



Trendsetters In Corrosion Resistant Control Valve Solutions

智鹏阀门集团有限公司
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Control Valve Brochure

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Introduction Of Zhipeng

Zhipeng Valve Group Co., Ltd. was established in 2013, with its headquarters located in Wenzhou Airport New Area. Currently, Zhipeng valve has two major production bases in Wenzhou and Chongqing city, with 15 regional sales outlets in China.

The company has become a professional high-tech manufacturing enterprise of control valves in the chemical field. With the core competitiveness: **Diversification & Differentiation & Iterative Innovation** of valve products. Our control valve has demonstrated excellent performance quality and extensive application scenarios in the chemical fields such as: agricultural chemicals, Pharmaceuticals, Lithium batteries and Titanium dioxide, and so on.

ZhiPeng have 5 major valve series as:

- Fluoropolymer-Lined Control Valves;
- Metal Control Valves;
- Tank Bottom Discharge Control Valves;
- Special Alloying Metal Control Valves;
- Fluoropolymer-Lined Manually Operated Valves

We provides solutions for process fluid control and related control valve products.

For the unremitting efforts and the pursuit of product's quality, We have gained recognition from customers and established a reliable business reputation among users . We always adhering to the principle of "**Quality-Oriented, Customer First**", and continuously improve the quality and performance of products through strict ISO quality management and the PDCA quality management cycle system.

In the days ahead, Zhipeng will continue to uphold the concept of "**Dedication, Innovation, Excellence, and Service**", We will constantly follow the technological development trend of control valves to meet the diversified needs of customers. We will increase R & D and innovation efforts, continuously enhance the technical content and added value of our valve products; To cultivate and build a high-quality and professional team, and be committed to providing more high-quality and efficient services.



>>> **Enterprise Displaying**

The utilization of advanced equipment serves as an assurance for the production of high-quality products, while simultaneously aligning with the market demands to propel our progress. Our equipment consistently remains at the forefront of the industry, while our technology consistently sets the industry trend. The workshop is bright and spacious, the environment is clean and tidy, and our company's overall strength continues to be enhanced. These are our unwavering pursuits.

*A Reputable Manufacturer Of
Specialized Control Valves
For The Chemical Industries*



>>> **Qualifications and honors**

Zhipeng Valve Group Co.,Ltd. has won numerous honors, that represents the past, however, Zhipeng is more optimistic about the future. We will transform honor into power, forge ahead to push Zhipeng to a new height!



Model/ Series/Classification Of ZHIPENG Control Valves

Series No.	Type	Model No.	Series No.	Type	Model No.	Series No.	Type	Model No.		
ZPL100 Control Valves	Diaphragm	ZPL130	ZPL500 Lined Control Valves	Lined Single-Seat	ZPL510	ZPL800 Control Butterfly Valves	Lined Butterfly	ZPR810		
	Gate	ZPL150		Lined 3-Ways	ZPL520		Offset Butterfly	ZPR820		
	Knife Gate	ZPL160	ZPL600 Self-Operated Control Valves	Self-Operated ZZYP	ZPL610	ZPL900 Control Plug Valves	Rubber Butterfly	ZPR830		
	Disc-Lowering Discharge Valve	ZPL170		Micro-Pressure ZZVP	ZPL620		Ventilation Butterfly	ZPR840		
	Disc-Rising Discharge Valve	ZPL180		Actuator Control ZZYVP	ZPL630		Straight Through	ZPR910		
ZPL200 Straight Through Control Valves	Single-Seat Control Valve	ZPL210	ZPL700 Control Ball Valves	Lined Self-Operated ZZYVPF	ZPL640	Actuators	3-Ways	ZPR920		
	Sleeved Control Valve	ZPL220		Lined Micro-Pressure ZZVPF	ZPL650		ZP6000 Pneumatic Actuator	Linear Diaphragm	ZP6100	
	Porous Sleeve Control Valve	ZPL230		Lined Actuator Control ZZYVPF	ZPL660					ZP7000 Pneumatic Actuator
	Multi Stage Pressure Reducing	ZPL240	Lined O-Notched Ball Valve	ZPR710	ZP8000 Electric Actuator		Rotary Piston	ZP7100		
	Maze Sleeve Regulating Valve	ZPL250	Lined V-Notched Ball Valve	ZPR720					ZP9000 Electric Actuator	Rotary Scotch Yoke
ZPL300 3-Ways Control Valves	Flow Mixing Control Valve	ZPL310	Lined 3-Ways Ball Valve	ZPR730	ZP8100 Linear (Standard)	Linear (Explosion proof)	ZP8200			
	Flow Diversion Control Valve	ZPL320	Lined Emptying Ball Valve	ZPR740				ZP9100 Rotary (Standard)	Rotary (Explosion proof)	ZP9200
ZPL400 Angle Type Control Valves	Angle Type Single-Seat	ZPL410	Metal O-Notched Ball Valve	ZPR750	ZP8200 Linear (Explosion proof)	Linear (Explosion proof)	ZP8200			
	Angle Type Sleeved	ZPL420	Metal V-Notched Ball Valve	ZPR760				ZP9100 Rotary (Standard)	Rotary (Explosion proof)	ZP9200
	Angle Type Porous Sleeve	ZPL430	Metal 3-Ways Ball Valve	ZPR770	ZP9100 Rotary (Standard)	Rotary (Explosion proof)	ZP9200			
	Multi Stage Pressure Reducing	ZPL440	Metal Emptying Ball Valve	ZPR780				ZP9100 Rotary (Standard)	Rotary (Explosion proof)	ZP9200
Angle Type Maze Sleeve	ZPL450	Metal 4-Way Ball Valve	ZPR790	ZP9100 Rotary (Standard)	Rotary (Explosion proof)	ZP9200				
* For Example: Pneumatic Single-Seat Control Valve		ZPL210	Y				—	25	K/C	—
*For Example: Lined Pneumatic corrugated pipe Single-Seat Control Valve		ZPL510	W	F	—	16	K/C	—	50/25	ZPL510WF-16K/C-DN50/25

Model/Series/explanation Of ZHIPENG Control Valves

Series No.	ZPL(Q)	Linear-Motion (Shut-Off)	
	ZPR	Rotary-Motion	
Actuator	Pneumatic	-	
	Electric	D	
Nominal Pressure (PN)	Based On Actual Parameters	6/10/16/25/40	
Nominal Diameter (DN)	Based On Actual Parameters	---	
	Based On Actual Parameters	---	
Air or Power	Fail To Close	(FC) K	
Fail Position	Fail To Open	(FO) B	
	Fail To Keep (Double-Acting)	(FL) L	
Type Of Bonnet & Bracket	Standard Type	-	
	Radiation Fin Cooling	S	
	Extension Type	E	
	Cryogenic Type	L	
	Bellows Type	W	
	Heating Jacket Type	B	
Connecting Format	Flanged	4	
	Wafer	7	
	Welded	6	
	Threaded	1	
	Equal Percentage	EQ%	
Flow Characteristic	Linear	LiN	
	ON-OFF	ON-OFF	
Materials Of Valve Body & Trims	Grey Cast Iron	H	
	Nodular Cast Iron	Q	
	Carbon Steel	C	
	Chrome-Nickel Steel	P	
	Chromium Nickel Molybdenum Steel	R	
	Chromium-Molybdenum Steel	I	
Lining Materials	Chrome Molybdenum Vanadium Steel	V	
	Aluminum Alloy	L	
	Copper Alloy	T	
	Titanium Alloy	Ti	
	F4	PTFE	
Seat Materials / Sealing Form	F	F46	
	A	PFA	
	Semi-Lined Rubber	X	
	Full-Lined Rubber	J	
	Metal	W	≤250°C
Manual Drive	Rubber	X	≤80°C
	Fluoroplastic	F	≤150°C
	Cr13 Series	H	≤350°C
	Hard Alloys	Y	
	Top Loading Handwheel	1	
Accessories	Side Loading Handwheel	2	
	Note according to the actual model	---	

Lined Regulating Control Valves

Nominal Diameter : DN15-350 ,NPS 1/2"-14"
 Nominal Pressure: PN10,PN16,PN25,CL150,10K
 Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220
 Body Material: WCB,CF8,CF3,CF8M,CF3M
 Lining Material: FEP(F46),PFA,PTFE
 Bonnet Type: Standard,Bellows Seal
 Temp. Range:-30 ~180°C, -22 ~356
 Flow Characteristic : Equal percentage,Linear,Quick-Open
 Actuator: Pneumatic,Electric



FEP-Lined Pneumatic Control Valve (ZPL510F)



FEP-Lined Pneumatic Bellows Sealing Control Valve(ZPL510WF)



PFA-Lined Pneumatic Single-Seat Control Valve(ZPL510F)



PFA-Lined Pneumatic 3-Way Control Valve(ZPL520F)
(Confluence/Diversion)

Lined Shut-Off/Regulating/Reversing Ball Valves

Nominal Diameter : DN15-350 ,NPS 1/2"-14"
 Nominal Pressure: PN10,PN16,PN25,CL150,10K
 Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220
 Body Material: WCB,CF8,CF3,CF8M,CF3M
 Lining Material: FEP(F46),PFA,PTFE
 Temp. Range:-30 ~180℃, -22 ~356
 Flow Characteristic : Equal percentage, ON-OFF
 Actuator: Pneumatic,Electric



PFA-Lined Pneumatic(Scotch Yoke Type) O-Notched Shut-Off Ball Valve(ZP8813)



PFA-Lined Pneumatic Shut-Off O-Notched Ball Valve(ZPR710F)



FEP-Lined Pneumatic Regulating V-Notched Ball Valve(ZPR720F)



FEP-Lined Pneumatic 3-Way Reversing(T/L Path)Ball Valve(ZPR730F)

Shut-Off/Regulating/Reversing Ball Valves

Nominal Diameter : DN15-350 ,NPS 1/2"-14"

Nominal Pressure: PN10~PN100,CL150~CL600

Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220

Body Material: WCB,CF8,CF3,CF8M,CF3M

Sealing Type: Soft-Sealing,Metal-to-Metal

Temp. Range: ≤350°C(662°F)

Flow Characteristic: O-Ball For Shut-Off (ON-OFF)

V-Ball For Regulating (As Equal percentage)

Actuator: Pneumatic,Electric



Pneumatic Metal-to-Metal O-Notched Shut-Off Ball Valve (ZPR750Y)



Pneumatic Soft Sealing O-Notched Shut-Off Valve (ZPR750F)



Pneumatic Forged Steel Ball Valve (ZPR750F)



Pneumatic Regulating V-Notched Ball Valve(ZPR760Y)



Pneumatic 3-Way Reversing(T/L Path) Ball Valve(ZPR770F)

Metal Control Valves

Nominal Diameter : DN15-350 ,NPS 1/2"-14"
 Nominal Pressure: PN10-PN100,CL150-CL600
 Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220
 Body Material: LCB,WCB,WC6,WC9,CF8,CF3,CF8M,CF3M
 Trims Material: F304,F316,Etc.
 Packing Type: Soft-Sealing,Metal-to-Metal
 Types of Bonnet:Standard,Extension,Bellows Sealing
 Temp. Range:-196 ~ 425 , -320 ~ 797
 Flow Characteristic:ON-OFF,Equal percentage,Linear
 Actuator: Pneumatic,Electric



Pneumatic Sleeve-Guided Regulating Valve
(ZP913)



Pneumatic Hige-Pressure
Regulating Valve(ZPL220Y)



Pneumatic Cage-Guided Single-Seat
Regulating Valve (ZPL210Y)



Electronic Temperature-Control
Regulating Valve
(ZPLD210Y)

Self-Regulatory Pressure Regulator Series

Self-Regulatory Pressure Regulator

Nominal Diameter : DN15-350 ,NPS 1/2"-14"

Nominal Pressure: PN10,PN16,PN25

Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220

Body Material: WCB,CF8,CF8M,CF3M

Spool&Seat Type: Single-Seat, Sleeve-Guided

Packing Type: Soft-Sealing,Metal-to-Metal

Temp. Range:≤350°C(662°F)

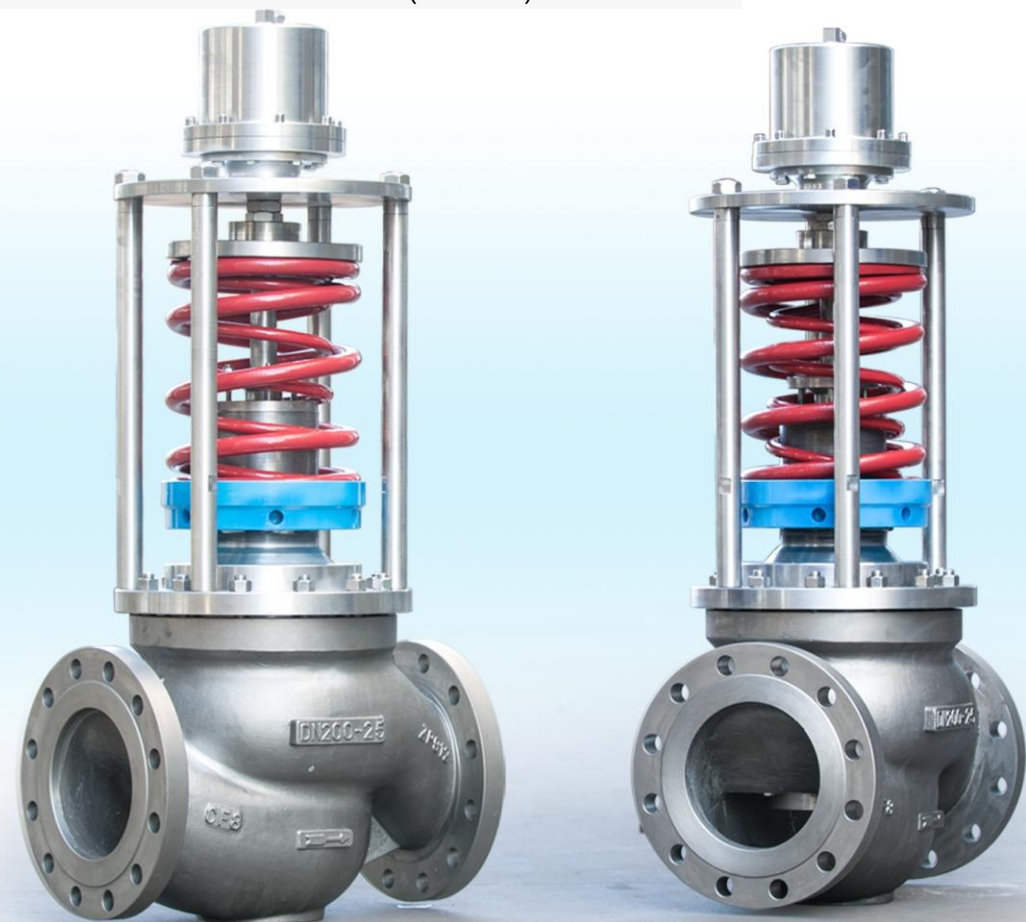
Flow Characteristic:ON-OFF(Quick-Open)

Actuator Type: Pneumatic Diaphragm/ Piston

Acting Form :

Pressure **release**@Inlet Side:(K-Modle)

Pressure **reduce**@Outlet Side:(B-Modle)



Self-Operated Pressure Regulator(ZZMP)



Self-Regulating Control Valve(ZZYP)



Self-Operated Micro-Pressure Regulator (Actuator Control)
ZZYVP



Self-Operated Micro-Pressure Regulator
(ZZVP)

FEP-Lined Self-Operated
Micro-Pressure Regulator
(ZZVPF)

Tank's Bottom Discharge Valves

Nominal Diameter : DN40-200 ,NPS 1 1/2"-8"

Nominal Pressure: PN10,PN16,PN25

Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220

Body Material: WCB,CF8,CF8M,CF3M

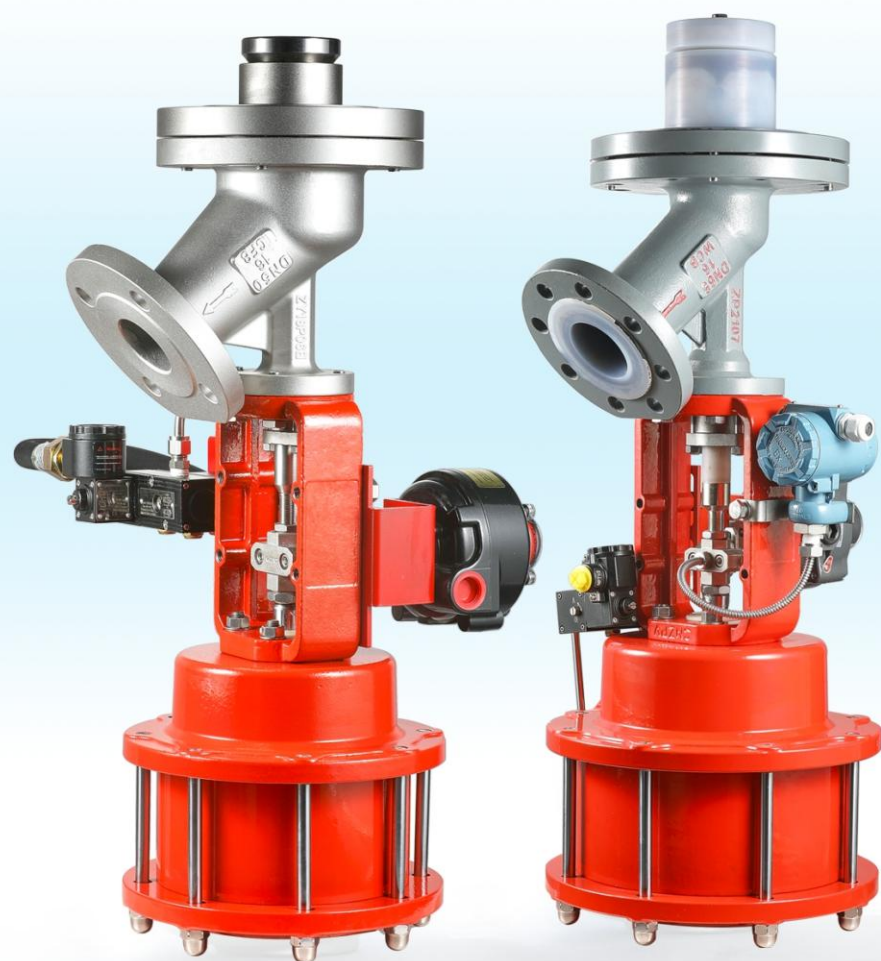
Temp. Range: ≤250°C(482°F)

Flow Characteristic: ON-OFF(Quick-Open)

Plug Type: Shut-Off/Regulating

Actuator Type: Pneumatic Diaphragm/ Piston

Acting Form: Air Fail To Open(K)



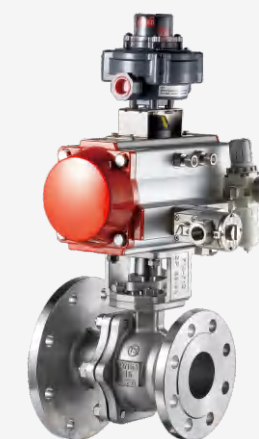
FEP-Lined(Metal) Pneumatic Disc-Rising
Tank Bottom Discharge Valve(ZPL180F)



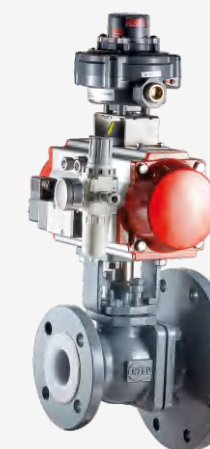
Pneumatic Inclined Stem Discharge Ball valve
(ZPRX780F)



PFA-Lined Pneumatic Inclined Stem
Discharge Ball valve(ZPRX740F)



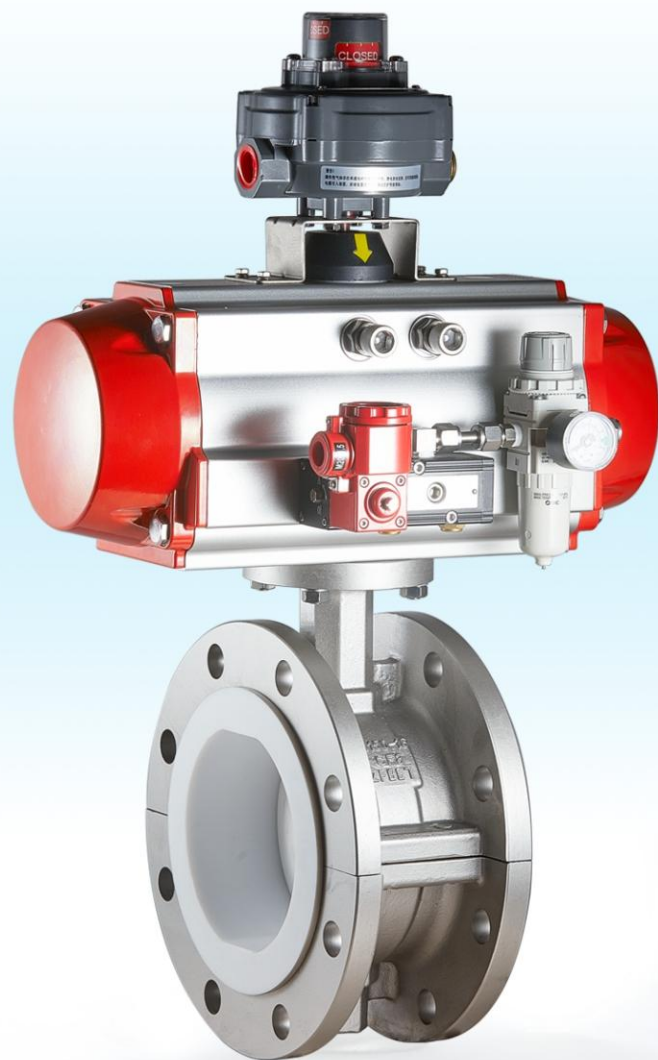
Pneumatic Vertical Stem
Discharge Ball Valve
(ZPR780F)



FEP-Lined Pneumatic Vertical Stem
Discharge Ball Valve(ZPR740F)

Butterfly Valves

Nominal Diameter : DN40-1200 ,NPS 1 1/2"-47"
 Nominal Pressure: PN10,PN16,PN25
 Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220
 Body Material: WCB,CF8,CF8M,CF3M
 Temp. Range: ≤250°C(482°F)
 Flow Characteristic: Equal percentage,Quick-Open
 Actuator Type: Pneumatic Piston
 Acting Form: Air Fail To Open(K)



PTFE-Lined Pneumatic Flanged Butterfly Valve
(ZPR810F)



FEP-Lined Pneumatic Wafer Type
Butterfly Valve(ZPR810F)



Rubber-Lined Pneumatic Wafer Type
Butterfly Valve(ZPR830X)



Pneumatic Metal-to-Metal Wafer Type
Butterfly Valve(ZPR820Y)

Chlorine Special Valves

Nominal Diameter : DN15-350 ,NPS 1/2"-14"
 Nominal Pressure: PN25
 Connection Standard: HG20592-2009,ANSI B16.5,JIS B2220
 Body Material: LCB/F46 LCC HC276
 Temp. Range: ≤150°C(302°F)
 Flow Characteristic: Regulating/On-Off
 Actuator Type: Pneumatic Piston/Pneumatic Diaphragm
 Acting Form: Air Fail To Open(K)



Pneumatic HC Bellows Sealing
Chlorine Regulating Valve
(ZPL510WF)



Pneumatic Chlorine
Regulating Valve(ZPL210WY)



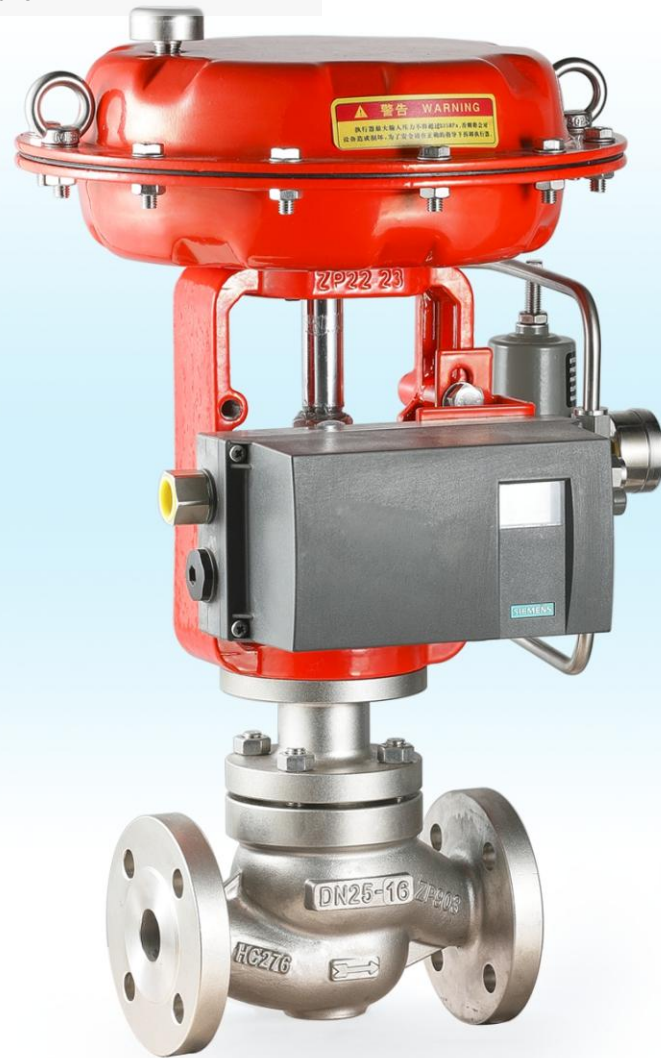
Pneumatic Chlorine
Shut-Off Valve(ZPLQ210WF)



Pneumatic Chlorine
Shut-Off Valve(ZPLQ210WF)

Alloy Metals Regulating/Shut-Off Valves

Nominal Diameter : DN15-350 ,NPS 1/2"-14"
 Nominal Pressure: PN10-PN100,CL150-CL600
 Connection Standard: HG20592-2009,ANSI B16.5
 Body Material: TA2,HC276,Monel,Pure Nickel,35581
 Trims Material:TA2,HC276,Monel,Pure Nickel,35581
 Sealing Type:Soft-Sealing,Metal-to-Metal
 Bonnet Type:Standard,Extension,Bellows Sealing
 Temp. Range:-196°C-425°C(-320°F-797°F)
 Flow Characteristic:Equal percentage,Linear,On-Off
 Actuator Type: Pneumatic,Electric



Pneumatic Hastelloy Alloy Regulating Valve (HC276)



Pneumatic Monel Alloy Shut-Off Valve (M35-1)



Pneumatic Nickel Alloy Shut-Off Valve (N6)



Pneumatic Titanium Alloy Regulating Valve(TA2)

Lined Manually-Operated Valves

Nominal Diameter : DN15-1200 ,NPS 1/2"-47"
Nominal Pressure: PN10,PN16,PN25,CL150,10K
Connection Standard: HG20592-2009,ANSI B16.5
Body Material: WCB,CF8,CF3,CF8M,CF3M
Lining Material: PTFE(F4),FEP(F46),PFA
Temp. Range:-30°C-180°C(-22°F-356°F)



PTFE-Lined Flanged Worm-Gear Butterfly Valve(F4)



PTFE-Lined Manual Wafer Type Butterfly Valve(F4)



FEP-Lined Turbine Flanged Butterfly Valve (F46)



FEP-Lined Bellows Sealing Globe Valve



Lined Gate Valves



Lined GB National Standard Ball Valves



Lined API Standard Ball Valves



PTFE-Lined Diagonal Discharge Valve



Lined Vertical Stem Discharge Ball Valve



Fluorine-Lined Globe Valve



Fluorine-Lined Diaphragm Valve



Fluorine-Lined Ball-Type Check Valve
(H45)



Fluorine-Lined Lift-Type Check Valve
(H41)



Fluorine-Lined Swing Check Valve
(H44)



Fluorine-Lined Lift-Type Check Valve
(H42)



Lined Silica Sol Casting
Ball Valve



Lined Basket Filter



Lined Y-Type Filter



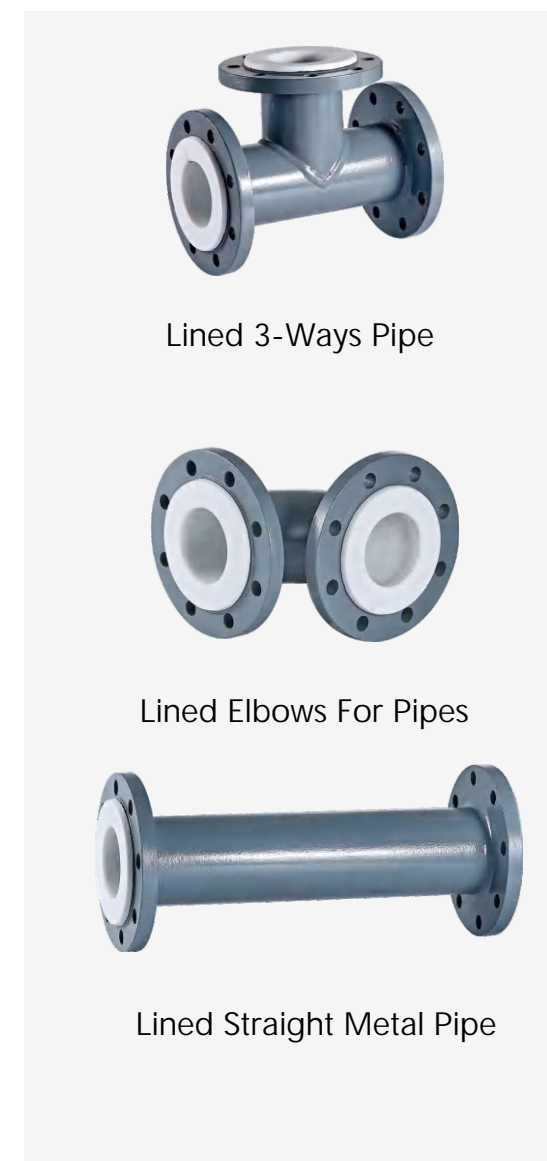
FEP-Lined Sight Glass(F46)



PTFE-Lined Sight Glass(F4)



Lined Optic Cup



Lined 3-Ways Pipe

Lined Elbows For Pipes

Lined Straight Metal Pipe



2 pieces Thread Ball Valves



3 pieces Thread Ball Valves



Flanged Ball Valve



Flanged Trunnion Ball Valve



Thread Gate Valve



Thread Globe Valve



Flanged Gate Valve



Soft-Sealing Gate Valve



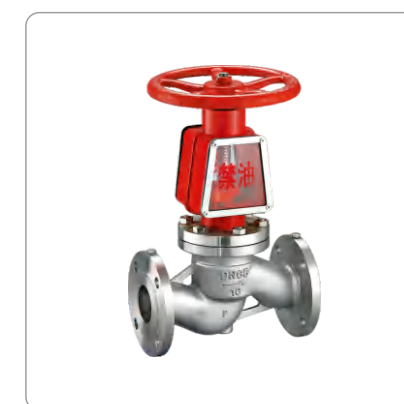
Flanged Filter



Thin Type Ball Valve



Flanged Globe Valve



Special valve For Oxygen

General Valve Series



Flanged Triple Eccentric Butterfly Valve



Wafer Type Butterfly Valve



Soft-Sealing Wafer Type Butterfly Valve



High-Performance Butterfly Valve



Swing Check Valve (H44)



Lift Check Valve (H41)

Metal Pipe Fittings Series



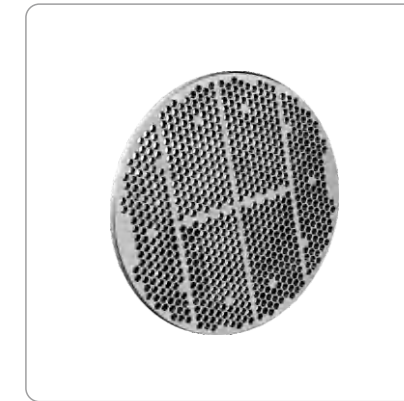
Vertical Lift Check Valve (H42)



Wafer Type Check Valve(H76)



Welding Neck Flange



Pipe Board



Elbows



3-Ways Pipe