

ZSQ REGULATOR

Cylinder Piston Rapid Shut Off Valve

Valve description and operation

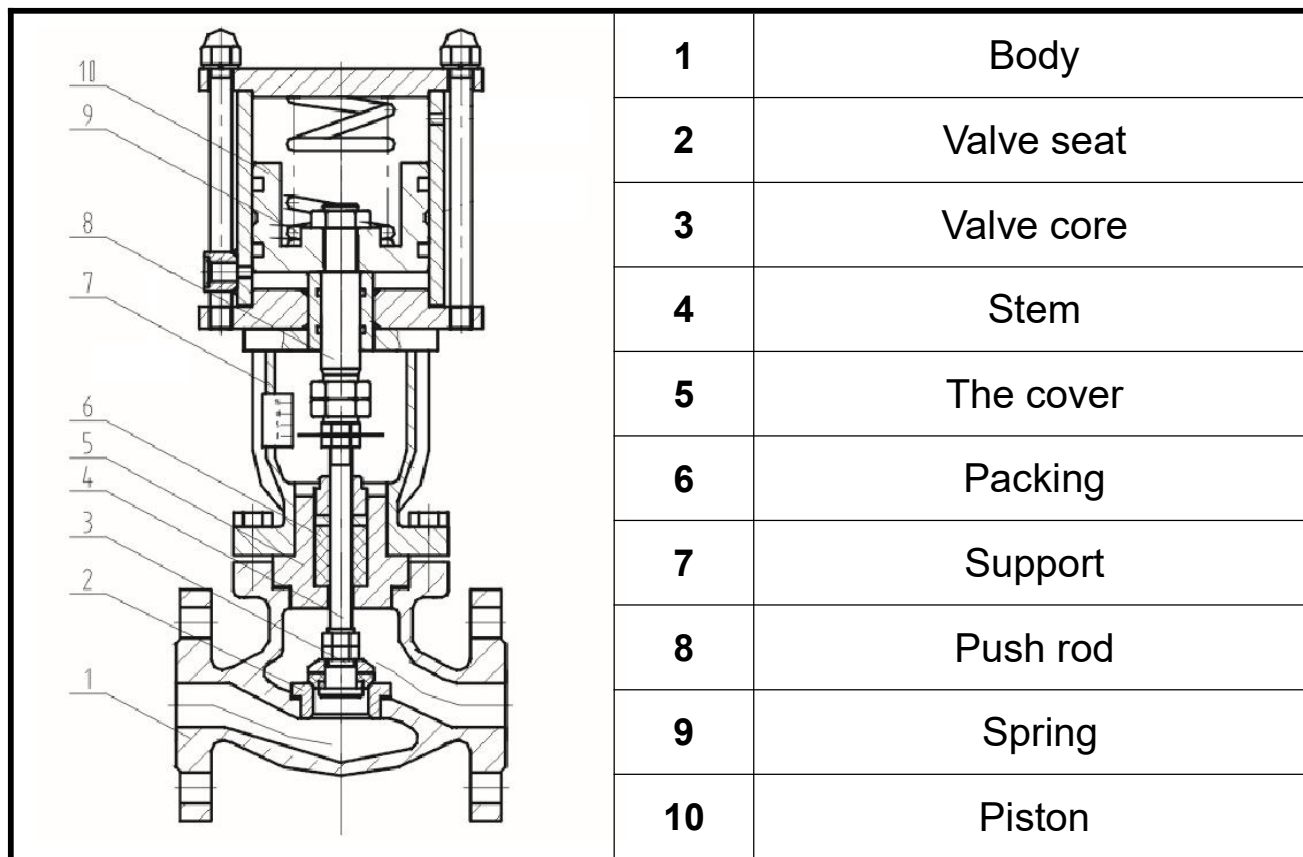
ZSQ REGULATOR is a Cylinder piston rapid shut-off valve which consists of pneumatic piston actuator and straight stroke adjustment mechanism, it's the execution unit of the automatic control system in the industry, it can rapid shut off or open automatically according to the regulating instrument signal. it also can quickly shut off alone or open to meet the set value of pressure, temperature, flow rate and liquid level.

This regulator has the advantages of simple structure, strong and reliable work, convenient maintenance, and fire and explosion prevention. and it's widely used in petroleum, chemical industry, electric power, textile and other industries automation control system.

This regulator is designed and manufactured according to the standard of AMSE/API/BS/DIN/GB. we can also design and manufacture according to buyer's special requirement.



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Hangzhou Fuyang Jinjia Fluid Equipment Co., LTD



Valve Material

Parts	Material
Body/Cover	WCB(ZG230-450);WCC(ZG270-500);WC6(ZG15CRMO); CF8(304);CF8M(316);CF3(304L);CF3M(316L)
Core/Seat	304(0Cr18Ni9);316(0Cr17Ni12Mo2);316L(00Cr17Ni14Mo2)
Packing	PTFE;R.TFE;Graphite
Sealing Gasket	XB350;PTFE;
Membrane Cover	A3;304
Corrugated Diaphragm	Nitrile Butadiene Rubber
Spring	60Si2Mn;50CrVA
STem	304;316;316L;17-4PH

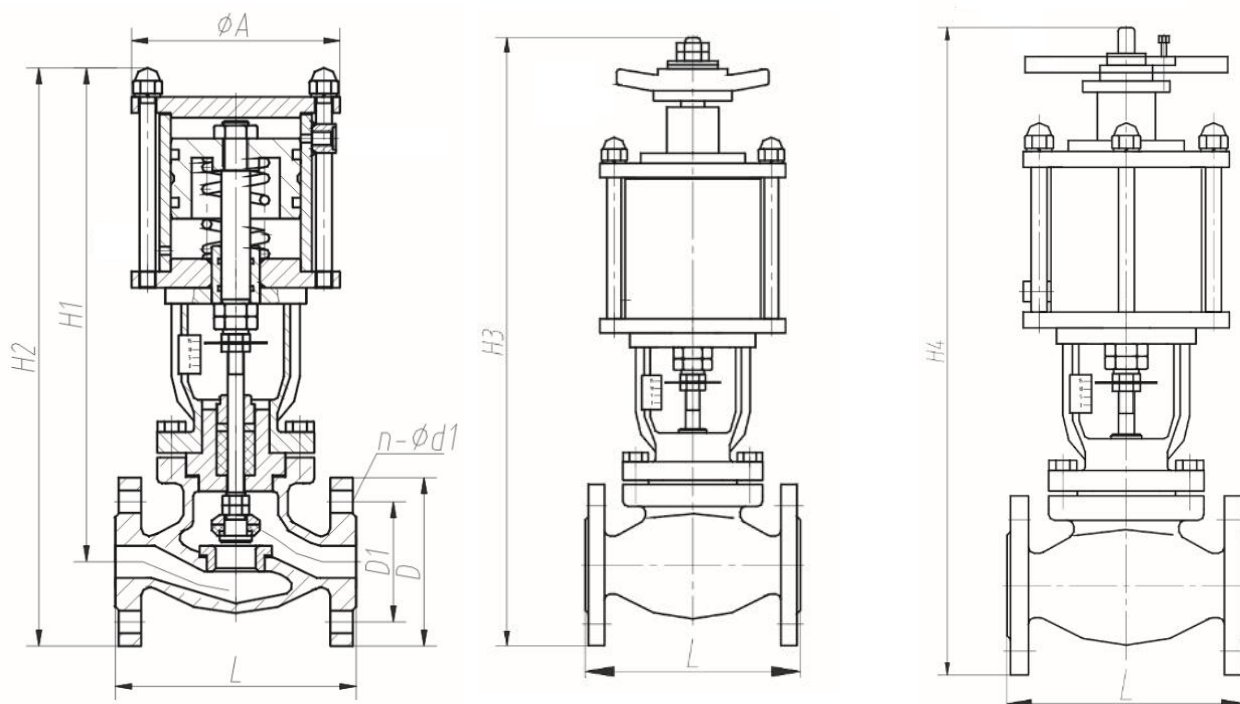
Valve Parameters

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Nominal diameter DN(mm)	20	25	32	40	50	65	80	100	125	150	200
Cylinder diameter (mm)	81			116		135	156		205	252	
Signal pressure (kpa)	400~600										
Flow characteristic	Quick opening										
Rated stroke(mm)	8			12		20		25	40		50
Coefficient(KV)	8	12	17	29	43	70	110	165	270	440	690
Leakage	Class IV; Class VI										
The time of cut off	≤1.5S					≤2.5S			≤3.5S		
Working TemperatureT(℃)	-20~200(normal temperature type) -60~550(high temperature) -250~-60(low temperature type)										
Nominal pressure	MPa		1.6, 2.5, 4.0, 6.4(6.3)/2.0, 5.0, 11.0								
	Bar		16, 25, 40, 64(63)/20, 50, 110								
	Lb		ANSI: Class150、Class300、Class600								
Air supply connection	M10×1(DN15-100), M16×1.5(DN125-350)										

Overall Dimensions



杭 州 富 阳 金 嘉 流 体 设 备 有 限 公 司
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1.Without handwheel 2. With simple handwheel 3 .with standard handwheel

Units: mm

DN	L	H ₁	H ₂	H ₃	H ₄	φA	D	D ₁	N×d ₁
20	150	311	363.5	433.5	540	125	105	75	4-14
25	160	311	368.5	443.5	545	125	115	85	4-14
32	180	311	381	456	560	125	140	100	4-18
40	200	336	411	501	590	170	150	110	4-18
50	230	336	418.5	508.5	600	170	165	125	4-18
65	290	422	514.5	624.5	695	182	185	145	4-18
80	310	425	525	635	705	220	200	160	8-18
100	350	425	535	645	715	220	220	180	8-18
125	400	677	802	940	940	258	250	210	8-18
150	480	695	837	990	990	350	285	240	8-22
200	600	760	930	1035	1035	350	340	295	12-22