



**KPI GROUP**

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## BUTTERFLY VALVE LINE

### Double Eccentric Butterfly Valve Model D/MD

Construction Standard: API 609  
Connection End: wafer, lug, flange  
Pressure:

CL150 - CL300 (Series A)  
CL150 - CL900 (Series B)

Size: 2" - 64"

Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.  
Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



### Triple Eccentric Butterfly Valve Model T

Construction Standard: API 609  
Connection End: wafer, lug, butt-weld, flange  
Pressure: CL150 - CL900  
Size: 2" - 60"

Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.  
Operator: lever, gear, pneumatic actuator, electrical actuator, etc.

### Concentric Butterfly Valve Model C

Construction Standard: API 609  
Connection End: wafer, lug, flange, U-Section  
Pressure: CL150  
Size: 2" - 80"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium etc.  
Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



### PTFE Lined Butterfly Valve Model CL

Construction Standard: API 609  
Connection End: wafer, lug, flange  
Pressure: CL150  
Size: 2" - 36"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.  
Operator: lever, gear, pneumatic actuator, electrical actuator etc.

## BALL VALVE LINE

### Double Eccentric Butterfly Valve Model D/MD

Construction Standard: API 609  
 Connection End: wafer, lug, flange  
 Pressure: CL150-CL300 (Series A)  
 CL150-CL900 (Series B)  
 Size: 2" - 64"  
 Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium etc.  
 Operator: lever, gear, pneumatic actuator, electrical actuator etc.



### Trunnion Mounted Ball Valve Model BT

Construction Standard: API 6D  
 Connection End: flange, butt-weld, socket weld  
 Pressure: CL150-CL2500  
 Size: 2" - 56"  
 Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium etc.  
 Operator: lever, gear, pneumatic actuator, electrical actuator etc.



### Top Entry Ball Valve Model BTE

Construction Standard: API 6D  
 Connection End: flange, butt-weld  
 Pressure: CL150 - CL2500  
 Size: 2" - 32"  
 Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.  
 Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



### V-Port Ball Valve Model BVP

Construction Standard: API 6D  
 Connection End: flange, butt-weld  
 Pressure: CL150 - CL600  
 Size: 1" - 14"  
 Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.  
 Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



# GATE VALVE LINE

## Rising /Non-Rising Stem Valve Model GR /GN

Construction Standard: API 600, API 602, API 603, API 6A

Connection End: flange, butt-weld

Pressure: CL150 - CL2500

Size: 1/2" - 56"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless

steel, monel hastelloy, titanium, etc.

Operator: handwheel, gear, pneumatic actuator, electrical actuator, etc.



## Through Conduit Gate Valve Model GS / GE

Construction Standard: API 6D

Connection End: flange, butt-weld

Pressure: CL150 - CL1500

Size: 2" - 36"

Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.

Operator: handwheel, gear, pneumatic, actuator, electrical actuator, etc.

## Pressure Seal Gate Valve Model GP

Construction Standard: ASME B16.34

Connection End: butt-weld

Pressure: CL600 - 2500LB

Size: 2" - 30"

Construction Material: alloy steel

Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



## Knife Gate Valve Model GK

Construction Standard: MSS SP-81

Connection End: wafer, lug, flange

Pressure: CL150

Size: 7" - 56"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.

Operator: handwheel, gear, pneumatic actuator, electrical actuator, etc.

## GLOBE VALVE LINE

### T Pattern Globe Valve Model JR

Construction Standard: ASME B16.34, BS 1873

Connection End: flange, butt-weld

Pressure: CL150 - CL2500

Size: 2" - 24"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless

steel, monel, hastelloy, titanium, etc.

Operator: handwheel, gear, pneumatic actuator, electrical actuator, etc.



### Y Pattern Globe Valve Model JR / JY

Construction Standard: ASME B16.34, BS 1873

Connection End: flange, butt-weld

Pressure: CL150 - CL2500

Size: 2" - 24"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless

steel, monel, hastelloy, titanium, etc.

Operator: handwheel, gear, pneumatic actuator, electrical actuator, etc.



### Pressure Seal Globe Valve Model JP / JY

Construction Standard: ASME B16.34

Connection End: flange, butt-weld

Pressure: CL600 - 2500LB

Size: 2" - 24"

Construction Material: alloy steel

Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



### Angle Pattern Globe Valve Model J A

Construction Standard: ASME B16.34, BS 1873

Connection End: flange, butt-weld

Pressure: CL150 - CL600

Size: 2" - 24"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless

steel, monel, hastelloy, titanium, etc.

Operator: handwheel, gear, pneumatic actuator, electrical actuator, etc.



# CHECK VALVE LINE

## Swing Check Valve Model ZS

Construction Standard: API 6D, ASME B16.34, BS 1868

Connection End: flange, butt-weld

Pressure: CL150 - CL2500

Size: 2" - 48"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless



## Wafer Check Valve Model ZW

Construction Standard: API 594, API 6D

Connection End: wafer, lug, flange

Pressure: CL150 - CL2500

Size: 2" - 48"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.



## Pressure Seal Check Valve Model GP

Construction Standard: ASME B16.34

Connection End: flange, butt-weld

Pressure: CL600 - 2500LB

Size: 2" - 30"

Construction Material: alloy steel



## Tiling Disc Check Valve Model ZT

Construction Standard: ASME B16.34

Connection End: flange

Pressure: CL150 - CL600

Size: 2" - 30"

Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.



# PLUG VALVE LINE

## Sleeve Type Plug Valve Model PS

Construction Standard: API 6D, API 599

Connection End: flange, butt-weld

Pressure: CL150 - CL900

Size: 1/2" - 14"

Construction Material: carbon steel, stainless steel, monel, hastelloy, titanium, etc.

Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



## Inverted Pressure Balance Lubricate Plug Valve Model PI

Construction Standard: API 6D, API 599

Connection End: flange, butt-weld

Pressure: CL150 - CL900

Size: 1/2" - 14"

Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.

Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



## Lift Type Plug Valve Model PL

Construction Standard: API 6D, API 599

Connection End: flange, butt-weld

Pressure: CL150 - CL900

Size: 1/2" - 14"

Construction Material: carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.

Operator: lever, gear, pneumatic actuator, electrical actuator, etc.



## Eccentric Plug Valve Model PE

Construction Standard: API 6D, API 599

Connection End: flange

Pressure: CL150 - CL900

Size: 1/2" - 14"

Construction Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.

Operator: lever, gear, pneumatic actuator, electrical actuator, etc.





# ACTUATOR AND ACCESSORIES LINE

## Pneumatic Actuator Model PR / PH

Classification:

Rack & Pinion Actuator (PR)

Scotch Yoke Actuator (PH)

Type: spring return, double action.

Air Supply: 2.5 bar - 8 bar.

Medium: dry or non-corrosive gas, the max particle diameter must be less than 30µm

Working Temperature: -40°C - 150°C

Travel adjustment: have adjustment range of  $\pm 5^\circ$  for the rotation at 0° and 90°

Construction Material: carbon steel, stainless steel, alloy steel or other customized material.



## Solenoid Valve Model PSV

Solid and flexible design: aluminum die-casting housing

Mounting: for direct mounting on NAMUR interface

Mounting Position: Any position

Material Specifications: aluminum body.

Stainless steel is available.

Medium: dry or lubricated air.

Fluid Temperature: Min. 32°F (0°C) Max. 122°F (+50°C)

Electrical Parts: See information of coils.

Voltage: 24 VDC, 48VDC, 110AC, 220AC

Voltage tolerance:  $\pm 10\%$  of nominal



## Filter Regulator Model PFR

Body Material: SS304, SS316, aluminium

Pressure: 0 - 30psi, 0 - 60psi, 0 - 150psi

Connection: NPT 1/4", PT 1/4"

Pressure Gauge: stainless steel, vibration proof



**Electrical Actuator Model ESO / ESR**

Classification: On-Off type, regulating actuator  
 Power supply: 380 V, 50 Hz; Optional: 380 - 660 V, 50 or 60 Hz, specified when ordering



Service environment:

- Environmental temperature: -20~60°C; Optional: -40 ~ +70°C
- Relative humidity: ≤90% (+25°C)
- Enclosure protection: IP68 (7 meter below water surface for 72 hours)
- Flameproof specification: Exd I, Exdib II BT4 and Exdib II CT4. The Exdib II CT4 is for special order.
- Flameproof mark: Exd I, Exdib II BT4 and Exdib II CT4, for hazardous zone with Class II B - II C explosive gases of temperature groups T1 - T4. The motor is of short time duty. Rated operating time is 15 min.

Insulation: Class F

**Limit Switch Box Model PLS**

Solid and flexible design: aluminum die-casting housing and powder coating.  
 Bolts on visual position indicator  
 Quick-set cam



- Spring loaded splined cam.
  - No need to adjust again after initial setting.
  - Easy setting without tool.
- Dual cable entries  
 Captive cover bolts: no worry to loose bolts while cover open.  
 Easy mounting bracket: NAMUR standard stainless steel shaft and bracket.

**STRAINER LINE**

**Y Strainer Model SY**

Body Material: ductile iron, cast iron, carbon steel, stainless steel, alloy steel, duplex stainless steel, monel, hastelloy, titanium, etc.  
 Size: 1/2" - 16"  
 Pressure: CL150 - CL600  
 Connection: flange, threaded, butt-weld, socketweld  
 Screen: SS304, SS316, duplex stainless steel



**Basket Strainer Model SB**

Body Material: ductile iron, cast iron, carbon steel  
 stainless steel, alloy steel, duplex stainless  
 steel, monel, hastelloy, titanium, etc.  
 Size: 1/2"- 16"  
 Pressure: CL150 - CL300  
 Connection: flange, threaded, butt-weld,  
 socket-weld  
 Screen: SS304.SS316, duplex stainless steel



**Duplex Strainer Model SD**

Body Material: ductile iron, cast iron, carbon  
 steel, stainless steel, alloy steel, duplex  
 stainless steel, monel, hastelloy, titanium, etc.  
 Size: 3/4" - 8"  
 Pressure: CL150 - CL300  
 Connection: flange  
 Screen: SS304.SS316, duplex stainless steel

**Bag Strainer Model SA** Body Material:  
 ductile iron, cast iron, carbon steel,  
 stainless steel, alloy steel, duplex  
 stainless steel, monel, hastelloy,  
 titanium, etc. Size: 1/2" - 36" Pressure:  
 CL150 Connection: flange Screen:  
 SS304.SS316, duplex stainless steel



General Manager Email:  
sale1@kpiglobe.com Tel:  
+86 13583501693

International Sales Email:  
sale2@kpiglobe.com Tel:  
+86 19817780129

[www.kpivalves.com](http://www.kpivalves.com)

Yantai KPI Import&Export  
Trade Co. Ltd  
No.601 Room, Yangguang 100  
C Building, No. 27 Haigang road,  
Zhifu District Yantai

KPI Trade Co . Ltd  
3/F , Workington Towe, 78  
Bonham Strand, Sheungwan,  
Hong Kong

Lishui KPI VALVE Co. Ltd  
NO.202 Building NO. 5, NO.112  
Da Yuan Street Nanmingshan  
Liandu Lishui City