






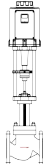
A Provide of **Flow Control Solutions**

- ZDLP Control Valve

ZDLP SERIES OF CONTROL VALVE

ZDLP 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 valve 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

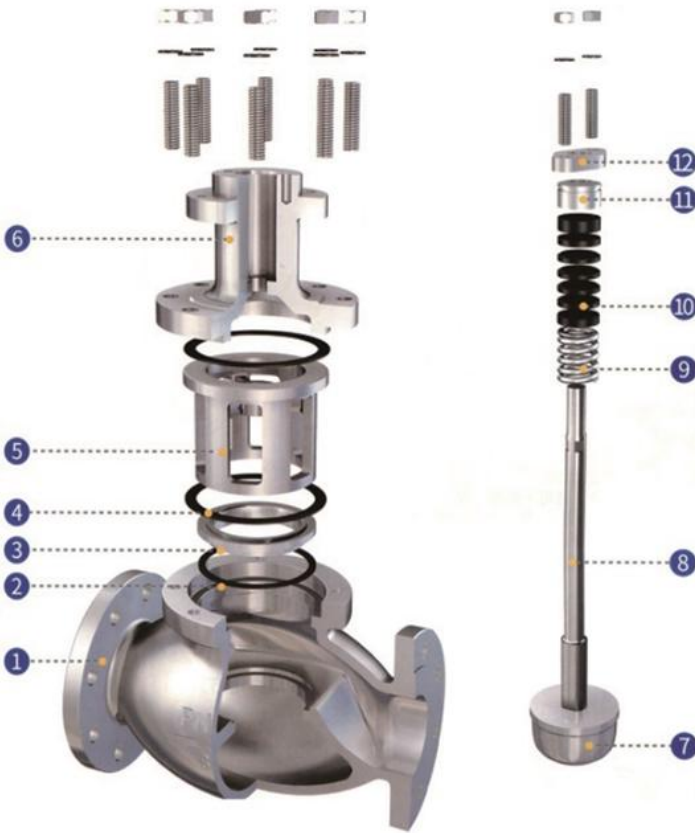
MAX. ALLOWABLE PRESSURE DIFFERENCE

Thrust	20	25	32	40	50	65	80	100	125	150	200
800	1.78	1.14	0.70	0.45	0.29						
1000	2.23	1.43	0.87	0.56	0.36						
2000	4.46	2.85	1.74	1.11	0.71	0.42	0.28	0.18			
3000	6.68	4.28	2.61	1.67	1.07	0.63	0.42	0.27			
4000	8.91	5.70	3.48	2.23	1.43	0.84	0.56	0.36	0.29	0.20	
5000	10	7.13	4.35	2.79	1.78	1.05	0.70	0.45	0.37	0.26	0.11
6500			5.66	3.62	2.32	1.37	0.91	0.58	0.46	0.32	0.14
8000			6.96	4.46	2.85	1.69	1.11	1.71	0.57	0.40	0.18
10000			8.70	5.57	3.57	2.11	1.39	0.89	0.68	0.48	0.22
12000						2.53	1.67	1.07	0.94	0.63	0.27
16000									1.14	0.79	0.36
20000											

Note:

1. Data just for reference
2. Unit: Mpa

STRUCTURE



Note:

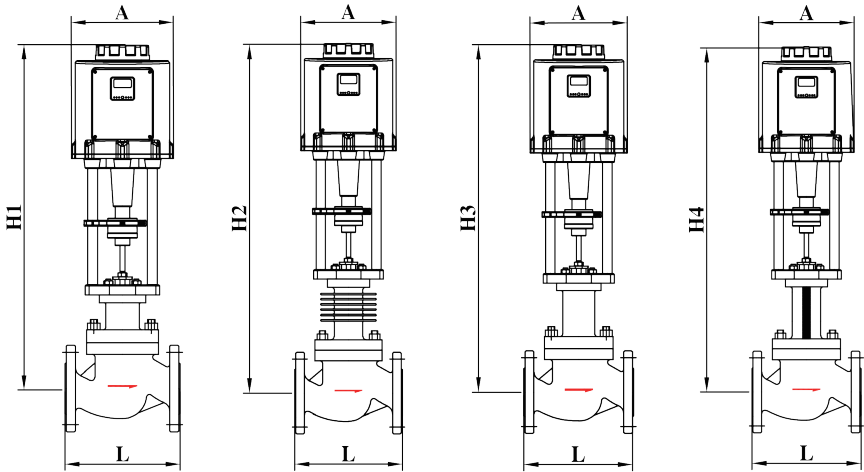
The structure is just for reference.

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

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
Electric Actuator Model		DLC-310	DLC-310	DLC-320	DLC-320	DLC-330	DLC-350	DLC-665	DLC-6100	TBD	TBD	TBD	TBD
Power		AC24V,AC110V,AC220V,AC380V,DC24V											
Signal		4-20mA,0-10V,On-off											
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 Stellite hard alloy											
Connection		Flange,Thread,Welding											
Flange standard		EN1092.1,ASME B16.5,JIS B220											

SIZE AND WEIGHT

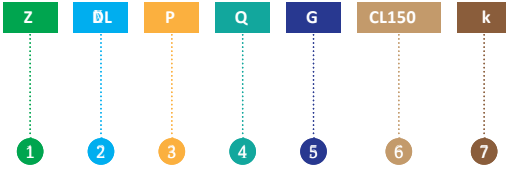


DN		15	20	25	32	40	50	65	80	100	125	150	200
L	PN16-PN40	150	150	160	180	200	230	290	350	350	400	480	600
	PN64-PN100	230	230	230	260	260	300	300	380	430	500	550	650
H1	PN16-PN100	646	646	646	679	682	686	822	824	827	1061	1074	1128
H2	PN16-PN100	696	696	696	712	713	718	872	874	877	1136	1142	1204
H3	PN16-PN100	696	696	696	712	713	718	872	874	877	1136	1142	1204
H4	PN16-PN100	782	782	782	843	845	887	1084	1087	1093	1367	1374	1128
A	PN16-PN100	225	225	225	225	225	225	225	225	225	225	225	225
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

CODE CLARIFICATION



For example:
 Code: ZDLPQG-CL150K
 Electric straight actuator
 Single seat plug,
 Soft seal,
 Fin bonnet,
 CLASS150 valve body,
 Power to open and close

1	Z	Actuator
2	DL	Electric straight actuator
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	Power to open and close

