ENGINEERING SOLUTIONS

Committed to
Excellence,
Driven by
Innovation

We are authorised dealer of
Rotex Manufacturer &
Automation Pvt. Ltd.

ROTEX
Engineering For The Future

MITRA KITZ

MERCURY

Mindman

POSITIONERS & CONTROL VALVES

PNEUMATIC & ELECTRIC OPERATED ON/OFF VALVES

SOLENOID VALVES & DUST COLLECTOR, Y-TYPE ANGLE VALVE

PNEUMATICS CYLINDER PIPES, FITTINGS & AFR

MANUAL VALVES, BALL, BUTTERFLY, FLUSH BOTTOM VALVES

PRESSURE GAUGES, SWITCHES, SEAL KITS & FILTERS

POSITIONERS & CONTROL VALVES

Unique polymer diaphragms developed by Rotex offer long life and prevent malfunctioning of the device.

Rotex poppet has all of its internal moving parts in Stainless Steel (SS).

This helps fight corrosion and offers an improved surface finish,ensuring long-term repeatability.

Rotex has the least air consumption as compared to other positioner manufacturers. The metal spool and metal poppet ensure minimum leakage.

Rotex high temperature elastomer and class H E/P coil promise resistance to high temperature applications.

Rotex has a strong service team across the globe and provides spares for all the items, leading to low installation and maintenance costs.

WHY ROTEX POSITIONERS?

Rotex presents a groundbreaking solution with its highly compact positioner, catering to diverse industrial process needs. Renowned for its efficiency, this cutting-edge device ensures precise control by accurately positioning valves in response to control signal





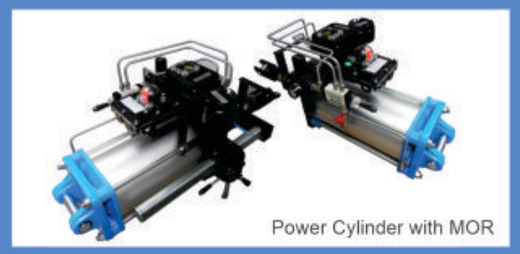




Smart Positioner







Power Cylinder with MOR







BALL type FLUSH BOTTOM TANK VALVE
with PNEUMATIC ACTUATOR,
FLP LIMIT SWITCH & SOLENOID VALVE,
AIR FILTER REGULATOR & MANUAL OVERRIDE

POSITIONERS & CONTROL VALVES

PNEUMATIC & ELECTRIC OPERATED ON/OFF VALVES

SOLENOID VALVES & DUST COLLECTOR, Y-TYPE ANGLE VALVE

PNEUMATICS CYLINDER PIPES, FITTINGS & AFR

MANUAL VALVES, BALL, BUTTERFLY, FLUSH BOTTOM VALVES

PRESSURE GAUGES, SWITCHES, SEAL KITS & FILTERS

PNEUMATIC & ELECTRIC OPERATED ON/OFF VALVES

Pneumatic Actuator:
A pneumatic control valve actuator converts energy (typically in the form of compressed air) into mechanical motion. The motion can be rotary or linear, depending on the type of actuator.

Electric Actuators:
Electric actuators appear in a number of industries. Typically, they're used in industrial applications associated with manufacturing valves, pumps, and motors. They most commonly automate industrial valves, and many types of technical process plants use them, including:

- Upstream, midstream, and downstream oil and gas plants
- Wastewater treatment plants
- Power plants
- Food and beverage plants
- Farming and agricultural plants
- Pulp and paper plants

ON/OFF Valves:
An ON/OFF Valves is the fluid equivalent of an electrical switch, a device that either allows unimpeded flow or acts to prevent flow altogether.

These valves are often used for routing process fluid to different locations, starting and stopping batch processes, and engaging automated safety (shutdown) functions



PNEUMATIC & ELECTRIC OPERATED ON/OFF VALVES
SOLENOID VALVES & DUST COLLECTOR, Y-TYPE ANGLE VALVE
PNEUMATICS CYLINDER PIPES, FITTINGS & AFR
MANUAL VALVES, BALL, BUTTERFLY, FLUSH BOTTOM VALVES
PRESSURE GAUGES, SWITCHES, SEAL KITS & FILTERS

SOLENOID VALVES & DUST COLLECTOR, Y-TYPE ANGLE VALVE

Solenoid Valves:
Solenoid valves are electrically operated valves used to control the flow of fluids or gases. They use an electromagnetic solenoid coil to move a plunger, which opens or closes the valve. Applications include HVAC systems, industrial processes, and home appliances.

Dust Collectors:
Dust collectors are systems designed to improve air quality by removing dust and impurities. They consist of a blower, dust filter, and dust receptacle. They are used in industrial settings, workshops, and manufacturing facilities to maintain air quality and comply with regulations.

Y-Type Angle Valves:
Y-type angle valves control the flow of fluids in piping systems. Their "Y" shape allows for flow regulation in different directions. Common uses include water distribution systems, fire protection systems, and irrigation systems.



SOLENOID VALVES & DUST COLLECTOR, Y-TYPE ANGLE VALVE
PNEUMATICS CYLINDER PIPES, FITTINGS & AFR
MANUAL VALVES, BALL, BUTTERFLY, FLUSH BOTTOM VALVES
PRESSURE GAUGES, SWITCHES, SEAL KITS & FILTERS

PNEUMATICS CYLINDER PIPES, FITTINGS & AFR

Pneumatic Cylinders:
Pneumatic cylinder, also known as air cylinder, is a mechanical device which uses the power of compressed gas to produce a force in a reciprocating linear motion. Like in a hydraulic cylinder, something forces a piston to move in the desired direction.

Pneumatic Pipes:
Pneumatic pipes are a type of PPR piping system used in industrial and air settings. Transporting compressed air or other gases between locations involves the use of pneumatic pipes. Metal, plastic, or composite materials are frequently used in their construction.

Air Filter Regulator (AFR):
An air filter regulator is a combination of two primary components – an air filter and a pressure regulator. The filter removes contaminants like dust, oil, and moisture from compressed air, while the regulator controls the air pressure output to a predefined level.

Pneumatic Fittings:
Pneumatic fittings are incredibly versatile and can connect to a wide range of components. One of the most common connections is to tubes or hoses, allowing the smooth flow of compressed air or gases throughout the system. Whether it's rigid or flexible tubing, MERCURY fittings ensure a secure and leak-free connection.





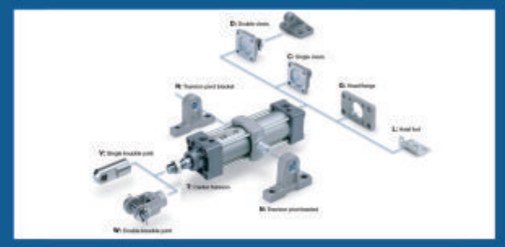


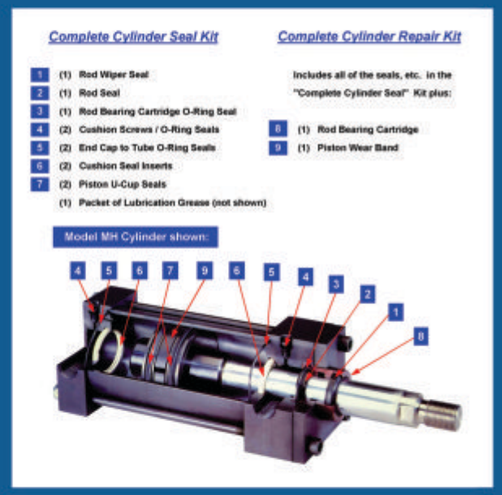
















PNEUMATICS CYLINDER PIPES, FITTINGS & AFR
MANUAL VALVES, BALL, BUTTERFLY, FLUSH BOTTOM VALVES
PRESSURE GAUGES, SWITCHES, SEAL KITS & FILTERS

MANUAL VALVES, BALL, BUTTERFLY, FLUSH BOTTOM VALVES

Manual Valves:
Manual valves serve three major functions in fluid-handling systems: stopping and starting flow, controlling flow rate, and diverting flow. Valves for stopping and starting flow are frequently employed also for controlling flow rate, and vice versa, while valves for diverting flow are designed for that single purpose.

Ball Valve:
A ball valve is a shutoff valve that controls the flow of a liquid or gas by means of a rotary ball having a bore. They can be operated by a handle or automated with an electric or pneumatic actuator.

Butterfly Valve:
The "butterfly" is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid.

High Pressure Valve:
A High Pressure Flush Bottom Valve, also known as a bottom or drain valve, serves a specific purpose in reactors and tanks by facilitating the drainage or sampling of materials. It is designed for vessels with threaded openings, allowing for the efficient removal of slurry or product residues.

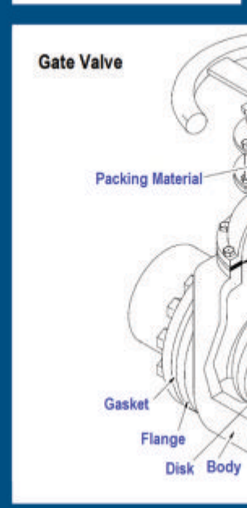














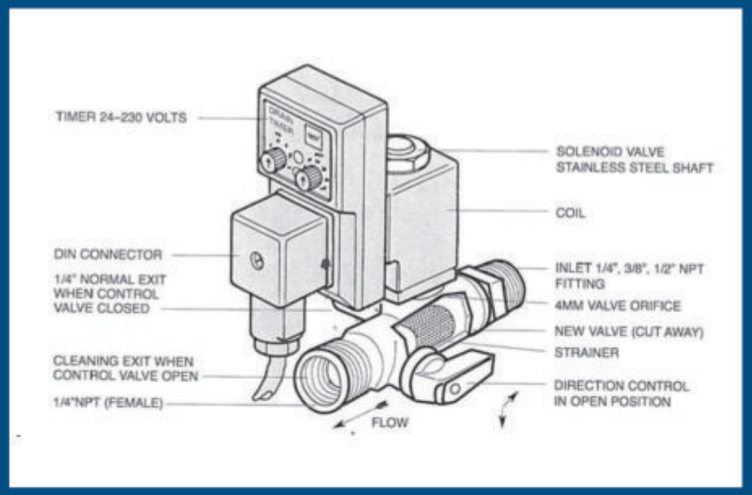



PRESSURE GAUGES, SWITCHES, SEAL KITS & FILTERS

Pressure Gauges:
Pressure gauges measure the internal pressure of a system by converting the pressure into a mechanical or electrical signal.

Pressure Switch:
A pressure switch is a form of switch that operates an electrical contact when a certain set fluid pressure has been reached on its input. The switch may be designed to make contact either on pressure rise or on pressure fall.

Seal Kits:
A seal kit is a collection of seals, gaskets, and O-rings essential for various industries' sealing systems. It helps protect the equipment from dirt, dust, oil, and moisture. The seals also prevent fluid leakage, helping to ensure that the system operates at peak efficiency.

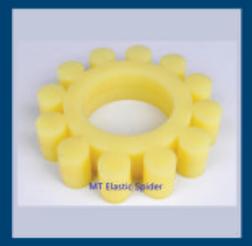
























ENGINEERING SOLUTIONS

Introduction:

We are introducing A.R. Engineering Solution as an economic & reliable Valve Solution Provider from 2020. We are based in Chandigarh with a team of qualified Engineers/Professionals having experience in the related field. Our team can help in selecting the right product as a solution and can avail quick service.

We are the accessories providers of Rotex, Janatics, Festo, Audco, L&T, and many more to our related field.

We are also authorized dealers of "Rotex Manufacturer & Engineers Pvt. Ltd. (For Pneumatic Positioners, Electro Pneumatic Positioners & Smart Positioners), Rotex Automation Limited (For Solenoid Valves, Y-Type Angle Valves, Pulse Jet Valves etc.), Micro Pneumatics Kitz (North Zone), Multitech Valve Automation, Mindman Pneumatics & Mercury for Pneumatic Cylinders for High-Quality Globe Control Valves, Electrically Actuated Valves, Pneumatically Actuated Valves, Solenoid Valves and Power Cylinders for dampers & customized Valve Automation Products under our brand.



SALE | SERVICE | SOLUTION

We repair all types of Valves Solenoid Valves, Control Valves, Globe Valves and Ball Valves etc., Pneumatic Cylinders both Pneumatic & Hydraulic.

Sales: We supply Manual Valves, On/Off Valves Pneumatic, Solenoid Valves, Motorized Valve and Modulating Valves.
Manual Valves (Ball Valves, Knife Gate Valves, Globe Valves, Butterfly Valves, Gate Valves, Flush Bottom valves, Steam Jacketed Valves Etc.)

Services: Repair all types of Valves, Pneumatic Cylinders and Hydraulic Cylinders with six Month Warranty. We also repair SBV actuators (Food Grade Actuators) of Make: ALFA LAVAL & PENTAIR etc. Positioners, Ball Valves, Pneumatic Actuators (Linear & Rotary), Diaphragm Valves, Globe Valves, Knife Gate Valves, Solenoid Valves and Steam Valves etc.

Solutions: We provide the solution in Valve Automation as required by the Company for Example HMEL Bhatinda, Hindustan Unilever Ltd, Jagatjit Industries etc.

We try our best to give you the best and suitable solution and try to provide your material on time as per your requirement.

Our Valuable Clients

HMEL · Hindustan Unilever Limited · Aditya Birla Grasim · CBL · Varun Beverages Ltd · UPL · IndianOil · Mankind · SAEL · GVK · JSW · Synthimed · Gold Plus Float Glass · Kansai Nerolac · Centrient Pharmaceuticals · Ruchira Papers · NV Group · NecLife · ACC · and many more..



We are proud to receive the prestigious award for **Extraordinary Performance across India for 2023-2024,** presented by Rotex Automation Limited.

ENGINEERING SOLUTIONS

A. R. ENGINEERING SOLUTIONS

Address: Plot No. 24/2, Industrial Area, Phase-II, Chandigarh
Email: info@thearengineering.com | arengg191@gmail.com
Call: +91-97792-22191, 90411-27084 | **Website:** www.thearengineering.com