



Engineering For The Future



ROTEX Group of companies is engaged in manufacturing of products for Process and Factory Automation

ROTEX have three state of art facilities for design development and manufacturing of the products

ROTEX was started by Mr. J G Shah in 1967 in a rental premises at Lower Parel, a suburb of Mumbai

Initially for few years The Company carried out job work of parts and manufacturing of the machineries for Textile, Tube Industry, Road Construction Machineries and many other special purpose machineries

1967	Inception of ROTEX
1970	Acquired 18000 Square meter of land for ROTEX, Dombivli (MAHARASHTRA). Constructed area is 6000 Square meter
1972	ROTEX entered into a technical collaboration with a Swiss company to manufacture Solenoid Valves
1976	ROTEX entered into an agreement with a Dutch Company to manufacture Pneumatic Actuators, Cylinders, Spool Valves etc.
1983	Started a second company at Vadodara in Gujarat ROTEX AUTOMATION LTD (RAL) to manufacture Solenoid Valves
1984	Bought a land of 7000 Square meter. The constructed area is 4200 Square meter
1988	To meet increasing market demand, third company was established in GUJARAT at Vithal Udyognagar (VUN). Constructed area is 2000 Square meter
1989	First CNC Machine installed at Vadodara Unit
2000	RAL Vadodara accredited ISO 9001-2000 by TUV
2001	RAL obtained ATEX for Explosion proof Solenoid
2002	First Export to Europe
2003	VUN plant accredited ISO 9001:2000 by TUV
2003	ROTEX, Dombivli obtained UL approval for Limit Switch Box
2004	RAL obtained ATEX approval for Intrinsically Safe Solenoid
2006	ROTEX, Dombivli accredited ISO 9001 : 2000 by TUV
2007	RAL obtained PED
2007	ROTEX, Dombivli obtained ATEX approval for Limit Switch Box and Actuator
2008	RAL obtained ATEX Certification for type Ex m Explosion proof Solenoid
2008	RAL obtained INMETRO (Brazil) approval for Ex d and Ex ia solenoid

Over years, ROTEX have developed strong marketing team in India and have also established its network in the World
Currently ROTEX have 24 contacts in India and 40 in the World from where ROTEX products are distributed

ROTEX have proved to be a strong committed group having its first two distributors still performing now over 33 years

Currently ROTEX is supplying its products for Automobile, Cement, Chemical Plants, Defence, Fertilizer, Glass Industries, Hydro Power Plants, Marine, Medical Equipment, Navy, Nuclear, Oil and Gas, Off Shore, On Shore, Petrochemical, Pharmaceutical, Railway Locomotives as well as Coaches, Refinery, Steel Plants, Sugar, Textile Industries, Thermal Power Plants etc. and many other Industries

ROTEX have a team of 350 people. 20 Engineers are exclusively engaged for Design and development

PRODUCTS:

FACTORY AUTOMATION

Solenoid Valve, Cylinder, Fittings, Tubing, FRL, Valve Island

PROCESS AUTOMATION

Solenoid Valve, Pneumatic Actuator, Limit Switch Box, Control & Automation, Valve Automation System, Valve Island

NEW PRODUCTS

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ANGLE SEAT VALVE



- Size ½" to 2"
- All wetted parts SS 316L
- Wide range of operators from dia 40 mm to 110 mm

PULSE JET VALVE/ DUST COLLECTOR VALVE



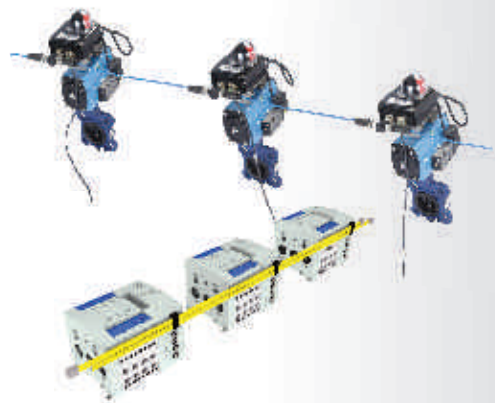
- ¾" to 2 ½" body ported
- 3" tank mounted
- Quick opening and closing for effective bag cleaning
- Hytrel diaphragm

PETROL VENDING VALVE



- Precise dispensing of liquids like Petrol, Kerosene, Diesel, Water, etc.
- The valve has dual orifice. Large for coarse flow up to 95% to 99% of set Value and small for fine flow

VALVE ISLAND AND LIMITSWITCH



- Compatible to ASI, Profibus, Devicenet.

2/2 PISTON OPERATED SOLENOID VALVE



- Orifice: 12,20,25,40,50,65 mm
- Pressure: Up to 40 bar

2/2 DIRECT ACTING SOLENOID VALVE



- Orifice: Up to 10 mm
- Pressure: Up to 400 bar

2/2 DIAPHRAGM SOLENOID VALVE



- Orifice: 10,12,20,25,40,50 mm
- Pressure: Up to 20 bar

2/2 PULSE JET VALVE



- Orifice: ¾", 1", 1½", 2", 2½", 3"
- Pressure: 8.5 bar/16 bar

3/2 DIRECT ACTING SOLENOID VALVE



- Orifice: Up to 10 mm
- Pressure: 0 - 150 bar

3/2 DIRECT ACTING SUB BASE MOUNTED SOLENOID VALVE



- Orifice: Up to 2 mm
- Pressure: 0 - 150 bar

FLUID CONTROL SYSTEM

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3/2 SPOOL VALVE



- Orifice: 4,5,6,7,10 mm
- Pressure: 10 bar

3/2 PILOT OPERATED POPPET VALVE



- Orifice: 6,7,10,16,20,25,32,40,50 mm
- Pressure: Up to 70 bar

5/2 PILOT OPERATED POPPET VALVE



- Orifice: 6,7,10,16,20,25,32,40,50 mm
- Pressure: Up to 70 bar

5/2 INLINE POPPET VALVE



- Orifice: 6,12,25 mm
- Pressure: Up to 16 bar

5/2 SPOOL VALVE



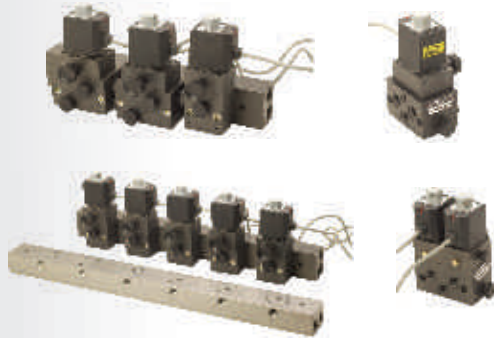
- Orifice: 4,5,6,7,10 mm
- Pressure: up to 10 bar

5/3 PILOT OPERATED POPPET VALVE



- Orifice: 6,10,16,25 mm
- Pressure: Up to 40 bar.

MANIFOLD MOUNTED SOLENOID VALVE



- Manifold Mounted Valve
- 2/2, 3/2, 5/2 Valve duly mounted on manifold

NAMUR



- 3/2 and 5/2 - 3/2, convertible solenoid valve for Single/double acting rotary actuator
- Working pressure up to 20 bar

PANEL BOX



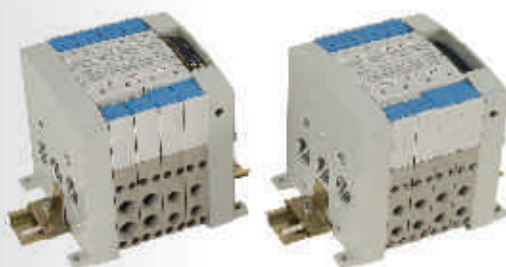
- Solenoid valves mounted in the panel box as per customer's logic/ Design

CUSTOMISED PRODUCT



- Solenoid Valve for Electric and Diesel Locomotives

VALVE ISLAND 15 mm WIDTH



- Modular expandable design
- 2/2, 3/2, 5/2 & 5/3 version possible
- Intrinsic Safe version available
- Working pressure 10 bar
- Subbase version available

INTRINSICALLY SAFE SOLENOID VALVE WITH CERCUIT



- 2/2, 3/2, and 5/2 valve with intrinsically safe solenoid without any change in parameters
- Working pressure up to 12 bar

SPECIAL VALVE

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INTRINSICALLY SAFE SOLENOID VALVE PLUG IN ENCLOSURE



- 3/2, 5/2 valve
- Working pressure up to 8 bar
- Suitable for zone 1 Remote i/o

INTRINSICALLY SAFE SOLENOID VALVE TERMINAL BOX ENCLOSURE



- 3/2, 5/2 valve
- Working pressure up to 8 bar
- Suitable for zone 1 Remote i/o

INTRINSICALLY SAFE SOLENOID VALVE Ex d ENCLOSURE



- 3/2 and 5/2 valve with dual protection
i.e. low power solenoid housed in Ex d enclosure
- Pressure up to 8 bar
- Suitable for zone 1 Remote i/o

LATCH SOLENOID VALVE



- 2/2, 3/2, 5/2 valve with Latch solenoid for valve to work as power fail to stayput type (LC)
- Pressure up to 20 bar

MANUAL RESET ON/ OFF SOLENOID VALVE



- 2/2, 3/2, 5/2 manual reset
- Manual reset off solenoid valve available
- Pressure up to 16 bar

LOW POWER SOLENOID VALVE



- 2/2, 3/2, and 5/2 valve operated with
5 W, 2 W, 0.4 W solenoid
- Pressure up to 16 bar

VALVE AUTOMATION SYSTEMS

ROTARY ACTUATOR ECF



- Double Rack and Pinion Actuator
- $\pm 10^\circ$ End stroke adjustment
- Torque up to 5110 Nm

ROTARY ACTUATOR 180°



- 180° Rotary Actuator
- Single/ Double acting

AUTOMATED VALVE



- Actuator with Explosion proof solenoid valve and electro-pneumatic positioner

ROTARY ACTUATOR

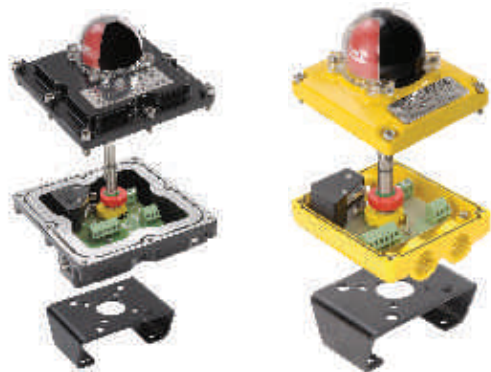


- Single Rack and Pinion Actuator
- Type: DRV, DRC
- Torque up to 112000 Nm

LIMIT SWITCH

EXPLOSION PROOF

WEATHER PROOF



LIMIT SWITCH BOX



- Limit switch mounted with Micro switch, Proxy switch and Feedback Positioner

VALVE AUTOMATION SYSTEM

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AUTOMATED VALVE



- Pneumatic Actuator with Positioner for regulation duty

AUTOMATED VALVE



- Pneumatic Actuator with limit switch, solenoid valve for On/ Off function

AUTOMATED VALVE



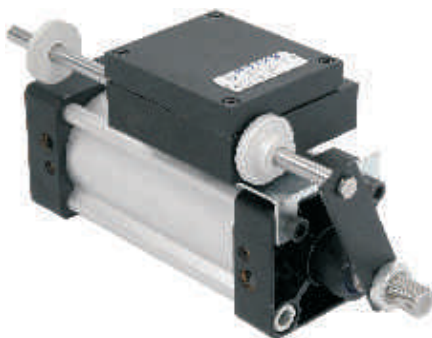
- Pneumatic Actuator with Positioner for regulation duty

AUTOMATED VALVE



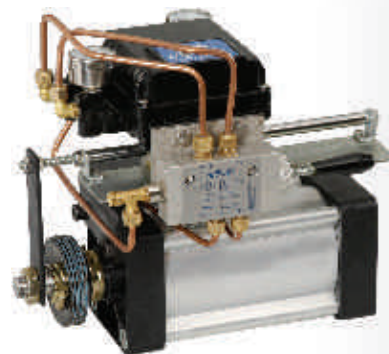
- Complete valve automation system designed and developed as per customer requirement

POWER CYLINDER ON/ OFF



- Linear cylinder with limit switch box for operating globe valve/air damper

POWER CYLINDER - PROPORTIONATE



- Linear cylinder with volume Booster valve for operating damper/ globe/ gate valve with positioner 4-20 mA or 5-15 psi

CYLINDER 8 TO 25 mm



- Single / Double acting cylinder
Stroke upto 300 mm

MOUNTING



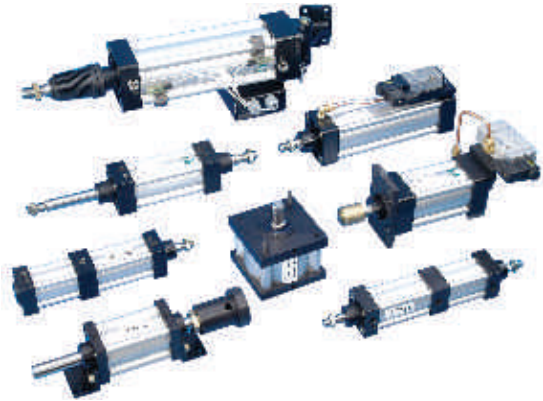
- Complete range of mountings
and piston rod accessories

HAND OPERATED VALVE



- 3/2, 5/2 and 5/3 hand operated, hand/ spring
return valve
Orifice 4.5, 6.7, 12 mm

CYLINDER 32 TO 160 mm



- Single / Double acting cylinder
Stroke upto 3000 mm

SHORT STROKE CYLINDER



- Short stroke cylinder for clamping application
Diameter upto 100 mm, Stroke upto 50 mm

AIR, LEVER, PUSH BUTTON OPERATED VALVE

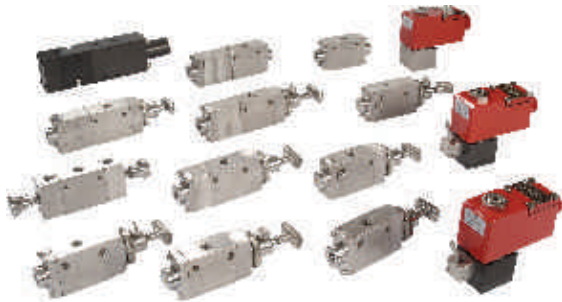


- 3/2, 5/2 and 5/3 hand operated, hand/spring
return valve
Orifice 3, 4.5, 6.7, 10 mm

SPECIAL PRODUCT

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GAS OVER OIL



- 3/2, 5/2 range of hand, pilot air operated valve in SS 316 body, pressure upto 350 bar

PINCH VALVE



- Special pinch solenoid valve for harsh media or media which has a danger of getting contaminated

3 POSITION ACTUATOR



- 3 position actuator with mechanical stop
Single acting actuator can be made to work as 3 Position actuator using a 3rd CAM for setting 3rd position operated by a special solenoid valve

POWER CYLINDER



- Power cylinder with manual override

SPECIAL CYLINDER



- A special cylinder developed as knocker cylinder mounted on Silo

SPOOL VALVE WITH STAINLESS STEEL BODY



- Spool valve with various options made in SS 316 Body and internals most suited for Pharma, Oil and Gas, Petrochemical and Food industry
- Working pressure up to 400 bar

Specifications are subject to change without notice



Engineering For The Future

Team Work

Customised
Service

Constant
Innovation

Engineering
Excellence

Consistent
Performance

World Wide
Approach

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