



# 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
- Satallite Launching Unit
- Water Distallation 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
- Filteration 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**

**Ex ATEX** EX d Actuators



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**

**Ex ATEX** EX d Actuators



# 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



**SUDE sdtork**

The Complete Solution in Valve Automation

# 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

## 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

Piston Type

2/2 Way Solenoid Valves  
Semi Lift Diaphragm Type

Direct Acting

**1181F SERIES**

**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.

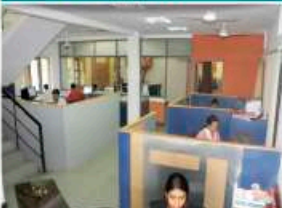
Further to the above this is to your information M/s. Sdtork Controls Pvt. Ltd, situated in Pune is manufacturing Electrical actuators from smallest to biggest range for all kind of valves and Dampers.

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.

### Sales & Support



### Pune Factory



### Training Center



### R&D



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**SUDE ENGINEERING CORPORATION  
SDTORK CONTROLS PVT. LTD.**



#### Registered Office

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