

**All our ball valves can be fitted with:**

- single acting pneumatic actuator
- double acting pneumatic actuator
- spring return system(deadman)
- motor operated system
- gas over oil actuator
- line break system
- positioner
- manual override
- fire proof actuator system
- digital partial stroking
- box+limit switches
- solenoid valves
- air filters
- control panels



CE GEKO Fluid Control GmbH

**ABOUT GEKO**  
FLUID CONTROL GmbH

*Premier Manufacturer of  
Flow Control & Automation  
Products*

*GEKO Valves & Controls, born in Germany, is a well-known professional manufacturer of pneumatic & electric control valve and actuators. Building upon professional production capability for more than 60 years and extensive field experience, we offer industrial ball valves, gate valves, globe valves, butterfly valves, check valves. Serve industries like Chemical, Oil & Gas, Refining, Pulp & Paper, Mining & Minerals, and Power Generation Industries, etc. We have become one of the pioneers of global manufacturers of flow control valve. GEKO company is committed to the development of new products and strictly follow the quality control system, with advanced technology and reliable performance, the company has achieved DIN EN ISO 9001: 2000 certificate, DIN EN ISO 3834-2 (EN729-2) certificate, AD 2000-Merkblatt HPO certification and the EU CE safety certification.*

*Quality Assurance*

*It is the policy of Geko Fluid to achieve adequate quality assurance for the manufacture of all products to ensure they comply with contractual requirements. All sub-suppliers are totally committed to assure and achieve the contractual requirements through vigorous implementation of the quality assurance program. All purchased material is repeatedly inspected for conformity on receipt and after assembly. The quality assurance system established according to latest state-of-the-art principles fully complies with the requirements specified in international codes and regulations.*

*Approvals*

*ISO, PED, Fire Safe, ATEX, SIL*

**GEKO Main  
Customer' Approvals**

TSMC  
FORMOSA PLASTICS CORPORATION  
China Steel Corporation  
CHANGCHUN GROUP

DUBI ELECTRICITY&WATER AUTHORITY  
GE NUOVO PIGNONE

Antamina  
GEA  
HITACHI  
ABB  
EVN  
GE  
BOROUGE  
Steinsvik  
Takreer  
PETROFAC  
GRAND ENERGY  
QATAR PETROLEUM  
Saudi Arabia Arco Power Plant

YUNTIANHUA GROUP  
Jiangsu Yangnong Chemical Group Co., Ltd.  
FAW Group  
DONGFANG ELECTRIC  
SHAGANG GROUP  
Sichuan Lutianhua Co., Ltd.  
KISEN  
HydroChina ZhongNan Engineering Corporation  
BAOSTEEL  
BAOTOU&STEEL (GROUP) CO., LTD.  
ZHONGWANG Group  
Tyco Fire Protection Products

CNPC  
Sinopec Corp.  
HPGC  
CASC  
CRRC  
CNOOC  
CHINA SHENHUA  
China Guodian Corporation  
China Datang Corporation  
China Huaneng Group  
China Huadian Corporation  
SINOCHEM GROUP  
CHINA POWER INVESTMENT CORPORATION  
CHINA SHIPBUILDINGS INDUSTRY CORPORATION  
CHINA NATIONAL NUCLEAR CORPORATION

 **Geko Union/Geko Fluid Control GmbH**

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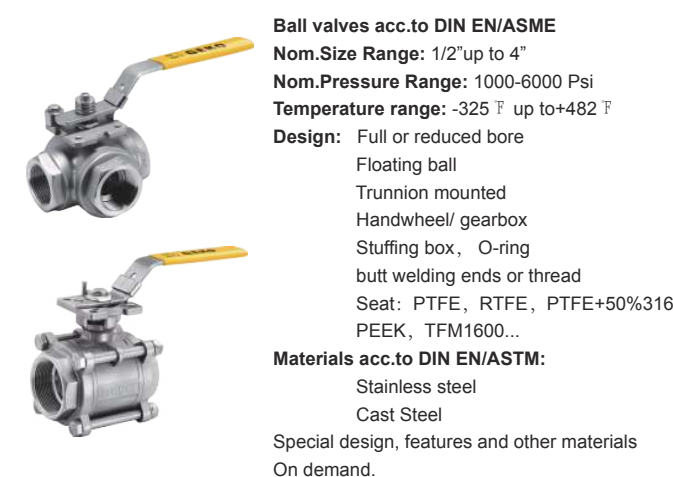
 **Geko Flow Control Technology  
(Changzhou) Co., Ltd**

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Tel: +86-519-8550 3155  
Fax: +86-519-8550 3133  
E-mail: geko@geko-valves.com





# PRODUCTS



**Ball valves acc.to DIN EN/ASME**  
**Nom.Size Range:** 1/2"up to 4"  
**Nom.Pressure Range:** 1000-6000 Psi  
**Temperature range:** -325 ℉ up to+482 ℉  
**Design:** Full or reduced bore  
 Floating ball  
 Trunnion mounted  
 Handwheel/ gearbox  
 Stuffing box, O-ring  
 butt welding ends or thread  
 Seat: PTFE, RTFE, PTFE+50%316  
 PEEK, TFM1600...  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Special design, features and other materials  
 On demand.



**Ball valves acc.to DIN EN/ASME/JIS**  
**Nom.Size Range:** 1/2"up to 24"  
**Nom.Pressure Range:** 1.6-4.0Mpa / Class 150-300/JIS-10K  
**Temperature range:** -325 ℉ up to+482 ℉  
**Design:** Full port  
 Floating ball  
 Trunnion mounted  
 Handwheel/ gearbox  
 Stuffing box, O-ring  
 Flange  
 Seat: PTFE, RTFE, PTFE+50%316  
 PEEK, TFM1600...  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Special design, features and other materials  
 On demand.



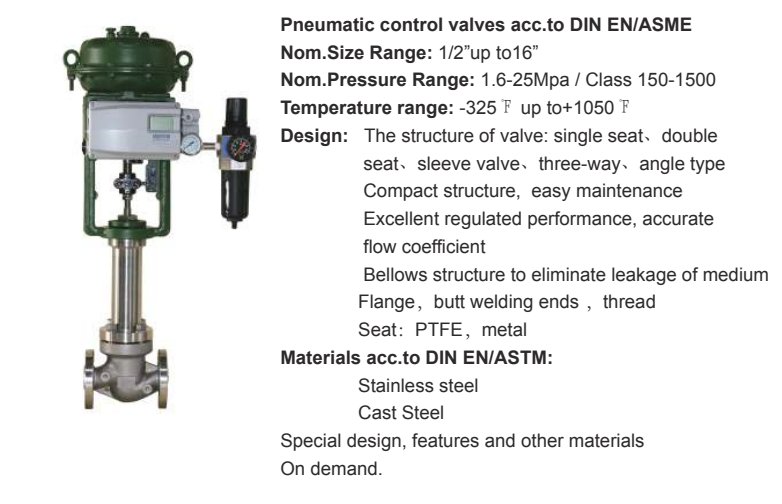
**Ultra clean ball valves acc.to DIN EN/ASME**  
**Nom.Size Range:** 1/4"up to4"  
**Nom.Pressure Range:** 1000 Psi  
**Temperature range:** -325 ℉ up to+482 ℉  
**Design:** Blow-out proof stem  
 precision investment cast body and caps  
 Three-piece swing-out design allows  
 in-line maintenance  
 Full port orifice minimizes pressure drop  
 across the pipeline  
 Self-adjusting floating ball enables tight internal seal  
 Card set, butt welding ends or thread  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Brass  
 Special design, features and other materials  
 On demand.



**Instrument valves acc.to DIN EN/ASME**  
**Nom.Size Range:** 1/2"up to1"  
**Nom.Pressure Range:** 10000-60000 Psi  
**Temperature range:** -325 ℉ up to+1050 ℉  
**Design:** Handwheel  
 Stuffing box, O-ring  
 Card set, butt welding ends or thread  
 Seat: PTFE, RTFE, PEEK, EPDM...  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Brass  
 Special design, features and other materials  
 On demand.



**Metal Service Ball valves acc.to DIN EN/ASME**  
**Nom.Size Range:** 1/2"up to24"  
**Nom.Pressure Range:** 1.6-42Mpa / Class 150-4500  
**Temperature range:** -325 ℉ up to+1103 ℉  
**Design:** High temperature and high pressure  
 Floating ball, Fixation ball  
 Trunnion mounted  
 More than MSS-SP61 standard,  
 achieve zero leakage  
 Flange, butt welding ends, thread  
 Seat: 410SS/HVOF, F6a/HVOF,  
 F304/HVOF, F316/HVOF  
 Inconel718/HVOF...  
**Materials acc.to DIN EN/ASTM:**  
 A105, A182-F22, A182-F91, A182-F304  
 A182-F316  
 Special design, features and other materials  
 On demand.



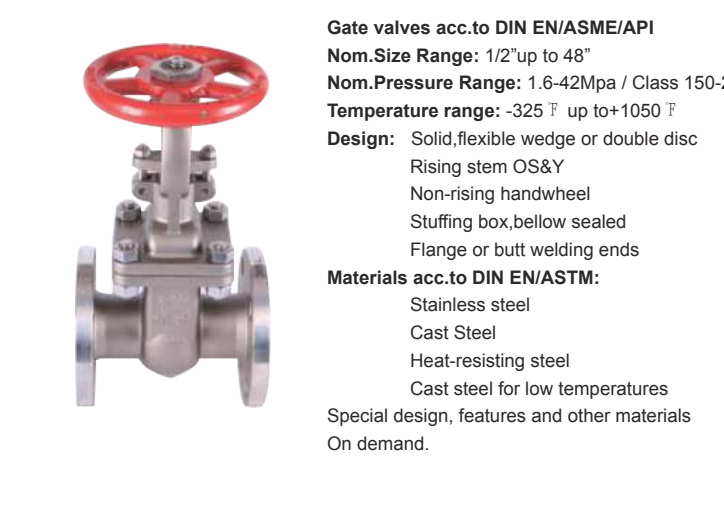
**Pneumatic control valves acc.to DIN EN/ASME**  
**Nom.Size Range:** 1/2"up to16"  
**Nom.Pressure Range:** 1.6-25Mpa / Class 150-1500  
**Temperature range:** -325 ℉ up to+1050 ℉  
**Design:** The structure of valve: single seat- double  
 seat- sleeve valve- three-way- angle type  
 Compact structure, easy maintenance  
 Excellent regulated performance, accurate  
 flow coefficient  
 Bellows structure to eliminate leakage of medium  
 Flange, butt welding ends, thread  
 Seat: PTFE, metal  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Special design, features and other materials  
 On demand.



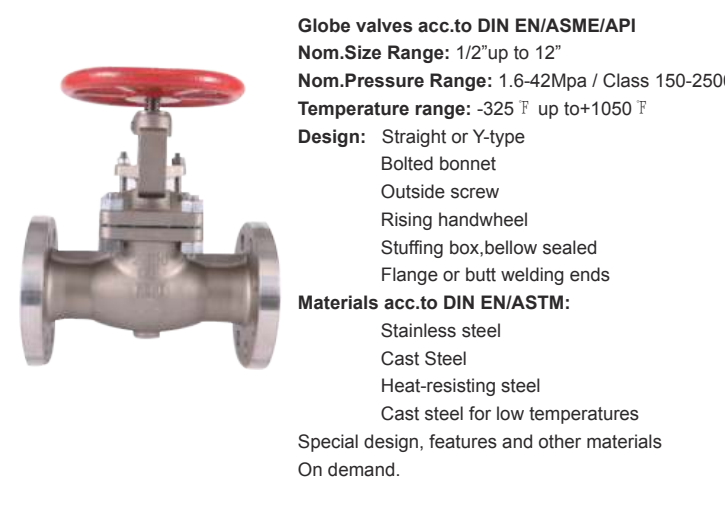
**Centric Rubber Seated Butterfly valves**  
**acc.to DIN EN/ASME**  
**Nom.Size Range:** 1/2"up to 80"  
**Nom.Pressure Range:** 1.6Mpa / Class 150  
**Temperature range:** -40 ℉ up to+392 ℉  
**Design:** E Centric  
 Handwheel/ gearbox  
 Wafer type, lug type, double flanged  
 Stuffing box, O-ring  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Special design, features and other materials  
 On demand.



**High Performance Butterfly valves**  
**acc.to DIN EN/ASME**  
**Nom.Size Range:** 1/2"up to 80"  
**Nom.Pressure Range:** 1.6-42Mpa /  
 Class150-2500  
**Temperature range:** -325 ℉ up to+1050 ℉  
**Design:** double-eccentric, triple-eccentric  
 Handwheel/ gearbox  
 Wafer type, lug type, double flanged  
 or butt welding ends  
 Stuffing box, O-ring  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Special design, features and other materials  
 On demand.



**Gate valves acc.to DIN EN/ASME/API**  
**Nom.Size Range:** 1/2"up to 48"  
**Nom.Pressure Range:** 1.6-42Mpa / Class 150-2500  
**Temperature range:** -325 ℉ up to+1050 ℉  
**Design:** Solid,flexible wedge or double disc  
 Rising stem OS&Y  
 Non-rising handwheel  
 Stuffing box,bellow sealed  
 Flange or butt welding ends  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Heat-resisting steel  
 Cast steel for low temperatures  
 Special design, features and other materials  
 On demand.



**Globe valves acc.to DIN EN/ASME/API**  
**Nom.Size Range:** 1/2"up to 12"  
**Nom.Pressure Range:** 1.6-42Mpa / Class 150-2500  
**Temperature range:** -325 ℉ up to+1050 ℉  
**Design:** Straight or Y-type  
 Bolted bonnet  
 Outside screw  
 Rising handwheel  
 Stuffing box,bellow sealed  
 Flange or butt welding ends  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Heat-resisting steel  
 Cast steel for low temperatures  
 Special design, features and other materials  
 On demand.



**Swing check valves acc.to DIN EN**  
**Nom.Size Range:** 1/2"up to 48"  
**Nom.Pressure Range:** 1.6-42Mpa / Class 150-2500  
**Temperature range:** -325 ℉ up to+1050 ℉  
**Design:** Bolted cover or pressure seal type  
 Inside shaft  
 Handwheel/ hand gear  
 Wafer type, lug type or double flanged  
 Viton, H-NBR, EPDM  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Heat-resisting steel  
 Cast steel for low temperatures  
 Special design, features and other materials  
 On demand.



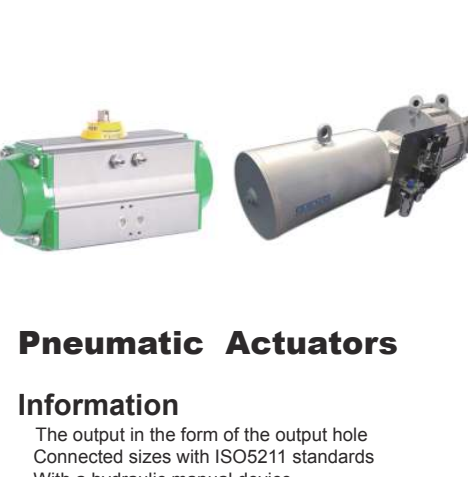
**Knife gate valve acc.to DIN EN/ASME**  
**Nom.Size Range:** 2"up to 48"  
**Nom.Pressure Range:** 1.6Mpa / Class 150  
**Temperature range:** -76 ℉ up to+176 ℉  
**Design:** Full or reduced bore  
 Handwheel/ hand gear  
 Wafer type, lug type or double flanged  
 Viton, H-NBR, EPDM  
**Materials acc.to DIN EN/ASTM:**  
 Stainless steel  
 Cast Steel  
 Special design, features and other materials  
 On demand.



**GKQ/GKL Electric Actuator**  
**Features**  
 Compact and robust construction, light weight  
 providing high output torque or thrust.  
 Wide range of torque variation ( From min 20Nm to  
 max 9000Nm) .  
 Hard anodized aluminum housing inside and  
 outside with external powder coated against  
 severe industrial environment.  
 Enclosure using radial seals & O-rings that provide  
 protection to waterproof IP67 ( Nema 4&6 ) and  
 optional watertight IP68.  
 Mounting base according to ISO5211 standard.  
 Removable drive bushing for easy machining and  
 mounting.  
 Self-locking Provided by double worm gearing ( no  
 brake required) .  
 Auto-declutching manual override handwheel with  
 padlockable auto/manual switchable lever.  
 Reliable Mechanical Torque sensing system  
 providing safe operation in overload condition.  
 Large size window and indicator provides better  
 position indication from a distance.  
 Various Local Position control options providing  
 easy commissioning and operation in field.  
 Digitalized control component.




**GKSA Series Frequency Convertible Electric Actuator**  
**Features**  
 The intergrated converter in actuator can control the  
 steering motor and can be also used for optimal  
 control of motor, and no external electronic  
 contactless commutation.  
 The steering motor controlled by the intergrated CPU  
 and converter is electronic contactless commutation.  
 Electronic limit protection and over torque protection  
 instead of the traditional mechanical limit switch and  
 torque switchch.  
 High reliability of non-contact electromagnetic brake  
 insted of the traditional mechanical contracting  
 brake.  
 Can prevent the motor Idling and user can set freely  
 the braking intensity 0~250%. NO mechanical wear  
 and no need of maintenance.  
 The function of flexible start and electromagnetic  
 braking can be used for precise fine-tuning and  
 positioning.  
 Can be split installation.The control parts and the  
 Mechanical parts can be split installation if space  
 limit and high temperature and the excessive  
 vibration and so on.  
 Applying with a special aluminum alloy body. Light  
 weight. High strength and good corrosion resistance.



**Pneumatic Actuators**  
**Information**  
 The output in the form of the output hole  
 Connected sizes with ISO5211 standards  
 With a hydraulic manual device  
**Advantages**  
**ISO Valve Mounting**  
 The GKSF series Actuators interface meets ISO  
 standard, and meets the dimensional requirement of  
 ISO defined for each torque range.  
**Corrosion Resistant**  
 The GKSF series actuators incorporate over three  
 stages of internal and external coatings to resist severe  
 weather, chemical and petroleum environments. The  
 inner surface of cylinder is coated by PTFE, Enhanced  
 corrosion resistant and self-lubricating.  
**Standardized**  
 The shaft driven accessory interface conforms to  
 NUMAR and is identical on all GKSF Series models,  
 allowing standardiz ation of accessory Mounting  
 hardware and installation practices.  
**Wear resistant**  
 The guider rod and piston rod have an advanced  
 surface treatment, which combined with self-lubricating  
 bearings, provides superior wear resistance and  
 extends the life of all sliding components  
**High Efficiency**  
 The piston rod and guide block connection, superior  
 surface finishes and self-lubricating bearings maximize  
 input energy transfer directly to the valve stem.  
 Efficiency is further enhanced by the tension-loaded  
 Spring,minimizing radials loads on the Piston rod.  
**General Application**  
 Torque Outputs  
 Double acting: 7.6~250000Nm  
 Spring return end torques: 6.7~71764Nm  
 Operating Temperatures  
 Standard: -20 C~80 C  
 Low Temperature: -40 C~80 C  
 High Temperature: -20 C~120 C  
 Operating Pressures  
 Pneumatic: 3~7Bar



**Solenoid Valve**  
**Body:**Extruded aluminum- SS316L  
**Function:**5/2 and 3/2NC  
**Protection level :**IP65  
**Insulated level:**F Class, <=1000V  
**Assembly and Connection:**24x32 Namur and  
 in-line(pipe).  
**Explosion level:**Ex II2 G Ex d IIC T6, DIPA20- TA,  
 T6  
**Control:**Single control(double control optioned)  
**Working Pressure:**1bar to 8bar.  
**Working Life:**more than 3500,000 cycle (On the normal  
 working condition)  
**Working voltage:**12/24/48VDC-3.5 W  
 10/210/220/240VAC-4VA(50/60HZ)



**Mechanical Locator**  
**Brief**  
 Electric - gas valve positioner is a GKEP-400R/L from the controller or control  
 system to accept 4 ~ 20mA DC current signal to the executing agency angle  
 pneumatic conveying trip air valve to control the location of the device.  
**Characteristics**  
 - 5 ~ 200Hz in the range of non-resonance phenomenon.  
 - Forward and reverse, dual-role single-role and can be easily converted  
 between.  
 - For small executive body can reduce the positioning device to prevent  
 shocks Orifice.  
 - Low air consumption, the economy is good.  
 - Do not have replacement parts can be achieved 1 / 2 points within the  
 scope of process control.



**Limit Switch**  
**Brief**  
 GKS-100/GKS-300 Series Explosion-proof limit switch is a  
 remote control for the valve device of the signal through the  
 switch valve to show the work of the state of the valve.  
 - optional multi-point terminal.  
 - There are DPDT, proximity switches, magnetic switch optional.  
 - 4 species stand in line with the NAMUR standard to connect.  
 - The product is in line with U.S. STANDARDS in line with European  
 standards.  
 - Explosion Exd II C T6, in line with the EN50014/50018.  
**Characteristics**  
 - A simple switch operation can be calibrated automatically.  
 - Equipped with a communication module, and so we can monitor the locator in  
 the distance condition of the trip.  
 - When there is abnormal movement, issued a warning to the control room.  
 - Can facilitate the increase in valve position transmitter module.  
 - Because with LCD, so we do not have other equipment can be confirmed that  
 the current opening.



**Smart Positioner**  
**Brief**  
 Intelligent valve positioner GK-2300L, GK-2300R use of embedded  
 microprocessors, can be precise control of valve position valve straight trip.  
 Ordinary locator of 4 ~ 20mA current signal, and play a variety of functions, to  
 maximize the performance of the system's high-end products.  
**Characteristics**  
 - A simple switch operation can be calibrated automatically.  
 - Equipped with a communication module, and so we can monitor the locator in  
 the distance condition of the trip.  
 - When there is abnormal movement, issued a warning to the control room.  
 - Can facilitate the increase in valve position transmitter module.  
 - Because with LCD, so we do not have other equipment can be confirmed that  
 the current opening.