hot Oil
Oil Extraction And Waste Oil Refineries	
Bulk Drugs & Pharmaceuticals	
Thermic Fluid Heating Systems	

Constructional Options :

1. Offered with Closed Impeller.
2. Impellers are provided either with Back Vane to minimize Axial Thrust and Gland Leakage.
3. Flange Rating PN 16 and drilled to DIN standard to meet ISO 2858 requirements.
4. Shaft Sealing by, Moulded Graphite Rings.(GRAFOIL PACKING)
5. Mechanical Seals (SINGLE SPRING / METALLIC BELLOW).
6. Jacketing for Cooling offered for S/Box, Casing Pedestal and Bearing- Housing,

Material Of Construction :

AS PER ASTM / DIN STANDARDS :- CARBON STEEL(WCB) / ALLOY STEEL

Operating Range :

Capacity - Q - up to	250 M^3/hr.
TDH - H - up to	95 MLC
Speed - n -	960 / 1450 / 2900 rpm
Temperature	350 °C
Working Pressure	15 Bars
Pump sizes - DN -	32 mm to 100 mm

PUMPS

Vertical Feed Pump

Poonam Engineering vertical feed pumps provide efficient fluid transfer in industrial systems, ensuring smooth operation and long-lasting performance. Ideal for boiler feed, cooling, and chemical process applications, these pumps are built for durability and consistent output.

Centrifugal Water Pumps

Our Centrifugal Water Pumps are engineered to deliver smooth, efficient, and reliable water flow for a wide range of applications. Ideal for industrial processes, irrigation systems, water supply networks, and building services, these pumps ensure high performance with minimal maintenance. Made from high-quality materials and precision-engineered components, they provide durability, energy efficiency, and long-lasting operation. With options for single-stage and multi-stage designs, our centrifugal water pumps are suitable for low to high-pressure applications, ensuring optimal water circulation and dependable performance.

"Centrifugal Water Pumps in Back Pull-out Construction , Horizontal, Foot Mounted, , End suction and Top Centerline Discharge."

Constructional Options :

1. Offered with Closed Impeller.
2. Impellers are provided either with Back Vane or Back Wear Ring to minimize Axial Thrust and Gland Leakage.
3. Flange Rating PN 16 and drilled to DIN standards.
4. Shaft Sealing by Gland Packing (ASB. / NON ASB. depending on the service.)

Materials Of Construction :

1 . GRADED GREY CAST IRON WITH CI / Br. IMPELLER

2. GUN METAL / BRONZE

Operating Range :

Capacity - Q - up to	200 M^3/hr.
TDH - H - up to	140 MLC
Speed - n -	960 / 1450 / 2900 rpm
Temperature	120 °C
Working Pressure	15 Bars
Pump sizes - DN -	32 mm to 100 mm

PUMPS

Gear Pumps

Our Gear Pumps are engineered for reliable, smooth, and efficient transfer of various fluids, including oils, chemicals, and viscous liquids. Designed with high-quality materials and precision machining, these pumps deliver consistent flow, high pressure, and long-lasting performance. Suitable for industrial, chemical, lubrication, and hydraulic applications, gear pumps ensure minimal pulsation, excellent volumetric efficiency, and low maintenance requirements. Available in multiple sizes and configurations, they meet diverse operational demands while ensuring energy efficiency and operational reliability.

Vertical Circulation Pump

Our vertical circulation pumps are engineered to deliver reliable and consistent fluid circulation in demanding industrial environments. Designed with a compact vertical structure, these pumps are ideal for applications where space optimization and continuous operation are critical. Manufactured using high-quality materials and precision engineering, vertical circulation pumps ensure high efficiency, low maintenance, and long service life. They are widely used in thermic fluid systems, chemical processing plants, textile industries, heating and cooling systems, and various process applications requiring steady fluid circulation.

POONAM ENGINEERS

02. Valve

VALVES

Pneumatic Cylinder Control Valve

Our Pneumatic Cylinder Control Valves are designed to regulate the flow and direction of compressed air in pneumatic cylinders, ensuring precise, smooth, and efficient operation. Ideal for industrial automation, machinery, and process control applications, these valves provide reliable performance, quick response, and long-lasting durability. Manufactured with high-quality materials and advanced engineering, they withstand high pressures and continuous operation while minimizing leakage and wear. These control valves are essential for optimizing pneumatic systems, enhancing productivity, and maintaining consistent performance in demanding industrial environments.

S.S. Bar Stock Ball Valve

Our S.S. Bar Stock Ball Valves are precision-engineered from solid stainless steel, ensuring exceptional strength, durability, and corrosion resistance. Ideal for handling water, oil, gas, and chemical media, these valves provide smooth operation, leak-proof performance, and long service life. Their robust construction allows them to withstand high pressure and temperature conditions, making them suitable for demanding industrial environments. Easy to install and maintain, S.S. Bar Stock Ball Valves are a preferred choice for industries requiring reliable and high-performance flow control solutions.

Butterfly Valve

Poonam Engineering butterfly valves provide reliable operation and accurate flow regulation in industrial pipelines. Designed for durability and ease of maintenance, they are suitable for water, chemical, and process industries.

Steam Globe Valve

Poonam Engineering steam globe valves provide accurate steam regulation for industrial applications. Designed for durability and reliable performance, they are ideal for steam pipelines in chemical, pharmaceutical, and process industries.

VALVES

Pneumatic Y-Type Control Valves

Our Pneumatic Y-Type Control Valves are engineered for optimal flow control in pneumatic systems, offering a unique Y-shaped design that reduces pressure drop and ensures smooth fluid passage. Ideal for industrial automation, process control, and machinery applications, these valves provide precise operation, quick response, and long-lasting durability. Manufactured from high-quality materials, they withstand high pressures, resist wear, and minimize leakage. Y-Type pneumatic control valves enhance system efficiency, maintain consistent performance, and reduce maintenance requirements, making them a reliable choice for demanding industrial environments.

I.C. Flanged Three Piece Ball Valve

Our I.C. Flanged Three Piece Ball Valves are engineered for precise control and secure shut-off in industrial fluid systems. The three-piece construction allows easy maintenance and replacement without disturbing the pipeline, while the flanged ends ensure secure installation. Suitable for water, oil, gas, and chemical applications, these valves provide leak-proof performance, corrosion resistance, and long-term durability. Designed to withstand high pressure and temperature conditions, they are ideal for industries requiring dependable and efficient flow control solutions. Apart from this, the offered products can be availed by us within a promised time - frame in Size 15 mm (1/2) to 150 mm (6").

I.C. Ball Valve Screw End

Our I.C. Ball Valve Three Piece is engineered for precise flow control in industrial piping applications. The three-piece design allows quick disassembly for maintenance without removing the entire valve from the pipeline. Suitable for water, oil, gas, and chemical services, these valves offer leak-proof performance, corrosion resistance, and long-lasting durability. Designed to handle high-pressure and high-temperature conditions, they ensure safe and efficient operation, making them ideal for industries that demand reliable valve solutions.

Pneumatic Control Valve

Our Pneumatic Control Valves are engineered to regulate airflow and pressure in pneumatic systems, ensuring accurate and reliable operation of industrial machinery. Suitable for automation, process control, and manufacturing applications, these valves provide fast response, smooth operation, and long-lasting performance. Made with durable materials and precision engineering, they withstand high pressures and continuous operation while minimizing leakage and maintenance needs. Pneumatic control valves are essential components for optimizing system efficiency, maintaining consistent performance, and ensuring operational safety in demanding industrial environments.

VALVES

Gate Valves

Our industrial gate valves are engineered for efficient on-off control of fluid flow in pipelines and process systems. Designed to provide minimal pressure drop when fully open, these valves ensure smooth flow and tight shut-off performance. Manufactured using high-quality materials such as cast iron and stainless steel, our gate valves offer excellent strength, corrosion resistance, and long operational life. They are widely used in water supply systems, chemical plants, power stations, textile industries, and general industrial applications where dependable isolation is required.

Butterfly Valve with Actuator

Poonam Engineering butterfly valves with actuators offer automated operation and accurate flow control for industrial pipelines. Built for durability and efficiency, these valves are ideal for water, chemical, and process industries requiring precise automation.

POONAM ENGINEERS

03. Gear Boxes

GEAR BOXES

Cycloider Gear Box & Gear Motor

Our Cycloider Gear Boxes & Gear Motors are designed for smooth, accurate, and high-torque transmission in a wide range of industrial machinery. Utilizing cycloidal gearing technology, they offer high efficiency, low backlash, and superior load-carrying capacity. Ideal for conveyors, robotics, packaging machines, and automation systems, these gearboxes provide long-lasting performance with minimal maintenance. With compact design, quiet operation, and robust construction, our cycloider gear boxes and gear motors ensure reliable speed control and precise motion, making them a preferred solution for industries requiring dependable power transmission.

Helical Gear Motor

Our Helical Gear Motors combine high-quality helical gears with precision motors to deliver smooth, efficient, and reliable power transmission. Ideal for conveyors, mixers, packaging machines, and other industrial equipment, these gear motors ensure high torque output, low noise operation, and long-lasting performance. Constructed with durable materials and advanced engineering, they offer minimal maintenance, energy efficiency, and consistent operation under heavy load conditions. Helical gear motors are known for their compact design, smooth rotation, and excellent load-bearing capacity, making them a preferred choice for diverse industrial applications.

Worm Speed Reducer

Our Worm Speed Reducers are precision-engineered to provide reliable speed reduction and torque multiplication in a wide range of industrial applications. Ideal for conveyors, mixers, packaging machinery, and other equipment, these reducers ensure smooth operation, high efficiency, and long-lasting performance. Constructed with high-quality materials and advanced engineering, they minimize wear, reduce maintenance, and handle heavy loads with stability. Worm speed reducers are known for their compact design, quiet operation, and robust performance, making them a preferred choice for industries seeking reliable motion control solutions.

Speed Variators

Our Speed Variators provide reliable and efficient speed adjustment for a wide range of industrial applications. Ideal for conveyors, mixers, pumps, and other machinery, these variators allow smooth and precise control of output speed without interrupting operation. Built with high-quality materials and advanced engineering, they ensure long-lasting performance, low maintenance, and energy efficiency. Speed variators are essential for optimizing machine performance, improving productivity, and ensuring consistent process control in demanding industrial environments.

GEAR BOXES

CI NU Type Gear Box

Our CI NU Type Gear Boxes are engineered for robust performance in various industrial applications, offering efficient torque transmission and speed reduction. Made with high-quality cast iron (CI) and precision-machined components, these gearboxes ensure durability, low maintenance, and smooth operation. Ideal for conveyors, mixers, packaging machines, and other heavy-duty equipment, CI NU Type Gear Boxes provide reliable motion control, high load-bearing capacity, and long service life. Their compact design and robust construction make them a preferred choice for industries seeking dependable and efficient gearbox solutions.

NMRV Worm Gearbox

Our NMRV worm gearboxes are engineered to deliver reliable speed reduction, high torque, and smooth operation in industrial applications. With a compact aluminum housing and modular design, NMRV gearboxes are easy to install and suitable for space-constrained environments. These gearboxes offer quiet operation, excellent efficiency, and long service life with minimal maintenance. Widely used in conveyors, textile machinery, packaging equipment, material handling systems, and automation applications, NMRV gearboxes provide consistent and dependable performance.

04. Pneumatic Products

PNEUMATIC PRODUCTS

Pneumatic Cylinder

Our Pneumatic Cylinders are designed to convert compressed air energy into precise linear motion, ensuring smooth, efficient, and reliable operation in industrial automation systems. Suitable for machinery, assembly lines, material handling, and process control applications, these cylinders provide accurate positioning, fast response, and long service life. Manufactured with high-quality materials and precision engineering, they are resistant to wear, corrosion, and high-pressure conditions. Pneumatic cylinders are essential components for optimizing system performance, improving productivity, and ensuring safe and consistent operation in demanding industrial environments.

Pneumatic Cylinder Control Valve

Our Pneumatic Cylinder Control Valves are designed to regulate the flow and direction of compressed air in pneumatic cylinders, ensuring precise, smooth, and efficient operation. Ideal for industrial automation, machinery, and process control applications, these valves provide reliable performance, quick response, and long-lasting durability. Manufactured with high-quality materials and advanced engineering, they withstand high pressures and continuous operation while minimizing leakage and wear. These control valves are essential for optimizing pneumatic systems, enhancing productivity, and maintaining consistent performance in demanding industrial environments.

Pneumatic Y-Type Control Valves

Our Pneumatic Y-Type Control Valves are engineered for optimal flow control in pneumatic systems, offering a unique Y-shaped design that reduces pressure drop and ensures smooth fluid passage. Ideal for industrial automation, process control, and machinery applications, these valves provide precise operation, quick response, and long-lasting durability. Manufactured from high-quality materials, they withstand high pressures, resist wear, and minimize leakage. Y-Type pneumatic control valves enhance system efficiency, maintain consistent performance, and reduce maintenance requirements, making them a reliable choice for demanding industrial environments.

Pneumatic Control Valve

Our Pneumatic Control Valves are engineered to regulate airflow and pressure in pneumatic systems, ensuring accurate and reliable operation of industrial machinery. Suitable for automation, process control, and manufacturing applications, these valves provide fast response, smooth operation, and long-lasting performance. Made with durable materials and precision engineering, they withstand high pressures and continuous operation while minimizing leakage and maintenance needs. Pneumatic control valves are essential components for optimizing system efficiency, maintaining consistent performance, and ensuring operational safety in demanding industrial environments.

PNEUMATIC PRODUCTS

Rotary Actuator Valve

Our Rotary Actuator Valves are engineered to provide reliable and precise control of fluid flow in industrial piping systems. Equipped with a rotary actuator mechanism, these valves allow automated operation, fast response, and accurate positioning. Suitable for water, oil, gas, and chemical applications, they deliver leak-proof performance, corrosion resistance, and long service life. Designed for high-pressure and high-temperature environments, rotary actuator valves are ideal for process automation, industrial machinery, and systems requiring efficient flow regulation and operational safety.

Push Pull Valve

Our Push Pull Valves are designed for simple yet effective manual operation, allowing precise control of fluid flow in industrial systems. Suitable for water, air, gas, and chemical media, these valves provide leak-proof performance, corrosion resistance, and long-lasting durability. The push-pull mechanism ensures quick and easy actuation, making them ideal for applications where fast response and reliable control are essential. Built from high-quality materials, push pull valves are easy to install, maintain, and operate, ensuring efficient and safe performance in demanding industrial environments.

Single Solenoid Valve

Our Single Solenoid Valves are designed for reliable and accurate automated control of fluid and gas flow in industrial applications. Operating via a single electromagnetic solenoid, these valves provide fast response, precise actuation, and efficient system control. Suitable for water, air, oil, and other fluids, they offer leak-proof performance, corrosion resistance, and long service life. Ideal for process automation, manufacturing equipment, and pneumatic systems, single solenoid valves enhance operational efficiency, safety, and reliability while minimizing maintenance requirements.

Hand Lever Valve

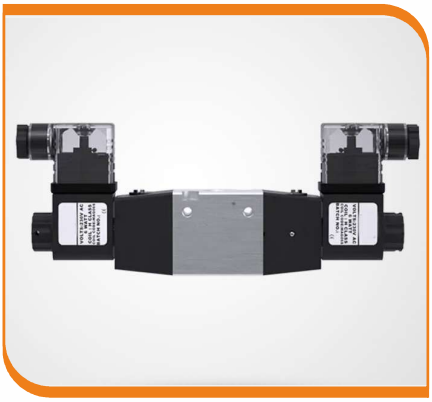
Our Hand Lever Valves are designed for easy and accurate manual operation, allowing precise control of fluid flow in industrial and hydraulic systems. Equipped with a robust lever mechanism, these valves provide quick actuation, leak-proof performance, and long-lasting durability. Suitable for water, air, oil, and other fluids, they are built with high-quality materials to withstand high pressures, corrosion, and wear. Ideal for machinery, process control, and industrial applications, hand lever valves ensure safe, efficient, and reliable operation while minimizing maintenance requirements.

PNEUMATIC PRODUCTS

Flow Control Valve

Our Flow Control Valves are designed to provide precise control over the flow rate of liquids and gases in industrial and process applications. Suitable for hydraulic, pneumatic, and water systems, these valves ensure smooth operation, minimal leakage, and reliable performance. Manufactured with high-quality materials and precision engineering, they withstand high pressure, temperature variations, and corrosive environments. Ideal for automation systems, machinery, and process control applications, flow control valves optimize system efficiency, enhance safety, and maintain consistent performance in demanding industrial conditions.

Double Solenoid Valve



Our Double Solenoid Valves are designed to provide accurate and reliable flow control using two electromagnetic solenoids, enabling bi-directional or dual-function operation. Ideal for industrial automation, pneumatic systems, and process control applications, these valves offer fast response, precise actuation, and energy-efficient operation. Suitable for water, air, oil, and other fluids, they are leak-proof, corrosion-resistant, and built for long-lasting durability. Double solenoid valves ensure consistent performance, reduce downtime, and simplify automation in demanding industrial environments.

Diaphragm Operated Valve

Our Diaphragm Operated Valves are designed for accurate and dependable control of fluid flow using a flexible diaphragm mechanism. Ideal for chemical, water, and pneumatic systems, these valves provide leak-proof performance, corrosion resistance, and long service life. The diaphragm design eliminates the risk of contamination between the fluid and the operating mechanism, making them suitable for hygienic and sensitive applications. Constructed with high-quality materials, these valves withstand high pressure and temperature variations while ensuring smooth operation and minimal maintenance. Diaphragm operated valves are perfect for industries requiring precise, safe, and efficient flow control solutions.

Pneumatic Fittings

Our Pneumatic Fittings are engineered to provide reliable, tight, and leak-proof connections in pneumatic systems. Suitable for air, gas, and other fluid applications, these fittings ensure smooth airflow, minimal pressure drop, and long-lasting performance. Manufactured from durable materials like brass, stainless steel, and high-grade plastics, they are designed to withstand high pressures and harsh industrial environments. Compatible with a variety of tubing and piping sizes, our pneumatic fittings are ideal for automation systems, machinery, and process control applications, providing easy installation and maintenance while ensuring system efficiency and safety.

Three Way Solenoid Valves

Our three way solenoid valves are designed for efficient and accurate control of fluid and air flow in industrial automation systems. These valves feature three ports and are ideal for diverting, mixing, or switching flow paths with quick response and high reliability. Manufactured using high-quality materials, they offer excellent sealing, durability, and resistance to pressure and temperature variations. Three way solenoid valves are widely used in pneumatic systems, process automation, textile machinery, chemical plants, water treatment units, and general industrial applications.

POONAM ENGINEERS

05. Pump Spares

PUMP SPARES

Mechanical Seal Set

Poonam Engineering mechanical seal sets provide leak-proof and reliable performance for all types of industrial pumps and rotating equipment. Designed for durability and precision, they help maintain system efficiency and reduce maintenance needs.

Impeller

Poonam Engineering precision-engineered impellers are designed to improve pump efficiency and ensure long-lasting performance. Suitable for various industrial pumps, these impellers offer optimal fluid flow, durability, and reliability.

Mechanical Seal

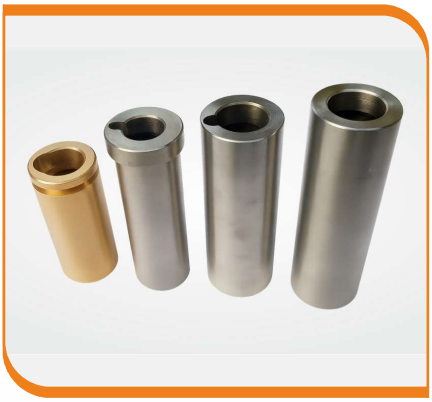
Our Mechanical Seals are precision-engineered to provide effective sealing solutions for pumps, mixers, and other rotating equipment. Designed to prevent leakage of liquids and gases, these seals enhance operational efficiency and prolong equipment life. Manufactured from high-quality materials with advanced engineering, mechanical seals are resistant to wear, corrosion, and high pressure, making them suitable for chemical, water, oil, and other industrial applications. These seals ensure smooth operation, reduce maintenance requirements, and offer dependable performance in demanding industrial environments.

Industrial Mechanical Seals

Our mechanical seals are engineered to provide superior sealing performance for pumps and rotating equipment across various industries. We offer a wide range of mechanical seals. Manufactured using premium-grade materials and precision engineering, these seals are designed to withstand high pressure, extreme temperatures, and corrosive fluids. Our mechanical seals help prevent leakage, reduce maintenance costs, and extend the operational life of pumps and machinery, making them ideal for chemical, textile, pharmaceutical, and process industries.

PUMP SPARES

Shaft Sleeve



Our Shaft Sleeves are precision-engineered to protect shafts from wear, corrosion, and damage caused by friction in pumps, motors, and industrial machinery. Made from high-quality materials, these sleeves provide long-lasting durability and maintain the efficiency of rotating equipment. They reduce maintenance costs, enhance equipment life, and ensure smooth operation in demanding industrial environments. Ideal for a wide range of applications including mechanical, hydraulic, and pneumatic systems, shaft sleeves are an essential component for reliable and efficient performance.

Shaft

Our Shafts are precision-engineered to provide robust and reliable power transmission in pumps, motors, gearboxes, and industrial machinery. Made from high-grade steel and other durable materials, these shafts offer excellent resistance to wear, corrosion, and high loads. Designed for smooth operation and long service life, they reduce maintenance costs and ensure efficient performance in demanding industrial environments. Ideal for mechanical, hydraulic, and rotating equipment applications, our shafts are a critical component for optimizing operational efficiency and maintaining system reliability.

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06. Rubber Products

RUBBER PRODUCTS

Rubber 'O' Ring

Our Rubber O-Rings are precision-engineered for effective sealing in pumps, valves, compressors, and other industrial equipment. Made from premium-grade rubber, these O-rings offer excellent resistance to wear, chemicals, high pressure, and temperature variations. Ideal for hydraulic, pneumatic, and general industrial applications, they ensure leak-proof performance, enhance system efficiency, and extend equipment life. Rubber O-rings are easy to install, durable, and provide consistent sealing performance, making them an essential component for maintenance and reliable operation in demanding industrial environments.

Rubber Plunger Seal

Our Rubber Plunger Seals are designed to provide effective sealing in pumps, compressors, and hydraulic systems, ensuring leak-proof operation and smooth performance. Made from high-quality rubber materials, these seals are resistant to wear, chemicals, and high pressure, making them suitable for a wide range of industrial applications. Rubber plunger seals help maintain system efficiency, extend equipment life, and reduce maintenance requirements. Ideal for water, oil, and chemical industries, they provide reliable performance even under demanding operating conditions.

Rubber 'V' Seal & 'T' Ring

Our Rubber V-Seals and T-Rings are precision-engineered to provide effective sealing in pumps, compressors, hydraulic systems, and other industrial machinery. V-Seals offer excellent axial sealing and prevent leakage along shafts, while T-Rings provide superior static sealing for grooves and joints. Made from high-quality rubber materials, these seals resist wear, chemicals, high pressure, and temperature variations. They ensure leak-proof performance, reduce maintenance requirements, and extend equipment life, making them essential components for demanding industrial, hydraulic, and pneumatic applications.

Rubber Diaphragm

Our Rubber Diaphragms are precision-engineered to provide effective sealing and flexible movement in pumps, valves, compressors, and other industrial machinery. Made from premium-grade rubber, they offer excellent resistance to wear, chemicals, temperature variations, and pressure changes. Rubber diaphragms ensure leak-proof performance, smooth operation, and long service life, making them ideal for hydraulic, pneumatic, chemical, and process applications. Their flexibility and durability help optimize system efficiency, reduce maintenance, and maintain safe operation in demanding industrial environments.

RUBBER PRODUCTS

Rubber Clutch Diaphragm

Our Rubber Clutch Diaphragms are designed to provide smooth, precise, and durable operation in clutch assemblies for industrial machinery and automotive applications. Made from premium-grade rubber, these diaphragms offer excellent resistance to wear, heat, chemicals, and pressure, ensuring long service life and reliable performance. They facilitate efficient power transmission, prevent slippage, and maintain consistent clutch engagement under demanding operating conditions. Ideal for a variety of industrial and automotive systems, rubber clutch diaphragms optimize operational efficiency, reduce maintenance, and enhance overall system reliability.

Silicone Rubber Strip

Our Silicone Rubber Strips are designed for versatile sealing, insulation, and protective applications in industrial, automotive, and household systems. Made from premium-grade silicone, these strips offer excellent resistance to heat, cold, UV radiation, and chemical exposure. Flexible, durable, and easy to install, silicone rubber strips provide reliable sealing, reduce vibration, and prevent leakage in various applications. Ideal for machinery, doors, windows, electrical insulation, and other demanding environments, these strips ensure long-lasting performance and maintain operational efficiency under extreme conditions.

07. Rotary Pressure Joints

ROTARY PRESSURE JOINTS

Rotary Pressure Joints

Poonam Engineering rotary joints are designed to provide efficient and safe transfer of fluids and steam in industrial systems. They ensure smooth operation, minimize leakage, and are built for long-lasting durability in heavy-duty environments.

We offer different types of Rotary Pressure Joints, which find usage in various industrial applications. Rotary Joint is self-supporting rotary joints used to admit fluids or steam in various machines of textile industries such as Drying Ranges, Calendars Machines and Sizing Machines. These are also widely used in various machines of Paper Mills and Rubber Mixing Roller Mills, which have rotating, heating or cooling cylinders, rolls or drums.

Size - 1/2" to 2"
Series type - C, H, S

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08. High-Speed Industrial Stirrers

HIGH-SPEED INDUSTRIAL STIRRERS

SS Stirrer

Poonam Engineering SS stirrers are designed for reliable and uniform mixing in industries such as chemicals, textiles, and pharmaceuticals. Made from high-quality stainless steel, they ensure durability, corrosion resistance, and long-lasting performance.

We provide the best quality of High Speed Steel Stirrer. our products are manufactured using quality-approved materials and components that are obtained from reputed vendors. We offer these High Steel Speed Stirrer at highly affordable prices, to meet the budgetary constraints of our clients.

Sizes :- 1 H.P, 2 H.P, 3 H.P, 5 H.P, 7.5 H.P, 10 H.P and 15 H.P

POONAM ENGINEERS

09. Jigger Machine

JIGGER MACHINE

Jigger Machine

Our jigger machines are used in the textile industry for efficient dyeing and finishing processes. Engineered for durability, precision, and smooth operation.

Some Wovens Are Conveniently Dyed On Jigger Are,

- Taffettas
- Plain wovens
- Satins
- Poplins
- Ducks
- Suiting and Shirting material.
- Sheetings etc.

But have limited application on fabrics which are tension sensitive such as crepes, flat crepes, knits, net fabrics and elastomeric warps etc.

Types Of Jigger Dyeing Machine:

1. Textile jigger machine for woven fabrics
2. Hydraulic jigger machine for dyed fabric
3. Semi-automatic dyeing jigger for dyeing fabric
4. Automatic jigger textile machine for woven fabrics
5. Semi and jumbo jigger machines show how to dye fabric
6. Manual jigger for natural dyes

Working Principle of Jigger Dyeing Machine:

The jigger machines have two main rollers which revolve on smooth bearings and are attached to with a suitable driving mechanism, which can be reversed when required. The fabric is wound on one of the main rollers and fed from the other. The fabric move from one roller to the other through the dye liquor trough located at the lower part of the machine. There are various arrangement of guide rollers at the bottom of liquor trough, and during each passage the cloth passes around these guide rollers.

The concentrated dye liquor is usually introduced directly into the dyebath in two equal portions, which are added just before commencing the first and second ends. The liquor is agitated by the movement of the fabric through the dyebath. Several horizontal spray pipes are fitted across the full width of the trough in order to expedite fabric rinsing.

Live steam injected into the bottom of the trough through a perforated pipe across the width of the jig heats the liquor. Some modern jigs also have heat exchangers for indirect heating.

Covering the top of the jig minimizes the heat loss to the atmosphere, keeps the temperature uniform on all parts of the fabric and minimizes exposure of the liquor and the cloth to air. Minimizing exposure to air is important when using sulphur or vat dyes since these dyes can be oxidized by atmospheric oxygen.

A few meters of leading fabric, similar in construction to the cloth under process, is stitched to each end of the cloth batch, to allow the entire length of the fabric to pass through the dye bath during the dyeing process. When jig processing is completed, the fabric is run onto an A-frame via a nip or suction device to remove extraneous water during unloading.

Modern machines such as automatic and jumbo jiggers have full automation in drive, tension regulation and control, fabric speed and metering, smooth and jerk less stop and start, counters for number of turns, gradual and noiseless reversal, automatic temperature regulation and control etc.

POONAM ENGINEERS

10. Industrial Spares

INDUSTRIAL SPARES

Hydraulic Cylinder

Poonam Engineering hydraulic cylinders are engineered for high-load operations in construction, manufacturing, and heavy machinery, ensuring long-lasting performance and safety.

Heat Exchanger

Poonam Engineering's heat exchangers are designed for efficient heat transfer in industrial processes including chemical, pharmaceutical, and food industries. They ensure energy-efficient operations, durability, and reliable performance in high-temperature applications.

Rotary Joint

Poonam Engineering rotary joints are designed to provide efficient and safe transfer of fluids and steam in industrial systems. They ensure smooth operation, minimize leakage, and are built for long-lasting durability in heavy-duty environments.

We offer different types of Rotary Pressure Joints, which find usage in various industrial applications. Rotary Joint is self-supporting rotary joints used to admit fluids or steam in various machines of textile industries such as Drying Ranges, Calendars Machines and Sizing Machines. These are also widely used in various machines of Paper Mills and Rubber Mixing Roller Mills, which have rotating, heating or cooling cylinders, rolls or drums

SS Stirrer

Poonam Engineering SS stirrers are designed for reliable and uniform mixing in industries such as chemicals, textiles, and pharmaceuticals. Made from high-quality stainless steel, they ensure durability, corrosion resistance, and long-lasting performance.

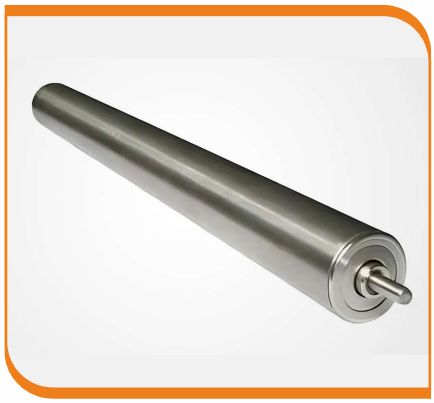
We provide the best quality of High Speed Steel Stirrer. our products are manufactured using quality-approved materials and components that are obtained from reputed vendors. We offer these High Steel Speed Stirrer at highly affordable prices, to meet the budgetary constraints of our clients.

PUMP SPARES

SS Scroll Roll

Poonam Engineering SS scroll rolls are designed for reliable operation in various industrial processes. Made from high-quality stainless steel, they offer durability, corrosion resistance, and precision for continuous use in manufacturing and processing industries.

SS Guide Roll



Poonam Engineering SS guide rolls are designed to ensure smooth and accurate operation of industrial machines. Made from high-quality stainless steel, they provide durability, corrosion resistance, and reliable performance in continuous industrial processes.

Industrial Brake Drums

Our industrial brake drums are manufactured to deliver efficient braking performance, durability, and operational safety in heavy-duty machinery and equipment. Designed with precision engineering and high-quality materials, these brake drums provide excellent heat dissipation, wear resistance, and consistent braking torque. They are widely used in gearboxes, hoists, cranes, conveyors, textile machinery, and other industrial applications where controlled stopping and safety are critical. Our brake drums ensure long service life with minimal maintenance, even under demanding working conditions.

PONAM ENGINEERS

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