



A Provide of **Flow Control Solutions**

VALVE

- ZXP Control Valve

ZXP SERIES OF CONTROL VALVE

ZXP series is a standard single seat control valve with S-type two passages driven by air and the whole structure is top guided.

One of the most important advantages of P series control valve is the best cost performance reaching the balance among cost,quality,accuracy and life time.In addition,miniaturized valve body help to reduce the whole weight but keep the stability of pressure endurance capability.Thus P series of control calve is just suitable for the conditions with small pressure difference.

				
Bonnet Type	Normal	Extended	Fin	Bellow Seal
Max Temperature	-29~250°C	-29~300°C	-29~300°C	-29~400°C
Max Pressure	2.5Mpa	2.5Mpa	2.5Mpa	2.5Mpa
Suitable Medium	Common	Steam	Steam/Hot oil	Hazardous gas
Suitable Situation	Common	High temperature	High temperature	Toxic and Harmful

MAX. ALLOWABLE PRESSURE DIFFERENCE

1. K: Air to Open

Actuator Model	Spring	Air	DN											
	Kpa	Mpa	15	20	25	32	40	50	65	80	100	125	150	200
PM280K	80-240	0.35	6.00	5.81	3.72									
PM400K	80-240	0.35				3.81	2.03	1.30						
PM600K	80-240	0.35							1.21	0.8	0.51			
PM1000K	80-240	0.35										0.52	0.36	0.20

2. B: Air to Close

Actuator Model	Spring	Air	DN											
	Kpa	Mpa	15	20	25	32	40	50	65	80	100	125	150	200
PM280B	80-240	0.35	9.00	8.2	5.25									
PM400B	80-240	0.35				4.48	2.87	1.84						
PM600B	80-240	0.35							1.71	1.13	0.72			
PM1000B	80-240	0.35										0.74	0.51	0.29

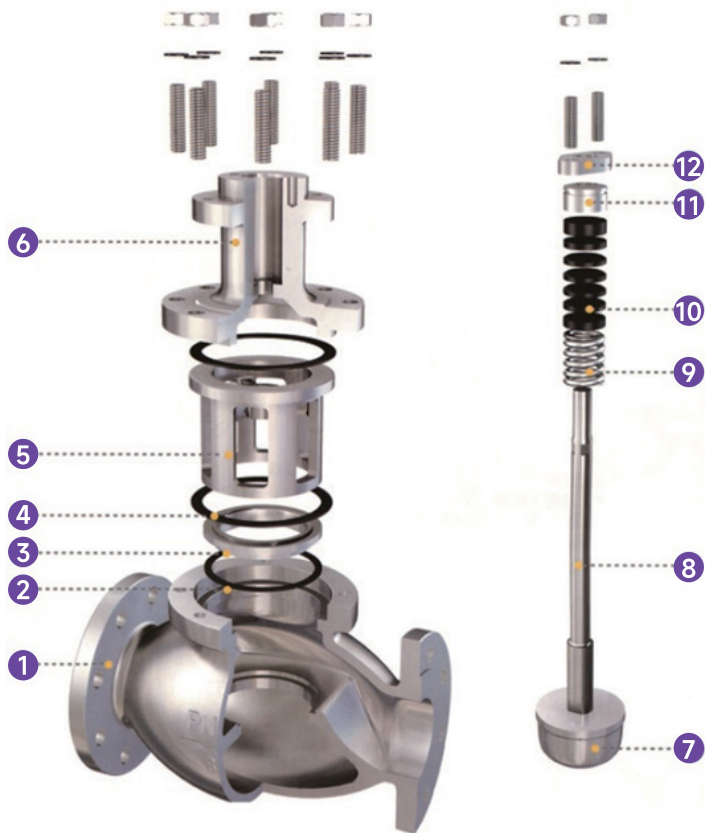
Note:

- 1. Data just for reference
- 2. Unit: Mpa

GENERAL PARAMETERS

Nominal Diameter		15	20	25	32	40	50	65	80	100	125	150	200
Rated Kv	Linear	4.4	6.9	11	17.6	27.5	44	69	110	176	275	440	690
	Equal Percentage	4	6.3	10	16	25	40	63	100	160	250	400	630
Stroke (mm)		16	16	16	25	25	25	40	40	40	60	60	60
Pneumatic Diaphragm Actuator K:Air to Open B:Air to Close		PM280K	PM280K	PM280K	PM400K	PM400K	PM400K	PM600K	PM600K	PM600K	PM1000K	PM1000K	PM1000K
		PM280B	PM280B	PM280B	PM400B	PM400B	PM400B	PM600B	PM600B	PM600B	PM1000B	PM1000B	PM1000B
Diaphragm Efficiency Area(cm²)		280	280	280	400	400	400	600	600	600	1000	1000	1000
Nominal Pressure		PN10				-				JIS10K			
		PN16				-				JIS16K			
		PN25				-				JIS20K			
		PN40				CLASS150				JIS40K			
		PN64				CLASS300				-			
		PN100				CLASS600				-			
		PN160				CLASS900				-			
		PN250				CLASS1500				-			
		PN420				CLASS2500				-			
Flow Characteristic		Linear, Equal Percentage, Quick Open											
Rangeability (R)		50:1, 30:1											
Bonnet		Normal											
		Extend											
		Fin											
		Bellow seal											
Body Material		WCB,WC6,WC9											
		LCA,LCB,LCC											
		CF8,CF8M,CF3,CF3M											
		304,304I,316,316L											
Trim Material		304,304I,316,316L											
Trim Finish		STL: Surfacing hard alloy from ‘Stellite’											
Signal Range (Kpa)		80~240											
Air Supply Pressure (Mpa)		0.35											

STRUCTURE

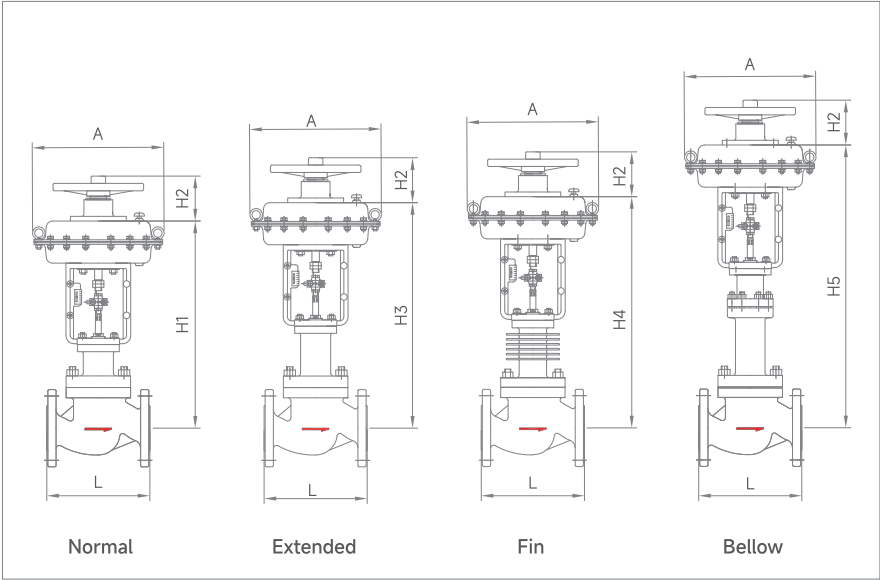


Note:

The structure is just for reference.

1	Body	4	Bonnet gasket	7	Plug	10	Packing
2	Seat Gasket	5	Cage	8	Stem	11	Lump
3	Seat	6	Bonnet	9	Spring	12	Stud

SIZE AND WEIGHT

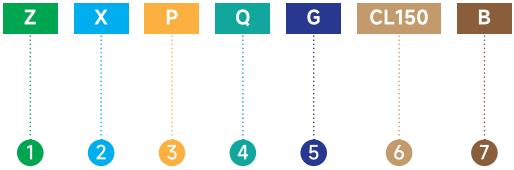


DN		15	15	25	32	40	50	65	80	100	125	150	200
L	PN16-PN40	150	150	160	180	200	230	290	350	350	400	480	600
	PN64-PN100	230	230	230	260	260	300	300	380	430	500	550	650
H1	PN16-PN100	456	456	546	575	578	582	658	660	663	800	813	867
H2	PN16-PN100	207	207	207	207	207	207	242	242	242	313	313	313
H3	PN16-PN100	506	506	506	608	609	614	708	710	713	875	881	943
H4	PN16-PN100	282	282	282	343	345	387	512	515	521	611	618	672
H5	PN16-PN100	282	282	282	343	345	387	512	515	521	611	618	672
A	PN16-PN100	282	282	282	308	308	308	394	394	394	504	504	504
Weight	PN16	18	18	19	26	30	35	59	63	70	120	134	221
	PN64	21	21	22	38	46	57	78	88	97	172	180	318

Note:

1. The unit of L, H1, H2, H3, H4, A is mm.
2. The unit of weight is kg.
3. The data of weight is just for reference based on WCB body and 304 trim,no accessories.

CODE CLARIFICATION



For example:
Code: **ZXPQG-CL150B**
Pneumatic diaphragm actuator,
Single seat plug,
Soft seal,
Fin bonnet,
CLASS150 valve body,
Air to close the valve.

1	Z	Actuator
2	X	Diaphragm
3	P	Single Seat
4	Q	Soft Seal
	S	Hardfacing Alloy
5	None	Normal
	C	Extended
	G	Fin Type
	V	Bellow Seal
6	16	PN16
	25	PN25
	40	PN40
	64	PN64
	100	PN100
	160	PN160
	250	PN250
	420	PN420
	CL150	CLASS150
	CL300	CLASS300
	CL600	CLASS600
	CL900	CLASS900
	CL1500	CLASS1500
	CL2500	CLASS2500
	JS10	JIS10K
	JS16	JIS16K
	JS20	JIS20K
	JS40	JIS40K
7	K	Air to Open
	B	Air to Close

