



SUDE

An ISO 9001:2015 Certified Company

sdtork

An ISO 9001:2015 Certified Company

- Electrical Actuators
- Pneumatic Actuators
- Dampers
- Electric / Pneumatic Operated Valves



The Complete Solution in Valve Automation



Customer Segments

- Boiler & Power Plant
- Nuclear Power and Research Institute
- Automobile Industry
- Coal, Steel & Cement Industry
- Biochem & Food Grade Industries
- Machine Tool Manufacturers
- Oil Industries
- Oil Pressure Control Loop System
- Packing Industries
- Paper Industries
- Railway Machinery Industries
- Satellite Launching Unit
- Water Distillation Plant
- Chemical & Mineral Industries
- Dosing Pump Manufacturer
- Blower & Fan Manufacturer
- Medical Equipment Manufacturer
- HVAC Equipment Manufacturer
- Water Industries
- General Industries
- Mining Industries
- Textile Industries
- Tiles Industries
- LPG Plant
- Filtration Systems
- Valve Industries
- Enviro Systems

Electrical Actuators



Single Phase Quarter Turn / Half Turn Weather Proof

Torque Range upto 200 Nm

1000 SERIES



DC / Single Phase Quarter Turn Weather Proof

Torque Range upto 2,000 Nm

1001 ECO SERIES



Single Phase / Three Phase Quarter Turn Weather Proof

1001 SERIES

Torque Range upto 500 Nm



Single / Three Phase Quarter Turn Weather Proof

Torque Range upto 500 Nm

FSD-1001-Ew SERIES



Single / Three Phase Quarter Turn Flame Proof

Torque Range upto 500 Nm

FSD-1001-Ex SERIES



TYPE CERTIFIED ACTUATOR BY INDIAN REGISTER OF SHIPPING FOR MARINE USE

Single Phase / Three Phase Quarter Turn Flame Proof

Torque Range upto 600 Nm

FSD-1001 SERIES



Single Phase Linear Weather Proof Electrical Actuator / with Linear to Rotary Converter / With Linkages

2000 SERIES

Thrust Range upto 9,806 N



Single Phase Linear Flame Proof Electrical Actuator with Linear to Rotary Converter / With Linkages

Thrust Range upto 9,806 N

HQ SERIES



Single Phase / Three Phase Multi Turn Weather Proof

Torque Range upto 2000 Nm

3000 SERIES



Three Phase Multi Turn Flame Proof

Torque Range upto 1000 Nm (MT)

12000 SERIES



Gear Box & Thruster Unit



WG-Quarter Turn / FWG-Full Turn Worm Gear Box

Torque Range upto 1,50,000 Nm



SG-Spur Gear Box

Torque Range upto 18,500 Nm



LTU-Linear Transmitting Unit

Thrust Range upto 1,81,424 N



BG-Bevel Gear Box

Torque Range upto 5,400 Nm



TU-Thruster Unit

Thrust Range upto 1,81,424 N



Angle Valve & Other Allied Products for All Process / Pharma / Food Grade and Other Related Industries

Steam & Air Piston Angle
Seat Valve [BSP Threads]

1162 SERIES



Tri-clamp Pneumatic
Angle Seat Valve

1162 SERIES



Pneumatic Flanged
Angle Seat Valve

1162 SERIES



Angle Seat Valve with Electro
Pneumatic Positioner

1162 SERIES



Diaphragm Seated Stainless Steel Metal Body Valves with
Plastic piston actuator for food & pharma

1168 SERIES



Tri-Clove End with Standard
Actuator

1168 SERIES



Tri-Clove End with Dome type
Cylinder Actuator

1168 SERIES



Tank Bottom Valves with Dome type
Cylinder Actuator

1168 SERIES



Electric Actuator with Diaphragm
Valves

9850 SERIES



Electric Actuator with Diaphragm Valves

1862 SERIES



Damper

1900 SERIES



Electric / Pneumatic Actuated Guide Vane Damper



Pneumatic Actuated Rectangular Damper



Square / Rectangular Multi Louver Damper

Square Rectangular Damper

Variable Inlet Vane Damper

High Temperature Damper

Diverter Damper

Poppet Damper

Stack Damper

Fire Damper

Guillotine Damper

High Temperature Slide Gate

Single / Double Flap Gate



Three phase Electric Actuated Butterfly Damper Low Leakage Construction



High Temperature Damper



Pneumatic Actuated Butterfly Damper Low Leakage Construction



Pneumatic Cylinder Operated Square / Rectangular Damper



For smooth flow Diverter Damper can be lined with ultra high molecular, high density polyethylene/Cast Nylon.



'T' Type Double Flap Diverter Damper



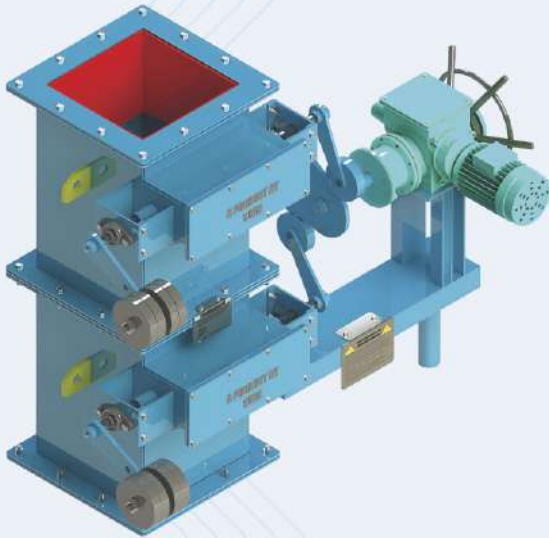
Poppet Dampers



Stack Dampers



Flap Gates



SUDE Series 1913, your gateway to innovative solutions for efficient material handling. In this catalogue, we introduce the cutting-edge 1913-DFFG and 1913-SFFG, designed to meet the diverse industrial needs of various sectors, including agriculture, food processing, mining, and bulk material handling.

DDGV Series - Double Disc Gate Valve

Sude 1914-DDGV Series Gate Valve, meticulously designed for the isolation of gases, particularly in coke oven gas lines with elevated tar content. This series is an ideal solution for isolating highly toxic gas lines and gases containing tar.

SUDE 1914 Series Gate Valve comprises essential components such as the body, bonnet, disc, stuffing box, stem, superstructure, and drive mechanism. The SDTORK multiturn actuator, coupled with a bevel gearbox, drives the stem nut, enabling smooth open and close operations. A centrally placed collapsible wedge, connected to the valve stem through a specially designed flexible joint, ensures a sealing force on the discs, preventing rubbing of seating surfaces and increasing the overall life of the seat.



Open or Encased Goggle Valve - GV Series

1915 SERIES

SUDE 1915 GV Series Goggle Valve, meticulously designed for the isolation of gases in blast furnace containing hazardous gases and gas pipelines also for gases containing high dust particles also ensuring 100% leak tight closure and man-safe design.

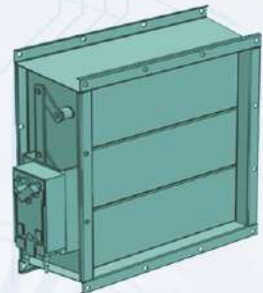


Our Specialized Products

CHECK DAMPER-This valve used for the ventilation and air conditioning system in nuclear power plant. We are having series for damper dia.100 mm to 1250 mm & in square damper sq.100 to sq.1600 mm with ASME AG-1 leakage criteria.



FIRE DAMPER-Fire dampers contain fire and smoke, maintain building compartmentation, ensure safe evacuation, protect systems, and comply with safety codes. We offer both 90-minute and 120-minute fire resistance options.

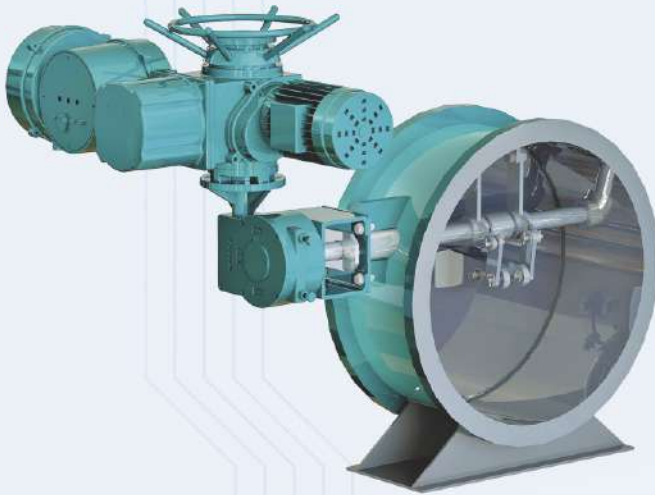


DTPA DAMPER-We are introducing a high-capacity DTPA Damper designed to isolate, control, or regulate hot flue gas in various industrial applications. This represents a new development for cement plants



AIR RELIEF VALVE- An air relief valve, also known as an air vent valve or an air release valve, serves a crucial role in plumbing, irrigation, and fluid systems by automatically releasing air pockets or trapped gases from the system we have developed Dia.700 mm size.

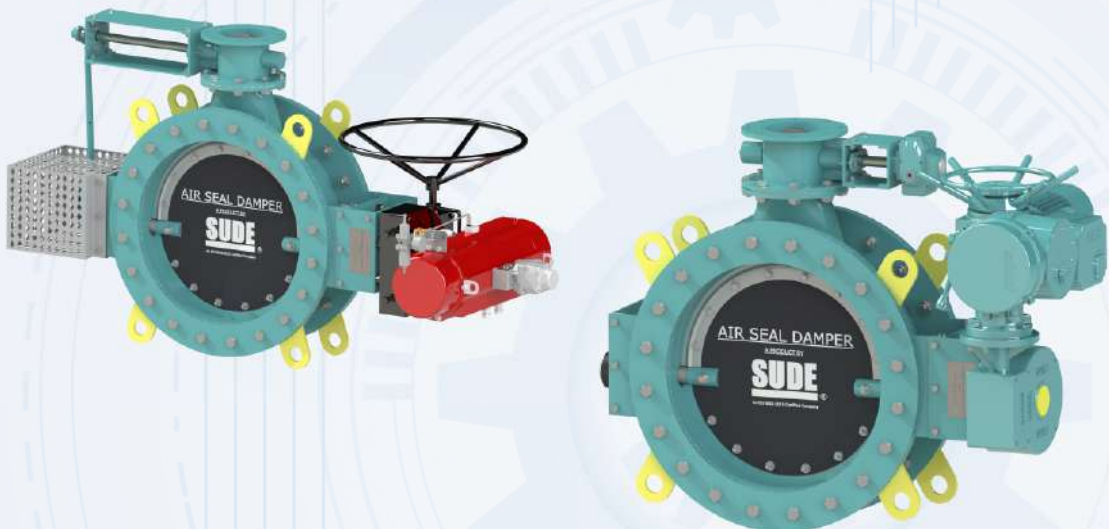




The 1916 Series Three-Lever Valve from Sude Engineering Pvt. Ltd. is a robust and versatile valve designed to enhance control and efficiency in various industrial applications. Engineered for precision and durability, this valve is ideal for managing isolation of fluid flow in complex systems, for high operating frequency. Three-Lever Valve is ideally suited for applications where gaseous media need to be isolated and operated under relatively low differential pressures (up to approximately 200 mbar). This valve is designed to function effectively in environments where static pressures may be higher, either when the valve is in the open or closed position. Its robust construction and precise control mechanism ensure reliable performance in these specific conditions.

Air Seal Butterfly Damper Valves

The Application of Air Seal Damper Valves is to ISOLATE the media i.e. Air/GAS in the duct line, where 100% sealing efficiency is mandatory. Such gas tight shut-off applications are required in regenerative thermal oxidiser (RTO) technology, flue gas desulphurisation, dust extraction of furnaces, utilisation of SO₂, SO₃, NO_x as well as for air tight sealing of production processes in smelters, chemical and paper industry, glass smelters, non-ferrous metals smelters, etc.



Ventilation Channel Closing Device-VchCD Series

1919 SERIES



"Ventilation Channel Closing Device is a perfect assembly of casing, blade/flap, flange, axle, sealing mechanism and drive element in such a way that the blades connected to axle moves to close position on the impact of air shock wave and after the shock wave impact blade gets back to the original position." Air ducts of ventilation systems crossing outside walls of buildings designed for shock wave impact are equipped with ventilation channel closing device (VchCD).



Hot Blast Valve- HBV Series

1920 SERIES

At Sude Engineering Corporation, we are dedicated to engineering excellence and innovation. We are proud to present our latest breakthrough in industrial technology: the Hot Blast Valve. This state-of-the-art component is designed to enhance the efficiency and safety of high-temperature processes, setting a new standard in reliability and performance.

The Hot Blast Valve features advanced engineering and robust construction, tailored to meet the demands of modern industrial applications. With its superior temperature resistance, precise control mechanisms, and ease of maintenance, it stands out as a pivotal solution for optimizing your operations.



Double Eccentric Butterfly Valve

20000 SERIES



20000 Series is a shut-off bidirectional valve designed for installation in pipelines that could be also used as a control valve with in certain limits. The tightness is guaranteed by a special profile seal ring which in the standard version is fixed by stainless steel retaining ring. 20000 series valves offer a light weight, compact, and cost effective design with the advantage of a low operating torque. The double Eccentric shaft and disc arrangement provides camming action to the disc which disengages from the seat with minimal rotation due to which this valve requires comparatively low torque to operate & this design minimizes the wear points at the top and bottom of the seat typically seen on conventional butterfly valves.

Bellow Sealed & Piston Valve with Diaphragm & Electric Actuator

9750 / 9760 P&B SERIES



Introduction - Bellow Sealed Valve

Bellow Sealed Valves are a new breed of Industrial process valves, designed to eliminate Valve leakage and also known as 'Zero Leak Valves' or 'Emission Free Valves.'

2/2 Way Motorized Globe Valves Fuel Oil / LPG & Air Application

9750 / 9760 P&B SERIES



High Temperature
Butterfly Valve

2 Way Electrical / Pneumatic Operated Lined/Unlined Weir/Straight Pattern Diaphragm Valve

1850 / 1860 SERIES



2 Way Plug Valve Fitted with Electrical / Pneumatic Double Acting / Spring Return Actuator

1450 / 1460 SERIES



2 Way / 3 Way Control Valve With Electrical Actuator 2 Way / 3 Way High Gain & High Powered Pneumatic Control Valves

1750 / 1760 SERIES



Sude offer Pneumatic / Motorised diaphragm control valve series 1762 / 1763 / 1752 / 1753 by combining high technology engineering, modern manufacturing techniques & stringent quality control procedures. A wide variety of trim options, combined with design flexibility will satisfy majority of critical and non-critical applications found throughout the process, power and oil industries.

Control valve is the combination of valve body, bonnet and actuator which controls the flowing media based on the Input signal or in short it dispenses, dissipate or distribute energy in a system.

Pressure Reducing & De-superheating Station (PRDS)

1700-PRDS SERIES



2 Way / 3 Way Pneumatic / Electric Actuated Ball Valves

1362, 1363, 1352, 1353, 1355 SERIES

A ball valve, one type of quarter turn valve, is quite literally a ball placed in a passageway through which fluid flows. The ball has a hole through it, by which the valve opens and closes. When the ball is positioned so that the hole runs the same direction as the passageway, the fluid simply flows through the hole, and the valve is open. However, when the ball is positioned so that the hole is perpendicular to the passageway, the fluid cannot pass through, and the valve is closed. The ball is controlled from outside the valve, often with Electric and Pneumatic actuator which will turned the Ball to 90 degrees, or a quarter turn, back and forth to open and close the valve. Refer typical cut section of the Ball valve.



2-way Pneumatically Operated Full Bore Ball Valve



2-way Single Phase Electrically Operated Ball Valve



3-way Pneumatically Operated Ball Valve



2-way Three Phase Electrically Operated Ball Valve

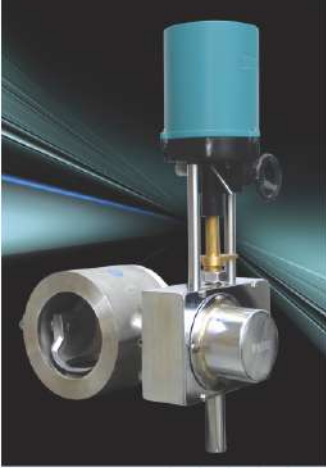


2 Way Electric Actuated Ball Valve Compact & Sleek Design

2-way Pneumatically Operated Full Bore Screwed Ball Valve

'V' Notch Segmented Ball Valve with Intelligent Electrical Actuator

1550 SERIES



Basis Weight Valve

Segmented Ball valve is a ball sector valve with metal to metal or metal to PTFE seating. The segmented ball valve combines the best control characteristic of the ball valve and the butterfly valve. It can be used both as a control valve and as a shut off valve. It is available as standard in Stainless steel. It is also available in other materials based on the application.



'V' Notch Segmented Ball Valve with Pneumatic Rotary Spring Return Actuator

1560 SERIES



Dilusion Valve

Segmented Ball valve is a ball sector valve with metal to metal or metal to PTFE seating. The segmented ball valve combines the best control characteristic of the ball valve and the butterfly valve. It can be used both as a control valve and as a shut off valve. It is available as standard in Stainless steel. It is also available in other materials based on the application.



Electropneumatic Positioner

2 Way Butterfly Valve Fitted With Reversible Stayput Type Electrical Actuator In Single Phase / Three Phase Actuator Construction

A butterfly valve is from a family of valves called quarter turn valves. 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 open, the disc is rotated a quarter turn so that it allows unrestricted passage. The position of the disc is effected from outside the valve.



2 Way Butterfly Valve Fitted With Pneumatic Double Acting / Spring Return Actuator

1260 SERIES



Incorporating the latest in valve manufacturing technologies Sude assures a consistent, high quality valve that will provide years of trouble-free service.

A butterfly valve is from a family of valves called quarter turn valves. 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 open, the disc is rotated a quarter turn so that it allows unrestricted passage. The position of the disc is effected from outside the valve.

There are different kinds of butterfly valves, each adapted for different pressures and different usage. The resilient butterfly valve, which uses the flexibility of rubber, has the lowest pressure rating. The high performance butterfly valve, used in slightly higher-pressure systems features a slight offset in the way the disc is positioned. Which increases the valve's sealing ability and decreases its tendency to wear. The valve best suited for high-pressure systems is the tricentric butterfly valve, which makes use of a metal seat and is therefore able to withstand a greater amount of pressure.

Plastic Butterfly and Ball Valves Fitted with Pneumatic / Electric Actuator

Plastic Butterfly Valve with Pneumatic Rotary Spring / Double Acting Actuator

1268 SERIES

Plastic Butterfly Valve with Single / Three Phase Electric Actuator

1258 SERIES

Plastic 2 Way Flange Ball Valve with Pneumatic Rotary Single / Double Acting Actuator

1368 SERIES



Plastic 2 Way Flange Ball Valve with Single Phase Electric Actuator

1358 SERIES

Plastic 2 Way Screwed Ball Valve with Single Phase Electric Actuator

1358 SERIES

Plastic 2 Way 3 Way Screwed Ball Valve with Pneumatic Rotary Single / Double Acting Actuator

1368 SERIES



Knife Edge Gate Valve with Electric / Pneumatic Actuator

1600 SERIES



Compact bi-directional valve with full bore specially designed for good flow characteristics and simple maintenance which makes it suited for both liquids and dry media. Specifically designed and manufactured to meet the worst working conditions in Pulp & Paper, Mining & Steel, Power & Chemical Industries to handle Semi-Solids, Dry-Ash, Chips, Fiber contents Pulps etc.

Light weight, minimum space for installing, easy operation and maintenance. Trim options are available to suit individual requirements for various working conditions.

Knife Gate Valves are available with Soft Sealing and Metal to Metal sealing options to suit varied working conditions.

Zero Bacteria Food Grade Ball & Butterfly Valve with Pneumatic & Electric Actuator

1257 / 1267 / 1357 / 1367 SERIES

Zero bacteria means a product which has to be free from impurities and their Key component areas along with important points which is to be covered in Ball valve and Butterfly valve.



Sluice / Gate Valve with Electric / Pneumatic / Hydraulic Actuator

9650 / 9660 / 9670 SERIES



Electric Actuated Glass Control Valve

6600 SERIES



Automated Flush Bottom Valves

1800 SERIES



Rack & Pinion Construction Pneumatic Quarter Turn Actuator



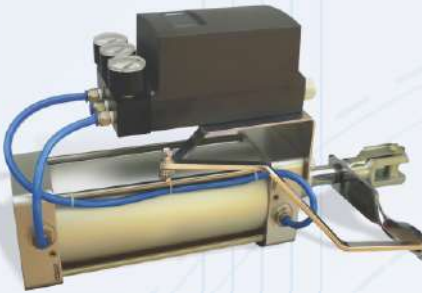
Power Cylinder with Electro Pneumatic Positioner

1100 SERIES

Heavy Duty Torque "Scotch & Yoke Quarter Turn Pneumatic Actuator"

SUDE-00D/S SERIES

SUDE is always keeping its advantage of leading technology so as to produce high quality products and promptly provide customers with comprehensive and satisfactory services.



Plastic Diaphragm Valves Fitted With Pneumatic and Electric Actuator

9800 SERIES



Solenoid Valves | Angle Valves 2/2 Way Pilot Operated Normally Closed / Normally Opened Diaphragm Type Solenoid Valves

1181 SERIES

2/2 Way Solenoid Valves With Pulse Control

1181B SERIES



2/2 Way Pilot - Operated Steam Solenoid Valves

1181D SERIES



Solenoid valves are control units which, when electrically energized or de-energized, either shut off or allow fluid flow. The actuator takes the form of an electromagnet. When energized, a magnetic field builds up which pulls a plunger or pivoted armature against the action of a spring. When de-energized, the plunger or pivoted armature is returned to its original position by the spring action.

2/2 Way Pilot-operated Solenoid Valves Normally Closed / Normally Opened Diaphragm Type

1181F SERIES



2/2 Way Solenoid Valves Semi Lift Diaphragm Type

Direct Acting

1182B SERIES



Electro - Hydraulic Actuator

10000 SERIES

Sdtork designed & developed a good range of Electro Hydraulic Actuator for innovative valve automation package to the global energy & process industries. This Electro Hydraulic actuator available for Rotary and Quarter Turn & linear type of actuation.



Model	Torque Nm
SD-10000-10-01	600
SD-10000-10-02	1100
SD-10000-10-03	2200
SD-10000-10-04	5000
SD-10000-10-05	9000
SD-10000-10-06	16000
SD-10000-10-07	32000

Quarter Turn Electro Hydraulic Actuator

Linear Type Electro Hydraulic Actuator



Model	Torque Nm
SD-10000-11-01	24
SD-10000-11-02	30
SD-10000-11-03	48
SD-10000-11-04	78
SD-10000-11-05	123
SD-10000-11-06	192
SD-10000-11-07	240

Test Jig for Testing & Calibration



Test Jig for Testing & Calibration of Electrical Actuator



Tork Testing Jig



High Pressure Hydro Test Jig for Valve Testing

About Us

We at SUDE Bangalore since its establishment in 1989 are positioning ourselves as a 'Specialized Company for Automated Valves' used in Process Industries and also required in all sectors of Industries in the world. Since its foundation by Mr. D. R. Shetty in 1989 SUDE has developed with his vision who is a technocrat in Valve Automation Industry and initially started with smaller automation and later on turned to be a System Integrator in Valve Industry along with the manufacturing of Dampers with a wide range having a SSI unit at Pune, and manufacturing Electrical Actuator under the brand name of Sdtork also located at Pune and manufacturing Basis Weight valve under the brand name of Kriss Instrumentation located in Bangalore.

We try to maximize the customer satisfaction on the stand point of our customers, by corresponding to demands from various customers and developing application. It creates means of offering the stable product, flexible service to adapt and exceed our customer's demand. SUDE, a people company, we don't just sell product; we sell technology and the value addition to the end user. We can also design valves known as 'Custom Made Valves' to meet customer specific requirement and operation parameters.

The essential business of SUDE is in Valve Automation and distribution of Fluid flow control equipment. SUDE has also realized that one of the most important keys to meeting customer needs is a comprehensive offering of Valves and Actuation to service the ever increasing demand for 'Automated Process Control', 'Dedicated to support the customers valve automation needs' – from technical assistance in the specification phase, through manufacturing and testing and to on time delivery.

Our philosophy as a company has been always distinguished by the quality of our products and the service to our customers i.e by combining high quality products, field and design experience, Sude is able to satisfy all the customers and market expectations by offering reliable, flexible and customized solutions together with a qualified service.

Further to the above this is to your information M/s. Sdtork Controls Pvt. Ltd, situated in Pune is manufacturing Electrical actuators from smallest to biggest range for all kind of valves and Dampers.

Another associate company of ours KRISS Instrumentation since its establishment in 1993 is involved mainly in manufacturing / supply of Basis weight valve used in Paper Industry for GSM Control application which helps to accomplish greater accuracy with weight and thickness of the paper.

The creation of Sude Unit II at Pune and our associate Kriss Instrumentation, Bangalore & Sdtork Controls Pvt. Ltd., Pune further reinforces our commitment to remain the leader in Automated Valves, Electrical Actuator, Damper Automation and control of fluid process systems.

Growth is an indication of success and continued relevance. At Sude the last two decades have been an exciting journey of Learning, Innovation and Growth. Sude has dealt with several differentiated products that were conceived through integration with customers and subsequently commissioned successfully on field.

Your Success is Our Commitment.



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**SUDE ENGINEERING PRIVATE LIMITED
SDTORK CONTROLS PVT. LTD.**



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