

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



**Control&On-off Valve Manufacture
Since 1956**

**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
SINOCHEN GROUP
CHINA POWER INVESTMENT CORPORATION
CHINA SHIPBUILDINGS INDUSTRY CORPORATION
CHINA NATIONAL NUCLEAR CORPORATION

 **Geko Union/Geko Fluid Control GmbH**

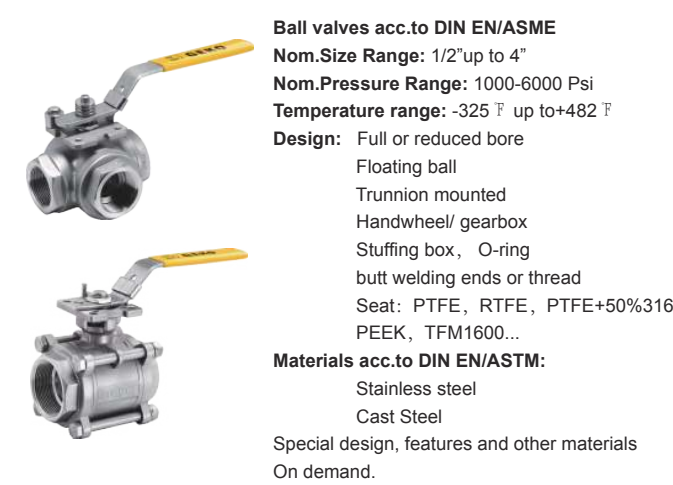
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Fax: +49 (0) 711-21570744
URL: www.geko-union.com
E-mail: info@geko-union.com

 **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



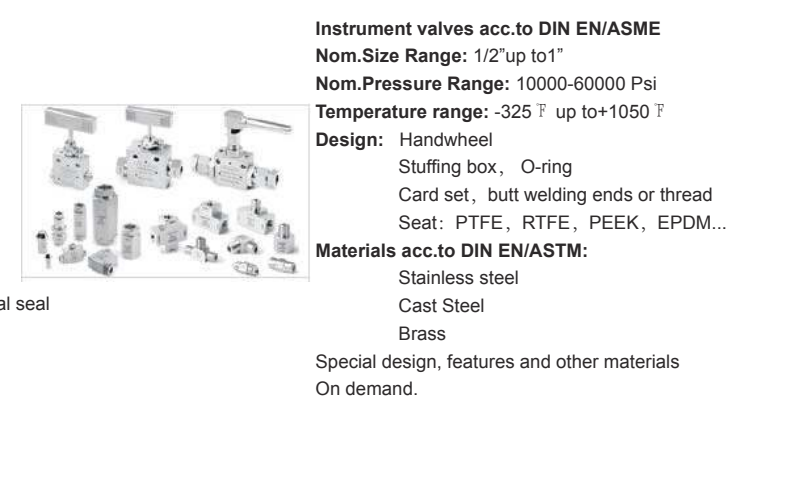
Ball valves acc.to DIN EN/ASME
Nom.Size Range: 1/2"up to 4"
Nom.Pressure Range: 1000-6000 Psi
Temperature range: -325 ℉ up to+482 ℉
Design: Full or reduced bore
 Floating ball
 Trunnion mounted
 Handwheel/ gearbox
 Stuffing box, O-ring
 butt welding ends or thread
 Seat: PTFE, RTFE, PTFE+50%316
 PEEK, 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.



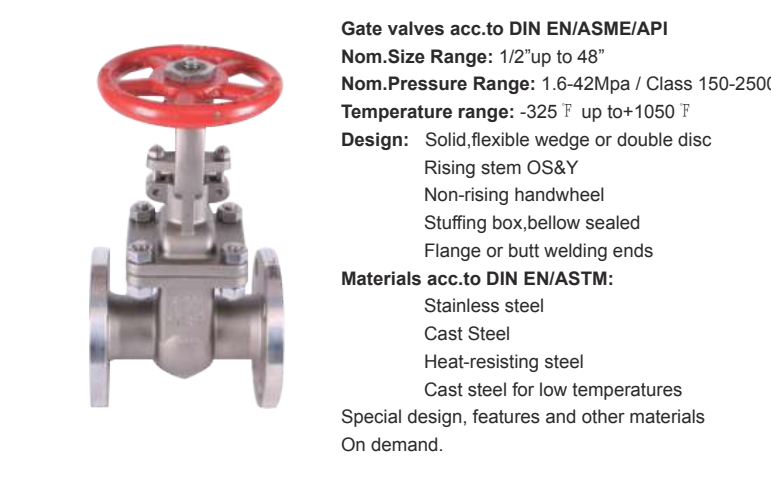
Pneumatic control valves acc.to DIN EN/ASME
Nom.Size Range: 1/2"up to16"
Nom.Pressure Range: 1.6-25Mpa / Class 150-1500
Temperature range: -325 ℉ up to+1050 ℉
Design: The structure of valve: single seat, double seat, sleeve valve, three-way, angle type
 Compact structure, easy maintenance
 Excellent 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.



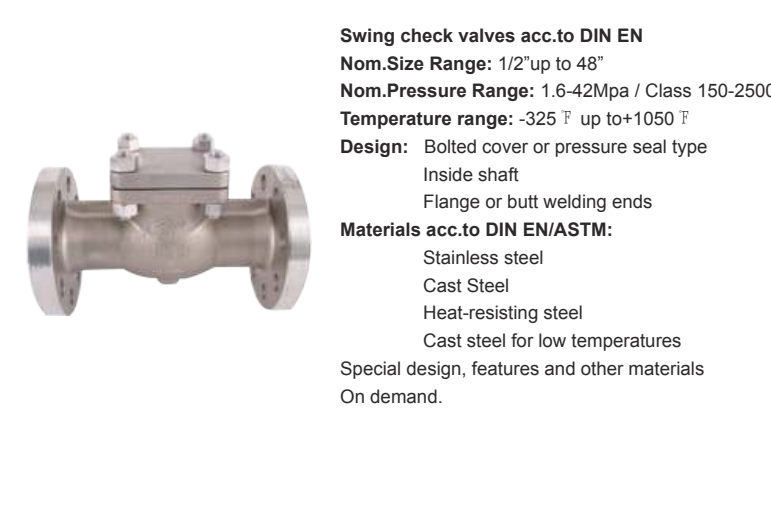
High Performance Butterfly valves acc.to DIN EN/ASME
Nom.Size Range: 1/2"up to 80"
Nom.Pressure Range: 1.6-42Mpa / Class150-2500
Temperature range: -325 ℉ up to+1050 ℉
Design: double-eccentric, triple-eccentric
 Handwheel/ gearbox
 Wafer type, lug type, double flanged or butt welding ends
 Stuffing box, 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.



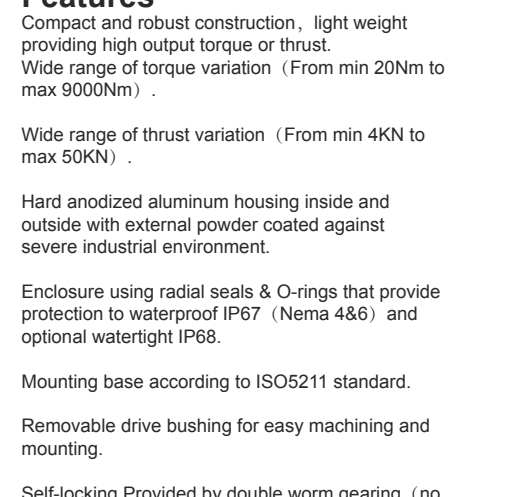
Swing check valves acc.to DIN EN
Nom.Size Range: 1/2"up to 48"
Nom.Pressure Range: 1.6-42Mpa / Class 150-2500
Temperature range: -325 ℉ up to+1050 ℉
Design: Bolted cover or pressure seal type
 Inside shaft
 Handwheel/ hand gear
 Flange or butt welding ends
Materials acc.to DIN EN/ASTM:
 Stainless steel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



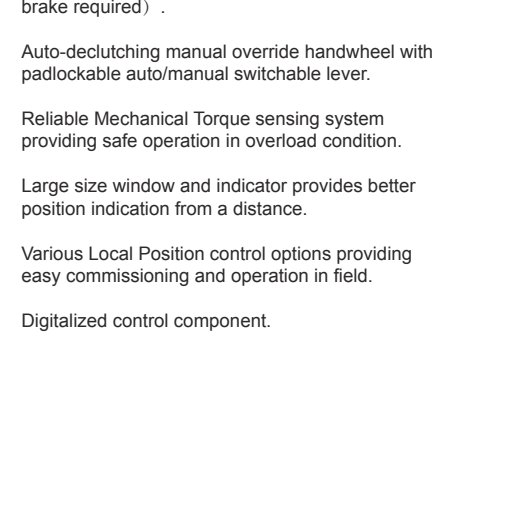
Knife gate valve acc.to DIN EN/ASME
Nom.Size Range: 2"up to 48"
Nom.Pressure Range: 1.6Mpa / Class 150
Temperature range: -76 ℉ up to+176 ℉
Design: Full or reduced bore
 Handwheel/ hand gear
 Wafer type, lug type or double flanged
 Viton, H-NBR, EPDM
Materials acc.to DIN EN/ASTM:
 Stainless steel
 Cast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



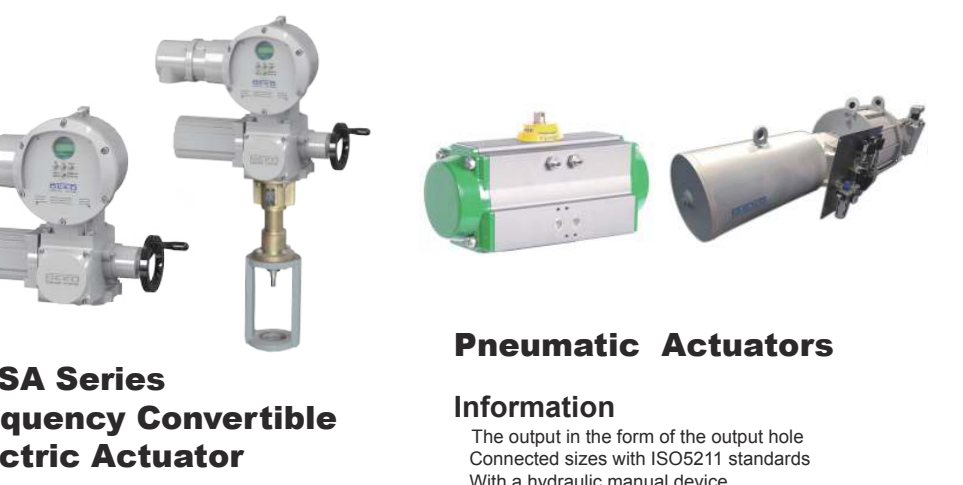
GKQ/GKL Electric Actuator
 Compact and robust construction, light weight providing high output torque or thrust.
 Wide range of torque variation (From min 20Nm to max 9000Nm) .
 Hard anodized aluminum housing inside and outside with external powder coated against severe industrial environment.
 Enclosure 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.



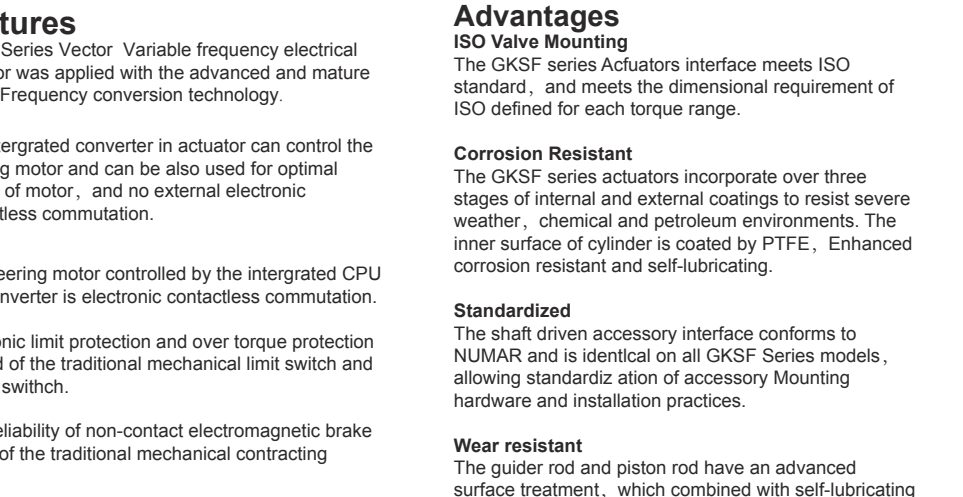
GKSA Series Frequency Convertible Electric Actuator
 The intergrated converter in actuator can control the steering motor and can be also used for optimal control of motor, and no external electronic contactless commutation.
 Electronic limit protection and over torque protection instead of the traditional 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.



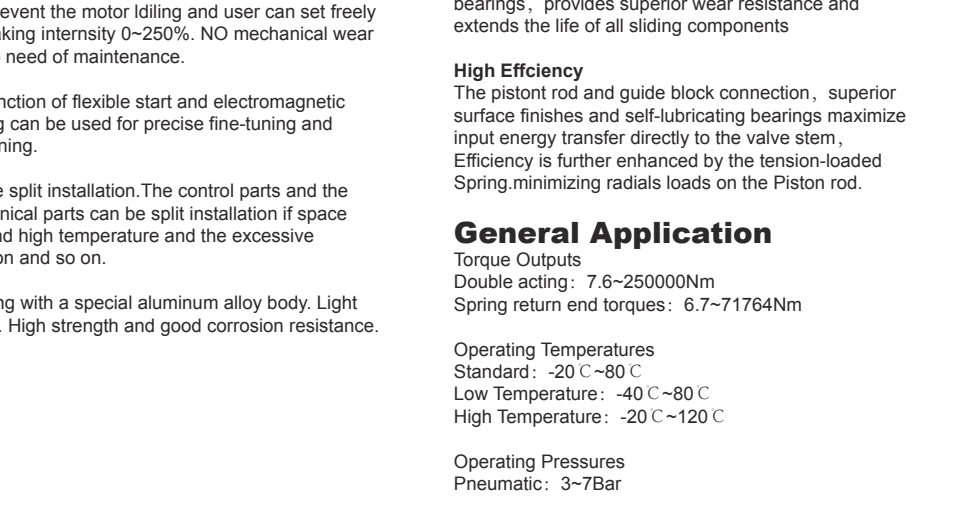
Pneumatic Actuators
Information
 The output in the form of the output hole
 Connected sizes with ISO5211 standards
 With a hydraulic manual device
Advantages
ISO Valve Mounting
 The GKSF series Actuators interface meets ISO standard, and meets the dimensional requirement of ISO defined for each torque 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)



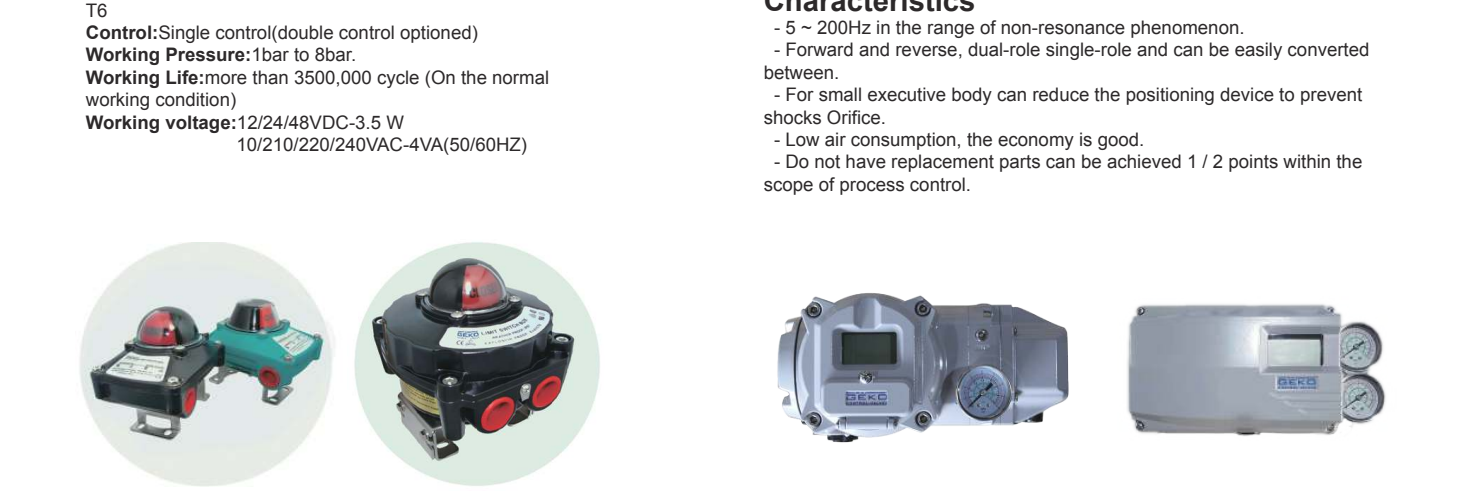
Mechanical Locator
Brief
 Electric - gas valve positioner is a GKEP-400R/L from the controller or control system to accept 4 ~ 20mA DC current signal to the executing agency angle pneumatic conveying trip air valve to control the location of the device.
Characteristics
 - 5 ~ 200Hz in the range of non-resonance 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.



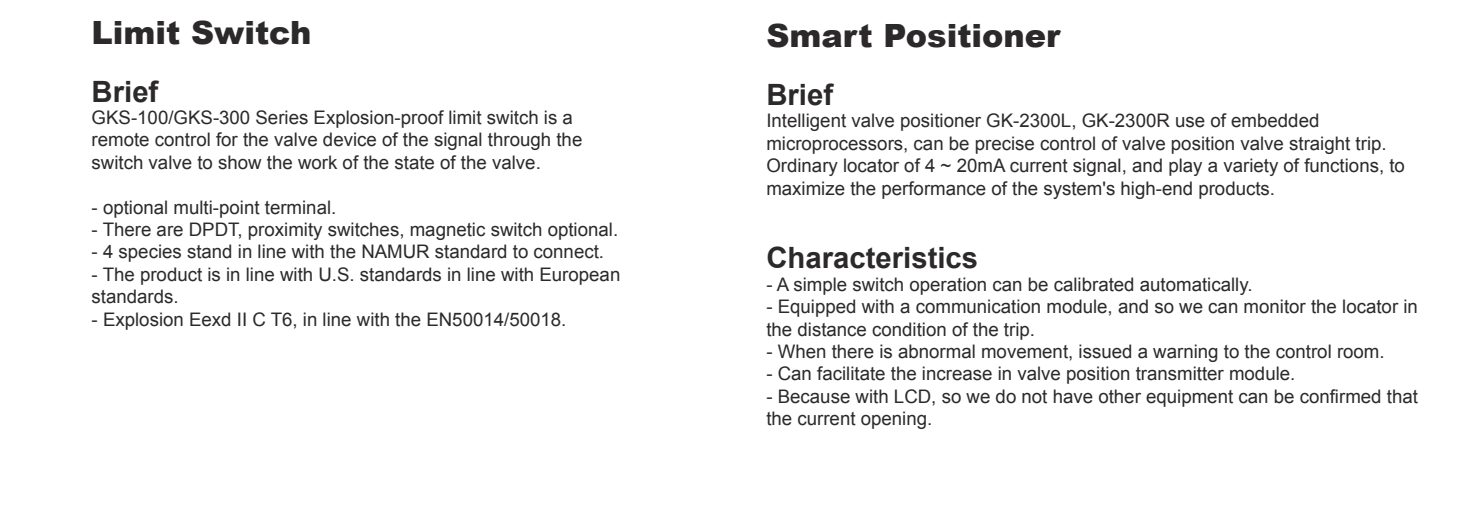
Limit Switch
Brief
 GKS-100/GKS-300 Series Explosion-proof limit switch is a remote control for the valve device of the signal through the switch valve to show the work of the state of the valve.
 - optional multi-point terminal.
 - There are DPDT, proximity switches, magnetic switch optional.
 - 4 species 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.
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