

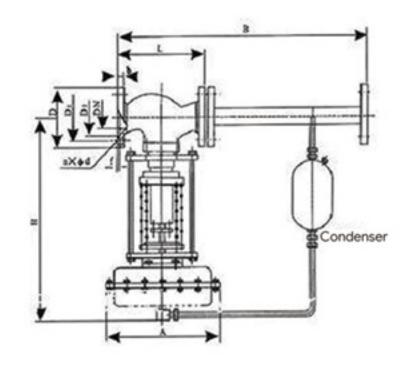


The self-operated pressure control valve doesn't need external energy, and uses the energy of the medium to be adjusted as the power source, introduces the actuator to control the position of the spool, and changes the different pressures and flows at both ends to stabilize the pressure before the valve cor after the valve. It has the advantages of sensitive action, good sealing performance and small fluctuation of pressure set point. It is widely used in the automatic control of gas, liquid and vapor medium decompression regulation or pressure relief.

This series of products has three structure types: single seat type (ZZYP). sleeve type (ZZYM) and double seat type (ZZYN); The actuator has two types: diaphragm type and piston type; The product's nominal pressure rating is PN16, 40, 64; The valve body diameter range is from DN20 to 300; The leakage level is class II, IV and VI; The flow characteristics are fast opening; The pressure section is adjusted from 15 KPa to 2500 KPa, and also can be adjusted to meet different requirements.

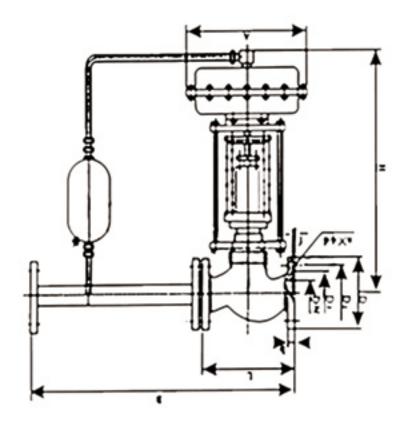
Features:

- 1. The self-operated pressure control valve can work without external energy supply, even work in a place without electricity or gas, which is convenient and energy saving.
- 2. The pressure setting value can be continuously set during operation., and as for the pressure rating of the post valve, the ratio of upstream pressure to downstream pressure is 10:1~10:8.
- 3. The adoption of rubber diaphragm type detection enables the actuator works with high detection accuracy and sensitive action.
- 4. To make the control valve more sensitive and precise, the pressure balance mechanism is adopted by AEN.TECH.



Specifications

Valve body:	ZG230-450, ZG1Cr18Ni9Ti, ZGOCr18Ni12M02Ti
Spool:	1Cr18Ni9Ti, OCr18Ni12MO2Ti
Seat:	1Cr18Ni9Ti, 0Cr18Ni12M02Ti
Valve stem:	1Cr18Ni9Ti, 0Cr18Ni12M02Ti
Membrane cover:	A3, A3 steel coated with tetrafluoroethylene, stainless steel
Filler:	polytetrafluoroethylene, flexible graphite
Rubber diaphragm:	butyl, ethylene, propylene, fluorine, oil resistant rubber



Dimension

N	20	25	32	40	50	65	80	100	125	150	200	250	300
efficient(KV)	7	11	20	30	48	75	120	190	300	480	760	1100	1750
oke(mm)	8		10		14	2	20	25	40		50	60	70
ssure(MPa)						1.	6 4.0 6.4	4					
				15	5~50 40~8	80 60~140	0 120~220	160~220	200~260)			
nent range(MPa)	240~300 280~350 330~400 380~450 480~560 540~620												
	600~700 680~800 780~900 880~1000 950~1500 1000~2500												
ecteristics						Qı	uick openin	g					
accuracy%							±5						
nperature(°C)		≤350											
Hard seal(1/h)		Single seat:≤10-4 valve rated capacity(class IV); double seat, sleeve: ≤5×10-4 valve rated capacity(Class II)											
Soft seal(1/h)	0.15	0	.3	0.45	0.	6	0.9	1.7	4	6.75	11.1		16
Maximum		10											
Minimum		1.25											
	efficient(KV) oke(mm) ssure(MPa) nent range(MPa) octeristics accuracy% operature(°C) Hard seal(1/h) Soft seal(1/h) Maximum	pefficient(KV) 7 oke(mm) 8 ssure(MPa) nent range(MPa) octeristics accuracy% nperature(°C) Hard seal(1/h) Soft seal(1/h) 0.15 Maximum	pefficient(KV) 7 11 poke(mm) 8 ssure(MPa) ment range(MPa) acteristics accuracy% apperature(°C) Hard seal(1/h) Sing Soft seal(1/h) 0.15 0 Maximum	nefficient(KV) 7 11 20 oke(mm) 8 ssure(MPa) nent range(MPa) octeristics accuracy% nperature(°C) Hard seal(1/h) Single seat:≤10 Soft seal(1/h) 0.15 0.3 Maximum	pefficient(KV) 7 11 20 30 poke(mm) 8 10 poke(mm) 15 poke(mm) 240~3 poke(mm) 240~3 poke(mm) 240~3 poke(mm) 15 poke(mm) 8 10 poke(mm) 8	efficient(KV) 7 11 20 30 48 oke(mm) 8 10 14 ssure(MPa) 15~50 40~6 nent range(MPa) 240~300 280~6 600~700 680~80 octeristics accuracy% nperature(°C) Hard seal(1/h) Single seat:≤10-4 valve rated capacity Soft seal(1/h) 0.15 0.3 0.45 0.6 Maximum	efficient(KV) 7 11 20 30 48 75 oke(mm) 8 10 14 2 ssure(MPa) 15~50 40~80 60~144 nent range(MPa) 240~300 280~350 330~ 600~700 680~800 780~90 octeristics Quarteristics Quarteristics Quarteristics Quarteristics (C) Hard seal(1/h) Single seat:≤10~4 valve rated capacity(class IV); Soft seal(1/h) 0.15 0.3 0.45 0.6 Maximum	efficient(KV) 7 11 20 30 48 75 120 oke(mm) 8 10 14 20 ssure(MPa) 1.6 4.0 6.4 15-50 40-80 60~140 120~220 nent range(MPa) 240~300 280~350 330~400 380~400 octeristics Quick opening accuracy% ±5 neperature(°C) ≤350 Hard seal(1/h) Single seat:≤10-4 valve rated capacity(class IV); double seat Soft seal(1/h) 0.15 0.3 0.45 0.6 0.9 Maximum 10	efficient(KV) 7 11 20 30 48 75 120 190 oke(mm) 8 10 14 20 25 ssure(MPa) 1.6 4.0 6.4 15~50 40~80 60~140 120~220 160~220 nent range(MPa) 240~300 280~350 330~400 380~450 480-400 480~800 780~900 880~1000 950~400 480-400 4	efficient(KV) 7 11 20 30 48 75 120 190 300 oke(mm) 8 10 14 20 25 4 ssure(MPa) 1.6 4.0 6.4 15~50 40~80 60~140 120~220 160~220 200~260 ment range(MPa) 240~300 280~350 330~400 380~450 480~560 540 600~700 680~800 780~900 880~1000 950~1500 1000 octeristics Quick opening accuracy% ±5 saccuracy% ±5 Apperature(°C) ≤350 Hard seal(1/h) Single seat:≤10~4 valve rated capacity(class IV); double seat, sleeve: ≤5×10~4 valve Soft seal(1/h) 0.15 0.3 0.45 0.6 0.9 1.7 4 Maximum 10	refficient(KV) 7 11 20 30 48 75 120 190 300 480 oke(mm) 8 10 14 20 25 40 ssure(MPa) 1.6 4.0 6.4	efficient(KV) 7 11 20 30 48 75 120 190 300 480 760 oke(mm) 8 10 14 20 25 40 50 ssure(MPa) 1.6 4.0 6.4 15~50 40~80 60~140 120~220 160~220 200~260 160~700 680~800 780~900 880~1000 950~1500 1000~2500 octeristics Quick opening accuracy% 15 350 Hard seal(1/h) Single seat:≤10~4 valve rated capacity(class IV); double seat, sleeve: ≤5×10~4 valve rated capacity(Class Soft seal(1/h) 0.15 0.3 0.45 0.6 0.9 1.7 4 6.75 11.1 Maximum	efficient(KV) 7 11 20 30 48 75 120 190 300 480 760 1100 oke(mm) 8 10 14 20 25 40 50 60 ssure(MPa) 1.6 4.0 6.4 15-50 40-80 60-140 120-220 160-220 200-260 15-50 40-80 60-140 120-220 160-220 200-260 240-300 280-350 330-400 380-450 480-560 540-620 15-50 40-80 60-140 120-220 160-220 200-260 240-300 280-350 330-400 380-450 480-560 540-620 15-50 40-80 60-140 120-220 160-220 200-260 240-300 280-350 330-400 380-450 480-560 540-620 15-50 40-80 60-140 120-220 160-220 200-260 15-50 40-80 60-140 120-220 160-220 120-200 15-50 40-80 60-140 120-220 160-220 120-200 15-50 40-80 60-140 120-220 160-220 120-200 15-50 40-80 60-140 120-220 160-220 160-220 120-200 15-50 40-80 60-140 120-220 160-220 120-200 15-50 40-80 60-80 70 70 70 70 70 70 70 70 70 70 70 70 70

	20	25	32	40	50	65	80	100	125	150	200	250	300	
e (B)	38	383 512		12	603	862		1023	1380		1800	2000	2200	
e (L)	150	160	180	200	230	290	310	350	400	480	600	730	850	
н	47	75	520		540	710		780	840	880	915	940	1000	
Α	28	30				308								
н	45	55	50	00	520	690		760	800	870	880	900	950	
Α			230											
н	450		490		510	680		750	790	860	870	890	940	
Α	176						194		280					
н	44	15		480		670		740	780	850	860	880	930	
Α			176			194			280					
н	44	5	570		600	820		890	950		1000	1100	1200	
Α	8	5	96											
н	44	15	570		600	820		980	950		1000	1100	1200	
Α	8	5	96											
	26	5	3	7	42	72	90	114	130	144	180	200	250	
Pressure pipe joint thread							M1.6×1.5							
	A H A H A H A H A	Ze (B) 38 E (L) 150 H 47 A 28 H 49 A	ze (B) 383 e (L) 150 160 H 475 A 280 H 455 A H 450 A H 445 A H 445 A 85 H 445 A 85 H 445 A 85	ze (B) 383 51 e (L) 150 160 180 H 475 52 A 280 H 455 50 A 176 H 445 176 H 445 55 A 85 176 H 445 55 A 85 30 A 85 30 A 85 30 B 30 30	ze (B) 383 512 e (L) 150 160 180 200 H 475 520 A 280 H 455 500 A H 450 490 A 176 H 445 480 A 176 H 445 570 A 85 H 445 570 A 85 H 445 37	ze (B) 383 512 603 e (L) 150 160 180 200 230 H 475 520 540 A 280 H 455 500 520 A 176 H 445 480 A 176 H 445 570 600 A 85 H 445 570 600 A 85 H 26 37 42	ze (B) 383 512 603 86 e (L) 150 160 180 200 230 290 H 475 520 540 77 A 280 H 455 500 520 69 A 23 H 450 490 510 68 A 176 H 445 480 6 A 176 H 445 570 600 8 A 85 H 445 570 600 8 A 85 A 85 A 85 A 85 A 85 A 85 A 85	ze (B) 383 512 603 862 e (L) 150 160 180 200 230 290 310 H 475 520 540 710 A 280 H 455 500 520 690 A 230 H 450 490 510 680 A 176 194 H 445 480 670 A 176 194 H 445 570 600 820 A 85 H 445 570 600 820 A 85 A 85 A 85 A 85 B 26 37 42 72 90	Re (B) 383 512 603 862 1023 e (L) 150 160 180 200 230 290 310 350 H 475 520 540 710 780 A 280 308 H 455 500 520 690 760 A 230 H 450 490 510 680 750 A 176 194 H 445 480 670 740 A 176 194 H 445 570 600 820 890 A 85 96 H 445 570 600 820 980 A 85 96 H 445 570 600 820 980 A 85 96 H 445 570 600 820 980 A 85 96 H 26 37 42 72 90 114	Re (B) 383 512 603 862 1023 13 e (L) 150 160 180 200 230 290 310 350 400 H 475 520 540 710 780 840 A 280 308 H 455 500 520 690 760 800 A 230 H 450 490 510 680 750 790 A 176 194 H 445 480 670 740 780 A 176 194 H 445 570 600 820 890 9 A 85 96 H 445 570 600 820 980 9 A 85 96 H 26 37 42 72 90 114 130	Re (B) 383 512 603 862 1023 1380 e (L) 150 160 180 200 230 290 310 350 400 480 H 475 520 540 710 780 840 880 A 280 308 H 455 500 520 690 760 800 870 A 230 H 450 490 510 680 750 790 860 A 176 194 H 445 480 670 740 780 850 A 85 96 H 445 570 600 820 890 950 A 85 96 H 445 570 600 820 980 950 A 85 96 H 445 570 600 820 980 950 A 85 96 B 26 37 42 72 90 114 130 144	Re (B) 383 512 603 862 1023 1380 1800 e (L) 150 160 180 200 230 290 310 350 400 480 600 H 475 520 540 710 780 840 880 915 A 280 308 H 455 500 520 690 760 800 870 880 A 230 H 450 490 510 680 750 790 860 870 A 176 194 280 H 445 480 670 740 780 850 860 A 176 194 280 H 445 570 600 820 890 950 1000 A 85 96 H 445 570 600 820 980 950 1000 A 85 96 H 445 570 600 820 980 950 1000 A 85 96 B 26 37 </td <td>2e (B) 383 512 603 862 1023 1380 1800 2000 2e (L) 150 160 180 200 230 290 310 350 400 480 600 730 H 475 520 540 710 780 840 880 915 940 A 280 308 H 455 500 520 690 760 800 870 880 900 A 230 H 450 490 510 680 750 790 860 870 890 A 176 194 280 H 445 480 670 740 780 850 860 880 A 176 194 280 H 445 570 600 820 890 950 1000 1100 A 85 96 H 445 570 600 820 980 950 1000 1100 A 85 96 H 445 570 600 820 980</td>	2e (B) 383 512 603 862 1023 1380 1800 2000 2e (L) 150 160 180 200 230 290 310 350 400 480 600 730 H 475 520 540 710 780 840 880 915 940 A 280 308 H 455 500 520 690 760 800 870 880 900 A 230 H 450 490 510 680 750 790 860 870 890 A 176 194 280 H 445 480 670 740 780 850 860 880 A 176 194 280 H 445 570 600 820 890 950 1000 1100 A 85 96 H 445 570 600 820 980 950 1000 1100 A 85 96 H 445 570 600 820 980	

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