

DYVA
艾姆森控制阀门
ATAMMS CONTROL VALVE

国阀品质
NATIONAL VALVE QUALITY

REGULATING VALVE SERIES 调节阀门系列

为各领域提供全套阀门解决方案！

聚焦客户关注的挑战和压力,提供有竞争力的工程产品和高质量的工程服务,持续为客户创造最大价值。

结构及用途

本厂生产的KPF-16型平衡阀是一种具有特殊功能的阀门，具有良好的流量特性，能够合理分配流量，实现流量定量，可以有效地解决供热（空调）系统中存在室温冷热不匀问题。由于该阀没有开启度指示、开度锁定装置及用于流量测定的测压小阀，所以只要在各支路及用户入口装上适当规格的平衡阀，并用专门的智能仪表进行一次性调试后锁定，便可以将系统的总水量控制在合理范围内，从而克服了“大流量，小温差”的不合理现象。该产品是供热系统中的理想产品，最高介质温度为200℃。

Structure and use

This factory production's KPF-16 by-pass valve is one kind has the special function valve, has the good discharge characteristic, can the rational distribution current capacity, realize the current capacity quota, may solve effectively heats (air conditioning) in the system to have room temperature Lang Re not the uniform question. As the valve opening degree is not directed, opening and locking device for the determination of the pressure measurement flow of a small valve, so long as the user entry in the service road and loaded the appropriate size of the balance valve, and intelligent instrument with a special one-time after the lock debugging, then the system's total volume of water can be controlled in reasonable 内 to overcome the "high-volume, small temperature" of the unreasonable phenomenon. The product is ideal for heating system, the maximum medium temperature of 200 °C.

主要零件材料Main parts material

零件名称 Part name	阀体、阀盖、阀瓣、手轮、填料压套 Body, bonnet, disc, hand wheel, packing pressure sleeve	阀杆、密封圈 Stem, sealing ring	阀杆螺母 Stem nut	垫圈Gasket	填料Packing
材料Material	灰铸铁Grey cast iron	不锈钢 Stainless steel	铸铜 Cast copper	橡胶石棉板 Rubber asbestos	膨胀石墨 Expanded Graphite

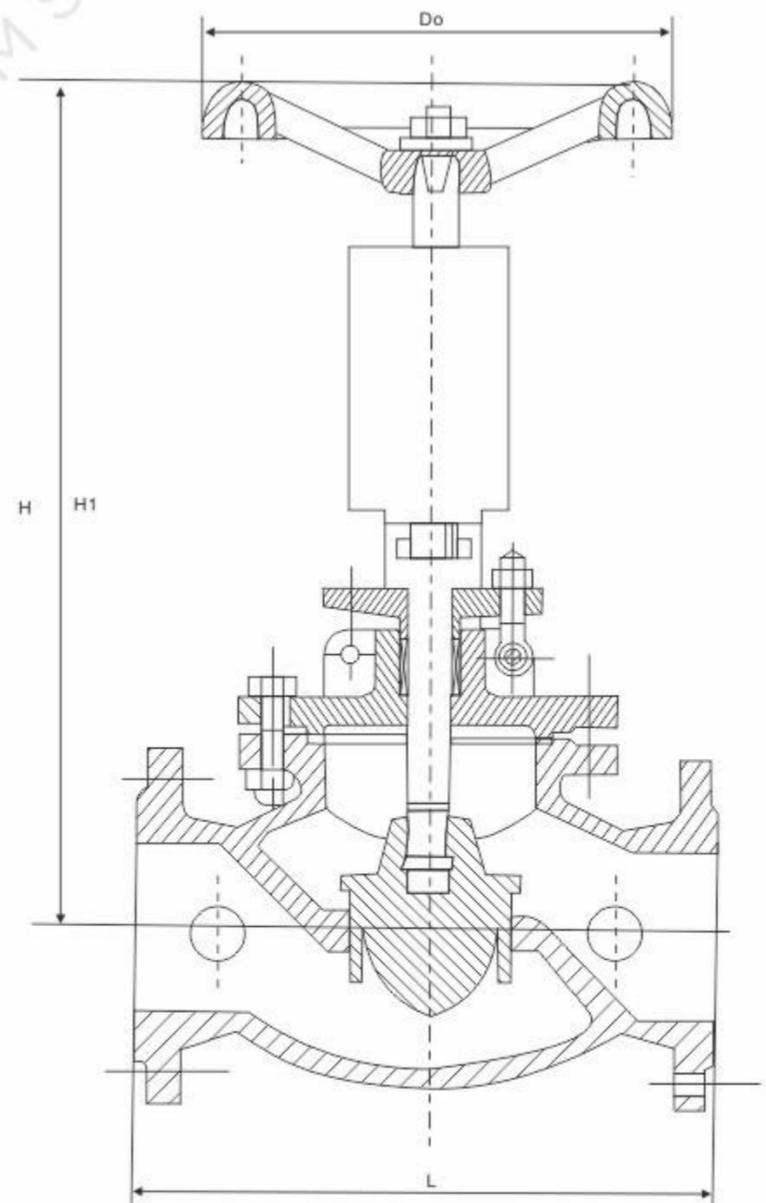
主要技术参数Main technique parameter

公称压力 PN(MPa)	试验压力 Test pressure PS(MPa)		工作压力 Working pressure (MPa)		工作介质 Working medium	介质温度 Medium temperature (°C)
	壳体 Case	密封 Seal	P20	P12		
1.6	2.4	1.76	1.5	1.6	水、蒸汽 Water, steam	≤200

主要外形尺寸（法兰连接尺寸：PN16按GB/T9113.1-2000标准）

Main external dimensions (flange connection size: PN16 according to the GB/T9113.1-2000 standard)

型号 Model	公称压力 PN(MPa)	公称口径 DN(mm)	尺寸Size (mm)			
			L	H	H1	D0
KPF-16	1.6	15	130	150	160	80
		20	150	160	170	120
		25	160	182	197	160
		32	180	192	207	180
		40	200	250	270	200
		50	230	264	284	230
		65	290	380	410	230
		80	310	413	448	270
		100	350	466	506	320
		125	400	540	898	340
		150	480	623	688	400
		200	600	687	762	500
		250	730	782	7867	560
		300	850	914	1009	680
		350	980	968	1073	680
		400	991	1037	1152	720



概述Outline

ZJHP型气动单座调节阀形小、体轻、高性能、大容量，是符合IEC标准的新一代通用调节阀产品。它适用于一般流体介质和工艺条件的生产过程系统。

ZJHP型气动单座调节阀由气动多弹簧薄膜执行机构和低流阻单座阀组成，新型执行机构高度低、重量轻、装较简便，新型阀体结构紧凑、流道通畅，具有大的流量系数。

本产品操作稳定，具有可靠的动作特性，微小的阀座泄漏、精确的流量特性、宽大的可调范围等特点。它必将以独特的优点广泛应用中取得高质量的控制效果。

ZJHP single-seat pneumatic control valve-shaped small, lightweight, high performance, large capacity, is in line with IEC standards for next-generation general-purpose control valve products. It applies to general fluid media and process conditions of the production process system.

ZJHP single-seat pneumatic control valve by the pneumatic actuator and multi-spring films with low flow resistance, single-seat valves, the new executive body's height, light weight, relatively simple installation, the new body structure is compact, smooth flow, with large traffic factor.

This product is stable operation with a reliable operating characteristics, tiny seat leakage, accurate flow characteristics, large tuning range and so on. It is bound to the unique advantages of widely used to obtain high-quality control results.

主要技术参数和性能指标Main technical parameters and performance indicators

1、调节机构主要技术参数Main technical parameters adjusting mechanism

公称口径DN (mm)		20		25	40		50	65	80	100	150		200				
阀座直径Seat diameter (mm)		10	12	15	20	25	32	40	50	65	80	100	125	150	200		
额定流量系数 Rated flow coefficient(Kv)	直线 Straight line	1.8	2.8	4.4	6.9	11	17.6	27.5	44	69	110	176	275	440	690		
	等百分比 Equal percentage	1.6	2.5	4	6.3	10	16	25	40	63	100	160	250	400	630		
公称压力PN (MPa)		0.6,1.6,4.0,6.4															
行程 Travel (mm)		16				25				40				60			
流量特性 Flow characteristics		直线、等百分比 Linear, equal percentage															
介质温度 Medium temperature (°C)		-20~200°C (常温型)、-40~250°C、-40~450°C (中温型) 20~200°C (Normal temperature), -40~250°C, -40~450°C (Medium temperature)															
法兰尺寸 Flange size		铸铁法兰尺寸按JB/T78-94,铸钢法兰尺寸按JB/T79-94 Cast iron flange size by JB/T78-94, cast steel flange dimensions by JB/T79-94															
阀体材质 Body material	PN (Mpa)	0.6,1.6		HT200													
		4.0,6.4		WCB(ZG230-450)、ZG1Cr18Ni9Ti、ZG0Cr18Ni12Mo2Ti													
阀芯材质Spool Material		1Cr18Ni9、0Cr18Ni12Mo2Ti															
上阀盖型式On valve cover type		普通式(常温型)、热片式(中温型) Ordinary type (normal temperature), heat-piece (medium temperature)															
可调比Adjustable ratio		50: 1															

注：可为用户提供ANSI、JPI、JIS法兰的产品，其法兰距按用户需要确定。

Note: To provide users with ANSI, JPI, JIS flange of the product, the flange distance determined by user needs.

2、执行机构主要技术参数Implementing agency major technique parameter

型号Model	ZHA(B)-22	ZHA(B)-23	ZHA(B)-34	ZHA(B)-45
有效面积Effective area(cm ²)	350	350	560	900
行程Travel(mm)	16	25	40	60
弹簧范围Spring range(KPa)	20~100(标准standard); 40~200; 80~240; 20~60; 60~100			

3、性能指标 Performance index

项目 Project		指标值 Index value	项目 Project		指标值 Index value			
基本误差 (%) Basic error (%)	不带定位器 Without locator	±5.0	始终点 偏差 Always point deviation (%)	气关 Close air	不带定位器 Without locator	始点 Start	±5.0	
	带定位器 Brings the locator	±1.0			不带定位器 Without locator	终点 End	±2.5	
回差 (%) Backlash (%)	不带定位器 Without locator	3.0		带定位器 Brings the locator	气开 Open air	不带定位器 Without locator	始点 Start	±1.0
	带定位器 Brings the locator	1.0				不带定位器 Without locator	终点 End	±1.0
死区 (%) Dead area (%)	不带定位器 Without locator	3.0		带定位器 Brings the locator	气开 Open air	不带定位器 Without locator	始点 Start	±2.5
	带定位器 Brings the locator	0.4				不带定位器 Without locator	终点 End	±5.0
							始点 Start	±1.0
							带定位器 Brings the locator	±1.0
						带定位器 Brings the locator	±1.0	
						带定位器 Brings the locator	±1.0	
额定行程偏差 Rated stroke deviation (%)		±2.5	允许泄漏量 Allow leakage (l/h)		1 × 10 ⁻⁴ × 阀额定容量 valve rated capacity			

4、允许公差 Allowed tolerance

开关方式 Switching mode	执行机械型号 Implementation of the mechanical model	弹簧范围 Spring range (KPa)	气源压力 Gas source Pressure (KPa)	需要附件 Need to annex	公称通径 (阀座直径) Nominal diameter (seat diameter) mm													
					20				25	40		50	65	80	100	150		200
					(10)	(12)	(15)	(20)		(32)	(40)					(125)	(150)	
气关 Close air	ZHA-22	20~100	140	P	6.4	6.4	5.94	3.34	2.14									
		20~100	250	P	6.4	6.4	6.4	6.4	6.4									
		40~200	400	P或R	6.4	6.4	6.4	6.4	6.4									
	ZHA-23	20~100	140	P						1.31	0.84	0.53	0.51	0.33	0.21			
		20~100	250	P						6.09	3.9	2.5	2.36	1.56	1.0			
40~200	400	P或R						6.4	5.26	3.39	3.21	2.12	1.35					
ZHA-34	20~100	140	P												0.22	0.15	0.08	
	20~100	250	P												1.02	0.71	0.40	
40~200	400	P或R												1.39	0.97	0.54		
ZHA-45	20~100	140	P		4.46	3.09	1.98	1.11	0.71									
	20~100	250	P		6.4	6.4	5.94	3.34	2.14									
	40~200	400	P或R		6.4	6.4	6.4	6.4	4.99									
气开 Open air	ZHB-22	20~100	140	P						0.44	0.28	0.18	0.17	0.11	0.07			
		40~200	250	P						1.37	0.84	0.53	0.51	0.33	0.21			
		80~240	400	P或R						3.05	1.95	1.25	1.18	0.78	0.5			
	ZHB-23	20~100	140	P												0.07	0.05	0.028
40~200		250	P												0.22	0.15	0.08	
80~240	400	P或R												0.51	0.35	0.20		
ZHB-34	20~100	140	P															
	40~200	250	P															
80~240	400	P或R																
ZHB-45	20~100	140	P															
	40~200	250	P															
	80~240	400	P或R															

注: 1、P阀门定位器; R压力继电器
2、允许压差为阀关闭P2=0状态下, ΔP的最大值。
3、最大压差超过1.0MPa, 阀塞、阀座表面堆焊硬质合金或改用其它材料。

Note: 1、P – valve locator; R – Following the actuator pressure
2、Allow the pressure for the valve closed state of P2 = 0, Δ P maximum.
3、The maximum pressure exceeds 1.0MPa, valve plug, valve seat surface carbide welding or using other materials.

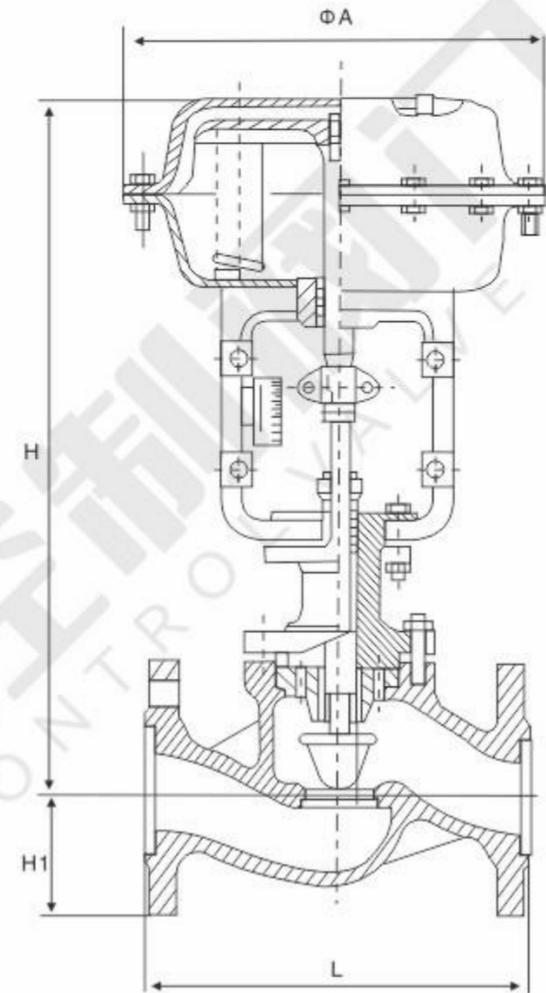
可配附件Can be equipped with accessories

定位器、手轮机构、空气过滤减压器等。

Locator, hand wheel body, air filter pressure reducer and so on.

外形尺寸External dimension

DN	L			H		H1				重量Weight (Kg)		ΦA
	PN6	PN40	PN64	普通 General	高温 High temperature	PN6	PN16	PN40	PN64	PN6 PN16	PN40 PN64	
20	181	194	206	398	548	45	52	52	65	19	23	285
25	185	197	210	410	560	50	57	57	70	20	24	285
40	222	235	251	455	620	65	75	75	85	26	35	285
50	254	267	286	457	627	70	82	82	90	30	40	285
65	276	292	311	610	790	80	92	92	100	47	66	360
80	298	317	337	622	807	95	100	100	107	55	78	360
100	352	368	394	640	850	105	110	117	125	65	99	360
150	451	473	508	870	1130	132	142	150	172	130	160	470
200	600	600	650	890	1150	160	170	187	207	175	250	470
250	670	670	775	1203	1523	187	202	225	235	350	470	580
300	735	735	900	1234	1554	220	230	257	265	500	660	580



主要零件材料Main components material

零件名称Part name	材料Material	温度范围Temperature range	备注Notes
阀体、上阀盖 Body, on valve cover	HT200	-20 ~ 200℃	
	ZG230-450	-40 ~ 450℃	
	ZG1Cr18Ni9Ti	-250 ~ 550℃	
	ZG0Cr18Ni12Mo2Ti	-250 ~ 550℃	
阀芯、阀座 Valve core, valve seat	1Cr18Ni9	-250 ~ 550℃	
	0Cr18Ni12Mo2Ti	-250 ~ 550℃	
填料 Packing	聚四氟乙烯PTFE	-40 ~ 200℃	
膜片Diaphragm	丁晴橡胶夹增强涤纶织物 BR folder enhance Polyester fabric		
压缩弹簧Compression spring	60Si2Mn		
膜盖Membrane lid	A3		

订货须知Ordering notice

订货时请注明:

- 1、产品型号; 2、公称压力; 3、公称通径、额定流量系数Kv; 4、信号压力、弹簧范围; 5、流量特性;
- 6、阀的开关方式; 7、介质工作温度范围; 8、阀体、阀芯材料; 9、是否带附件, 说明附件型号; 10、是否有其它特殊要求。

When ordering please specify:

- 1、Product model; 2、nominal pressure; 3、nominal size, rated flow coefficient Kv; 4、signal pressure, spring scope;
- 5、discharge characteristic; 6、valve's switching mode; 7、medium operating temperature scope; 8、valve chest, valve core material;
- 9、whether to bring the appendix, explanation appendix model; 10、whether to have other special requests.

概述

ZJHM型气动套筒调节阀形小、体轻、高性能、大容量，是符合IEC标准的新一代通用调节阀产品。它适用于一般流体介质和工艺条件的生产过程控制系统。

本产品由新型的气动多弹簧薄膜执行机构和低流阻套筒阀组成。

特点如下：

- 1、采用平衡型阀芯，不平衡力小，允许压差大，操作稳定。
- 2、阀芯导向面大，可改善由涡流和冲击引起的振荡，并减少损坏。
- 3、比普通单双座调节阀噪声降低10dB左右。
- 4、结构简单，装拆维修方便。

Outline

ZJHM pneumatic sleeve valve type of small, lightweight, high performance, large capacity, is in line with IEC standards for next-generation general-purpose control valve products. It applies to general fluid media and process conditions of the production process control system.

This product is new type of pneumatic actuator and multi-spring films with low flow resistance sleeve valve. The following features:

- 1、Spool with balanced, unbalanced force is small, allowing a large pressure difference, the operation stability.
- 2、Spool orientation is large, can be improved and the impact caused by the eddy current oscillation, and reduce the damage.
- 3、Than ordinary single-seat control valve noise reduction 10dB.
- 4、The structure is simple, the assembling and dismantling service is convenient.

主要技术参数和性能指标Main technical parameters and performance indicators

1、调节机构主要技术参数Main technical parameters and performance indicators

公称通径DN (mm)	25	40	50	65	80	100	150	200			
阀座直径 Seat diameter (mm)	25	32	40	50	65	80	100	125	150	200	
额定流量系数 Rated flow coefficient(Kv)	直线 Straight line	11	17.6	27.6	44	69	110	176	275	440	690
	等百分比 Equal percentage	10	16	25	40	63	100	160	250	400	630
公称压力 Nominal pressure (MPa)	0.6,1.6,4.0,6.4										
行程 Travel (mm)	16	25	40	60							
流量特性 Flow characteristics	直线、等百分比 Linear, equal percentage										
介质温度 Medium temperature (°C)	-20 ~ 200°C、-40 ~ 250°C (常温型Normal temperature)、-40 ~ 450°C (中温型Medium temperature)										
法兰尺寸 Flange size	铸铁法兰尺寸按JB/T78-94,铸钢法兰尺寸按JB/T79-94 Cast iron flange size by JB/T78-94, cast steel flange dimensions by JB/T79-94										
阀体材质 Body material	PN (Mpa)	0.6,1.6	Ht200								
		4.0,6.4	ZG230-450、ZG1Cr18Ni9Ti、ZG0Cr18Ni12Mo2Ti								
阀芯材质 Spool Material	1Cr18Ni9、0Cr18Ni12Mo2Ti										
上阀盖型式 On valve cover type	普通式 (常温型) , 热片式 (中温型) General style(normal temperature),hot chip (medium temperature)										
可调比 Adjustable ratio	50: 1										

注：可为用户提供ANSI、JPI、JIS法兰的产品，其法兰距按用户需要确定。

Note: May provide ANSI, JPI, the JIS flange's product for the user, its flange is apart from according to the user need determination.

2、执行机构主要技术参数Implementing agency major technique parameter

型号Model	ZHA(B)-22	ZHA(B)-23	ZHA(B)-34	ZHA(B)-45
有效面积Effective area (cm ²)	350	350	560	900
行程Travel (mm)	16	25	40	60
弹簧范围Spring range(KPa)	20 ~ 100(标准Standard); 40 ~ 200; 80 ~ 240; 20 ~ 60; 60 ~ 100			

3、性能指标 Performance indicators

项目 Project		指标值 Index value	项目 Project		指标值 Index value		
基本误差 Basic error (%)	不带定位器 Without locator	±5.0	始终点偏差 Selects throughout Deviation (%)	气关 Close air	不带定位器 Without locator	始点 Start	±5.0
	带定位器 Brings the locator	±1.0			不带定位器 Without locator	终点 End	±2.5
不带定位器 Without locator		3.0			带定位器 Brings the locator	不带定位器 Without locator	始点 Start
	带定位器 Brings the locator	1.0				不带定位器 Without locator	终点 End
回差 Backlash (%)		不带定位器 Without locator		3.0	气开 Open air	不带定位器 Without locator	始点 Start
	带定位器 Brings the locator	1.0		带定位器 Brings the locator			不带定位器 Without locator
死区 Dead area (%)		不带定位器 Without locator				3.0	带定位器 Brings the locator
	带定位器 Brings the locator	0.4		带定位器 Brings the locator		带定位器 Brings the locator	
额定行程偏差 Rated stroke deviation (%)		±2.5	允许泄漏量 Allow leakage (l/h)			$2 \times 10^{-3} \times$ 阀额定容量 valve rated capacity	

4、允许公差 Allowed tolerance

开关方式 Switching mode	执行机械型号 Implementation of the mechanical model	弹簧范围 Spring range (KPa)	气源压力 Gas source Pressure (KPa)	需要附件 Need to annex	公称通径 Nominal diameter (mm)								
					25	40	50	65	80	100	150	200	
气关 Close air	ZHA-22	20~100	0.14	-	3.00								
		20~100	0.25	P	6.4								
	40~200	0.4	P或R	6.4									
	ZHA-23	20~100	0.14	-		2.25	1.95						
20~100		0.25	P		6.4	6.4							
40~200	0.4	P或R		6.4	6.4								
ZHA-34	20~100	0.14	-					2.36	2.04	1.67			
	20~100	0.25	P					6.4	6.4	6.4			
	40~200	0.4	P或R					6.4	6.4	6.4			
ZHA-45	20~100	0.14	-								1.41	1.41	
	20~100	0.25	P								6.4	6.4	
	40~200	0.4	P或R								6.4	6.4	
气开 Open air	ZHB-22	20~100	0.14	-	1.5								
		40~200	0.25	P	4.5								
		80~240	0.4	P或R	6.4								
	ZHB-23	20~100	0.14	-			1.13	0.98					
40~200		0.25	P			3.38	2.93						
80~240		0.4	P或R			6.4	6.4						
ZHB-34	20~100	0.14	-					1.18	1.02	0.84			
	40~200	0.25	P					3.54	3.06	2.51			
	80~240	0.4	P或R					6.4	6.4	5.85			
ZHB-45	20~100	0.14	-								0.71	0.57	
	40~200	0.25	P								2.12	1.71	
	80~240	0.4	P或R								4.94	4.00	

注：1、P-阀门定位器；R-压力继电器
2、允许压差为阀关闭P2=0状态下，ΔP的最大值。
3、最大压差超过1.0MPa，阀塞、阀座表面堆焊硬质合金。

Note: 1、P – valve locator; R – Following the actuator pressure
2、allow the pressure for the valve closed state of P2 = 0, Δ P maximum.
3、the maximum pressure exceeds 1.0MPa, valve plug, socket welding surface carbide.

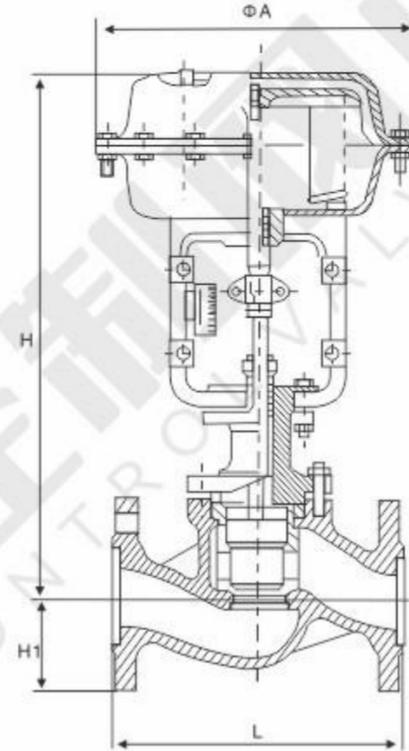
可配附件Can be equipped with accessories

定位器、手轮机构、空气过滤减压器等。

Locator, hand wheel body, air filter pressure reducer and so on.

外形尺寸External dimension

DN	L			H		H1				重量为Weight (Kg)		ΦA
	PN6	PN40	PN64	普通 General	高温 High temperature	PN6	PN16	PN40	PN64	PN6 PN16	PN40 PN64	
20	181	194	206	398	548	45	52	52	65	19	23	285
25	185	197	210	410	560	50	57	57	70	20	24	285
40	222	235	251	455	620	65	75	75	85	26	35	285
50	254	267	286	457	627	70	82	82	90	30	40	285
65	276	292	311	610	790	80	92	92	100	47	66	360
80	298	317	337	622	807	95	100	100	107	55	78	360
100	352	368	394	640	850	105	110	117	125	65	99	360
150	451	473	508	870	1130	132	142	150	172	130	160	470
200	600	600	650	890	1150	160	170	187	207	175	250	470
250	670	670	775	1203	1523	187	202	225	235	350	470	580
300	735	735	900	1234	1554	220	230	257	265	500	660	580



主要零件材料Main components material

零件名称Part name	材料Material	温度范围Temperature range	备注Notes
阀体、上阀盖 Body, on valve cover	HT200	-20 ~ 200℃	
	ZG230-450	-40 ~ 450℃	
	ZG1Cr18Ni9Ti	-250 ~ 550℃	
	ZG0Cr18Ni12Mo2Ti	-250 ~ 550℃	
阀芯、阀座 Valve core, valve seat	1Cr18Ni9	-250 ~ 550℃	
	0Cr18Ni12Mo2Ti	-250 ~ 550℃	
填料Packing	聚四氟乙烯PTFE	-40 ~ 200℃	
膜片Diaphragm	丁晴橡胶夹增强涤纶织物 NBR folder enhance Polyester fabric		
压缩弹簧Compression spring	60Si2Mn		
膜盖Membrane lid	Q235		

订货须知Ordering notice

订货时请注明：

- 1、产品型号；
- 2、公称压力；
- 3、公称口径、额定流量系数Kv；
- 4、信号压力、弹簧范围；
- 5、流量特性；
- 6、阀的开关方式；
- 7、介质工作温度范围；
- 8、阀体、阀芯材料；
- 9、是否带附件，说明附件型号；
- 10、是否有其它特殊要求。

When ordering please indicate:

- 1、Product model;
- 2、nominal pressure;
- 3、nominal size, rated flow coefficient Kv;
- 4、signal pressure, spring scope;
- 5、discharge characteristic;
- 6、valve's switching mode;
- 7、medium operating temperature scope;
- 8、valve chest, valve core material;
- 9、whether to bring the appendix, explanation appendix model;
- 10、whether to have other special requests.

概述Outline

ZMA(B)P型气动薄膜单座调节阀是自动控制系统中最常用的执行器，它由气动薄膜执行机构和直通单座阀组成，单座柱塞型阀芯，阀芯采用顶底导向，结构简单，动作可靠。适用于泄漏量要求严格，阀前后压差不宜过高的工作场合。

ZMA(B)P-type single-seat pneumatic control valve film is the most commonly used control system actuator, which consists of pneumatic membrane actuator and valve components through a single seat, single-seat piston-type spool, spool driven by top and bottom simple structure, reliable action. Apply strict leakage, valve pressure should not be too much work before and after the occasion.

规格与技术参数Specifications and technical parameters

公称通径 Nominal diameter	25	32	40	50	65	80	100	125	150	200	250	300
额定流量系数 Rated flow coefficient (Kv)	8	12	20	32	50	80	120	200	280	450	700	1100
公称压力 Nominal pressure (MPa)	1.6, 4.0, 6.4 (常温型Ambient temperature) 4.0, 6.4 (中温型Medium temperature)											
行程 Travel (mm)	16	25	40	60	100							
流量特性 Flow characteristics	直线、等百分比Linear, equal percentage											
介质温度 Medium temperature (°C)	-20 ~ 200°C、-40 ~ 250°C (常温型Normal temperature)、-40 ~ 450°C (中温型Medium temperature)											
法兰尺寸 Flange size	铸铁法兰尺寸按JB/T78-94,铸钢法兰尺寸按JB/T79-94 Cast iron flange size by JB/T78-94, cast steel flange dimensions by JB/T79-94											
阀体材质 Body material	PN	1.6	常温型 Normal temperature				HT200					
	(Mpa)	4.0, 6.4	常温、中温型 Normal temperature, medium temperature				ZG230-450、ZG1Cr18Ni9Ti					
阀芯材质 Spool material	1Cr18Ni9Ti											
上阀盖型式 On the valve cover type	普通式(常温型),热片式(中温型) General style(normal temperature),hot chip (medium temperature)											
可调比 Adjustable ratio	30: 1											

注：可为用户提供ANSI、JPI等国外法兰标准的产品，其法兰距按用户需要确定。
Note: To provide users with ANSI, JPI flange standard and other foreign products, according to the user from the need to determine the flange.

执行机构主要技术参数Implementing agency major technique parameter

型号Model	ZMA(B)-1	ZMA(B)-2	ZMA(B)-3	ZMA(B)-4	ZMA(B)-5	ZMA(B)-6
有效面积 Effective area (cm ²)	200	280	400	630	1000	1600
行程 Travel (mm)	10	16	25	40	60	100
弹簧范围 Spring range (KPa)	20 ~ 100; 40 ~ 200; 20 ~ 60; 60 ~ 100; 80 ~ 240					

可配附件Can be equipped with accessories

定位器、手轮、电/气转换器、空气过滤减压器等。
Locator, hand wheel, electric / gas converter, air filter pressure reducer and so on.

主要技术性能指标Major technique performance index

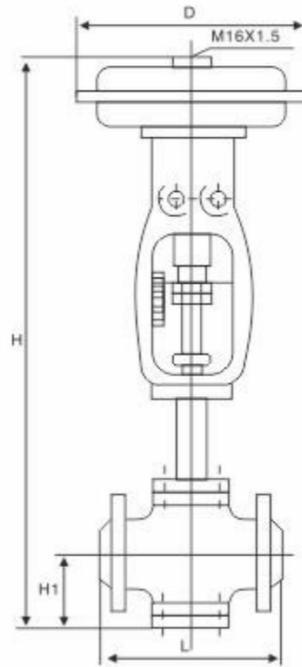
项目project	指标值Index value	
基本误差Basic error (%)	不带定位器Without locator	±5.0
	带定位器Brings the locator	±1.0
回差Backlash (%)	不带定位器Without locator	3.0
	带定位器Brings the locator	1.0
死区Dead area (%)	不带定位器Without locator	3.0
	带定位器Brings the locator	0.4
允许泄漏量Allow leakage (l/h)	1 × 10 ⁻⁴ × 阀额定容量valve rated capacity	

允许压差Permissible pressure

供气压力 Gas pressure (MPa)	弹簧压力 (KPa)	公称通径 Nominal diameter	20	20	20	20	25	32	40	50	65	80	100	125	150	200	250	300
		阀座直径 Seat diameter	10	12	15	20	25	32	40	50	65	80	100	125	150	200	250	300
0.14	20 ~ 100	允许压差 Permissible pressure (MPa)	5.3	3.7	2.3	1.3	0.8	0.5	0.5	0.3	0.25	0.2	0.12	0.12	0.08	0.05	0.05	0.035
0.24	40 ~ 200		6.4	6.4	5.5	3.1	1.8	1.2	1.1	0.7	0.65	0.45	0.18	0.18	0.10	0.10	0.10	0.07

注：使用条件为阀杆在介质流出端，关闭时P2=0。

Note: Use the medium for the valve stem outside, closed P2 = 0.



外形尺寸Main external and connection dimension

公称通径 DN(mm)	D	L			H		H1
		PN1.6MPa	PN4.0MPa	PN6.4MPa	常温型 Normal temperature	中温型 Medium temperature	
25	280	185	190	200	685	835	115
32	280	200	210	210	696	847	120
40	325	220	230	235	754	905	130
50	325	250	255	265	784	935	145
65	410	275	285	295	1056	1219	180
80	410	300	310	320	1076	1239	195
100	410	350	355	370	1085	1248	200
125	495	410	425	440	1286	1498	245
150	495	450	460	475	1306	1518	255
200	495	550	560	570	1381	1593	275
250	620	670	740	752	1455	1645	380
300	620	770	803	819	1510	1690	430

主要零件材料及推荐使用温度范围Main parts materials and recommended temperature range

零件名称Part name	材料Material	温度范围Temperature range		备注Notes
		最小Least	最大max	
阀体、上、下阀盖 Body, Upper and lower valve cover	HT200	-20℃	200℃	
	ZG230-450	-40℃	450℃	
	ZG1Cr18Ni9Ti	-250℃	550℃	
阀座、阀芯、阀杆 seat, core, lever	1Cr18Ni9	-250℃	550℃	
上、下膜盖 Upper and lower Membrane covered	A3钢板steel			
支架、顶盖 Frame, roof	HT200			
压缩弹簧 Compression spring	60Si2Mn			
波纹薄膜 Corrugated films	580胶夹480D尼龙66网眼布 580 plastic folder 480D nylon 66 mesh fabric			
填料Packing	聚四氟乙烯PTFE	-40℃	200℃	
	碳纤维Carbon fiber	-120℃	350℃	
	柔性石墨Flexible graphite	-200℃	600℃	

订货须知Order information

订货时请注明：1.产品型号；2.公称压力；3.公称通径、阀座直径；4.弹簧范围；5.是否带附件；6.流量特性；7.阀的前后压差；
8.阀体、阀芯、阀座材质；9.流体介质各类；10.是否有其它特殊要求。

When ordering please specify: 1. Model; 2. PN; 3. Nominal diameter, valve seat diameter; 4. Spring range; 5. With or without attachments; 6. Flow characteristics; 7. Valve differential pressures; 8. Valve body, valve core, valve seat material quality; 9. Fluid medium each kind; 10. Whether or have other special requests.

概述Outline

ZMA(B)N型气动薄膜双座调节阀是常用的执行器之一。阀内有两个阀座，流体通过阀芯与两个阀座之间的上下密封面流出，因而流通能力大，不平衡力小。适用于流量大，压差大，泄漏量要求不高的场合。

ZMA (B) N-type pneumatic film double-seat control valve actuator is a common one. There are two valve seat, fluid through the valve seat and two up and down between the sealing surface outflow, and thus flow capacity, unbalanced force is small. Apply to traffic flow, pressure large leakage less demanding situations.

规格与技术参数Specifications and technical parameters

公称通径DN (mm)	25	32	40	50	65	80	100	125	150	200	250	300
额定流量系数 Rated flow coefficient (Kv)	10	16	25	40	63	100	160	250	400	630	1000	1600
公称压力 Nominal pressure (MPa)	1.6, 4.0, 6.4 (常温型Normal temperature)						4.0, 6.4 (中温型Medium temperature)					
行程 Travel (mm)	16		25		40		60		100			
流量特性 Flow characteristics	直线、等百分比Linear, equal percentage											
介质温度 Medium temperature (°C)	-20 ~ 200°C、-40 ~ 250°C (常温型Normal temperature)、-40 ~ 450°C (中温型Medium temperature)											
法兰尺寸 Flange size	铸铁法兰尺寸按JB/T78-94,铸钢法兰尺寸按JB/T79-94 Cast iron flange size by JB/T78-94, cast steel flange dimensions by JB/T79-94											
阀体材质 Body material	PN (Mpa)	1.6	HT200									
		4.0, 6.4	ZG230-450、ZG1Cr18Ni9Ti									
阀芯材质 Valve core material	1Cr18Ni9Ti											
上阀盖型式 On valve cover pattern	普通式 (常温型)，热片式 (中温型) General style(Normal temperature), Hot chip (Medium temperature)											
可调比 Adjustable ratio	30: 1											

注：可为用户提供ANSI、JPI、JIS等国外法兰标准的产品，其法兰距按用户需要确定。

Note: May provide ANSI, JPI, JIS for the user and so on overseas flange standard product, its flange is apart from according to the user need determination.

执行机构主要技术参数Implementing agency major technique parameter

型号model	ZMA(B)-2	ZMA(B)-3	ZMA(B)-4	ZMA(B)-5	ZMA(B)-6
有效面积 Effective area (cm ²)	280	400	630	1000	1600
行程 Travel (mm)	16	25	40	60	100
弹簧范围 Spring range (KPa)	20 ~ 100; 40 ~ 200; 20 ~ 60; 60 ~ 100; 80 ~ 240				

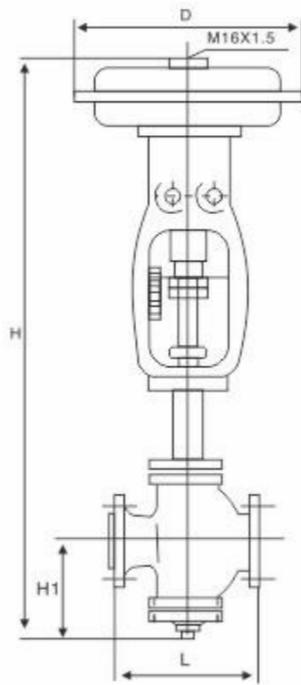
可配附件Can be equipped

定位器、空气过滤减压器、压力表、手轮、电磁阀、限位开关、电/气转换器等。

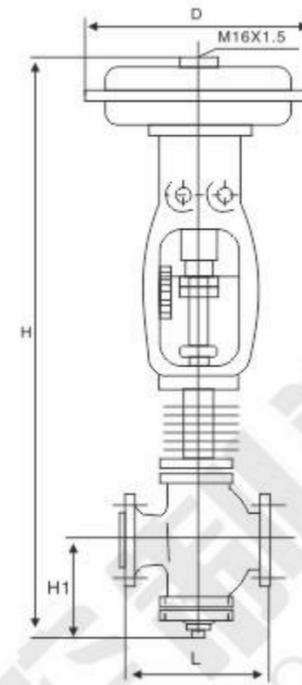
Locator, air filtration redactor, Pressure gauge, hand wheel, solenoid valve, limit switches, electric / gas converter.

主要技术性能指标Key performance indicators

项目project	指标值Index value	
基本误差Basic error (%)	不带定位器Without locator	± 5.0
	带定位器Brings the locator	± 1.0
回差Backlash (%)	不带定位器Without locator	3.0
	带定位器Brings the locator	1.0
死区Dead area (%)	不带定位器Without locator	3.0
	带定位器Brings the locator	0.4
允许泄漏量Allow leakage (l/h)	1×10^{-3} × 阀额定容量Valve rated capacity	



常温型Normal temperature



中温型Medium temperature

允许压差Permissible pressure

供气压力 Gas pressure (MPa)	弹簧压力 Spring pressure (KPa)	公称口径DN (mm)												
		25	32	40	50	65	80	100	125	150	200	250	300	
0.14	20 ~ 100	5.4	4.4	4.9	3.8	4.7	3.6	2.8	3.75	2.7	2.15	2.0	1.7	
0.24	40 ~ 200	10.8	8.8	9.8	7.6	9.4	7.2	5.6	7.5	5.4	4.3	4.0	3.4	

注：使用条件为阀杆在介质流出端，关闭时P2=0。
Note: use the medium for the valve stem outside, closed P2 = 0.

外形尺寸External dimensions

公称口径 DN(mm)	D	L			H		H1
		PN16	PN40	PN64	常温型 Normal temperature	中温型 Medium temperature	
25	280	185	190	200	685	835	120
32	280	200	210	210	690	840	120
40	325	220	230	235	785	925	140
50	325	250	255	265	795	935	145
65	410	275	285	295	1165	1220	190
80	410	300	310	320	1095	1260	210
100	410	350	355	370	1120	1280	220
125	495	410	425	440	1320	1535	270
150	495	450	460	475	1340	1555	280
200	495	550	560	570	1425	1640	320
250	600	640	660	670	1956	/	440
300	600	720	735	750	2016	/	475

订货须知Order information

订货时请注明：1.产品型号；2.公称压力；3.公称口径；4.弹簧范围；5.流量特性；6.使用介质；7.使用温度；8.阀前后压力；
9.阀体、阀芯、阀座材质；10.附件。

When ordering please specify: 1. Model; 2. PN; 3. Nominal diameter; 4. Spring range; 5. Flow characteristics; 6. use medium;
7. Application temperature 8. Valve pressure before and after; 9, Body, valve core, valve seat material quality 10. Annex.

概述Outline

ZMAQ(BX)型气动薄膜三通调节阀有合流两种作用方式。阀芯结构采用圆筒薄壁窗口，并采用阀芯侧面导向。三通阀在某些场合可以替代两个二通阀和一个三通接管而得到广泛应用，常用于热交换器的两种调节，也可用于简单的配比调节。

ZMAQ (BX)-type pneumatic film confluence of three-way valves have two modes of action. The valve core structure uses the cylinder thin wall window, and uses the valve core side guidance Three-way valve in some cases can replace the two 2-way valve and a links over the widely used two kinds of heat exchangers used in regulation, the ratio can also be used for simple adjustment.

主要技术参数和性能指标Major technique parameter and performance index

1、调节机构主要技术参数Main technical parameters adjusting mechanism

公称口径 DN (mm)	合流 Confluence	25	32	40	50	65	80	100	125	150	200	250	300
	分流 Shunt						80	100	125	150	200	250	300
额定流量系数 Rated flow coefficient (Kv)	合流 Confluence	8.5	13	21	34	52	85	135	210	340	535	800	1260
	分流 Shunt						85	135	210	340	535	800	1260
公称压力PN (MPa)	1.6, 4.0, 6.4												
行程 Travel (mm)	16	25	40	60	100								
流量特性 Flow characteristics	直线Straight line												
介质温度 Medium temperature (°C)	-20~200°C、-40~250°C (常温型Normal temperature)、-40~315°C (中温型Medium temperature)												
法兰尺寸 Flange size	铸铁法兰尺寸按JB/T78-94,铸钢法兰尺寸按JB/T79-94 Cast iron flange size by JB/T78-94, cast steel flange dimensions by JB/T79-94												
阀体材质 Body material	HT200、ZG230-450、ZG1Cr18Ni9Ti												
阀芯材质 Valve core material	1Cr18Ni9Ti												
上阀盖型式 On valve cover pattern	普通式(常温型), 热片式(中温型) General style(Normal temperature), Hot chip (Medium temperature)												
可调比 Adjustable ratio	30: 1												

注：可为用户提供ANSI、JPI、JIS法兰的产品，其法兰距按用户需要确定。

Note: To provide users with ANSI, JPI, JIS flange of the product, the flange distance determined by user needs.

2、执行机构主要技术参数Main technical parameters adjusting mechanism

型号Model	ZHA(B)-3	ZHA(B)-4	ZHA(B)-5	ZHA(B)-6
有效面积 Effective area (cm ²)	400	630	1000	1600
行程 Travel (mm)	16, 25	40	60	100
弹簧范围 Spring range (Kpa)	20~100; 40~200; 20~60; 60~100; 80~240			

3、性能指标 Performance indicators

项目 project		不带定位器 Without locator	带定位器 Brings the locator
基本误差 Basic error (%)		±6	±1.5
回差 Backlash (%)		5	1.5
死区 Dead (%)		4	0.6
始终点偏差 Always point deviation (%)	气开 Open air	始点 Start	±2.5
		终点 End	±6.0
	气关 Close air	始点 Start	±6.0
		终点 End	±2.5
额定行程偏差 (%) Rated stroke deviation (%)		±2.5	
允许泄漏量 (l/h) Allow leakage (l/h)		10 ⁻³ × 阀额定容量 Valve rated capacity	

4、允许压差 Permission differential pressure

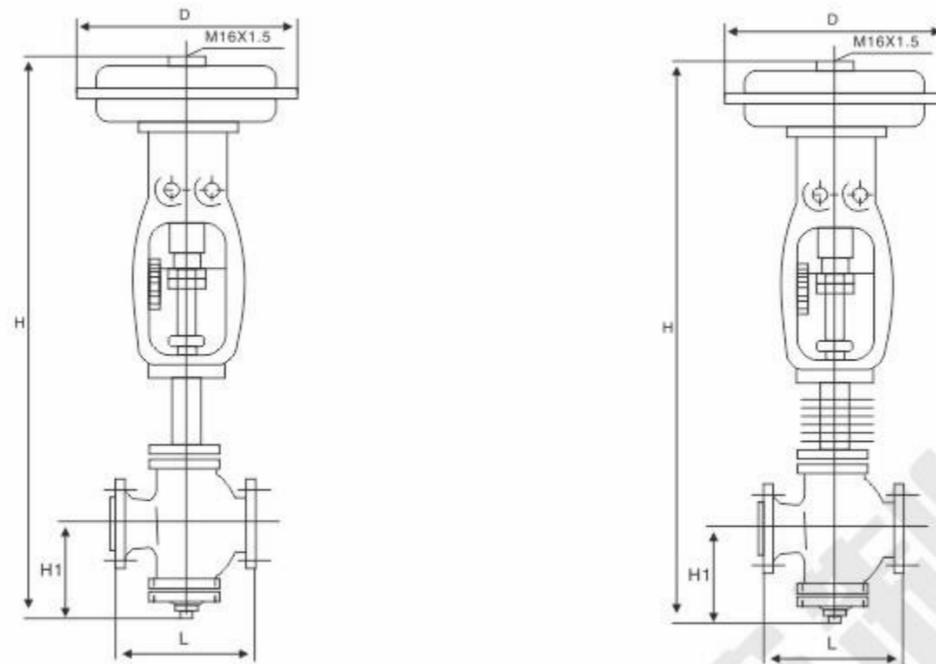
气源压力 Air pressure (MPa)	弹簧范围 Spring range (KPa)	公称通径 DN (mm)											
		25	32	40	50	65	80	100	125	150	200	250	300
0.14	20~100	1220	750	500	300	300	200	120	120	80	50	50	25

可配附件 Can be equipped with accessories

定位器、手轮机构、空气过滤减压器等。
Locator, hand wheel body, air filter pressure reducer and so on.

主要零件材料 Main components material

零件名称 Part name	材料 Material	温度范围 Temperature range
阀体、上、下阀盖 Body On valve cover pattern	HT200	-20 ~ 200°C
	ZG230-450	-40 ~ 250°C
	ZG1Cr18Ni9Ti	-250 ~ 550°C
阀座、阀芯、阀杆 Seat, core, lever	1Cr18Ni9T	-250 ~ 550°C
密封垫 Gasket	橡胶石棉板 Rubber asbestos	
	不锈钢缠绕垫 Stainless Steel Spiral Wound Gasket	
填料 Packing	聚四氟乙烯 PTFE	
上、下膜盖 Upper and lower membrane cover	A3钢板 Stem	
螺栓螺母 Bolt nut	35CrMoA	
	35、A3	
支架、顶盘 Bracket, top plate	HT200	
压缩弹簧 Compression spring	60Si2Mn	
波纹薄膜 Corrugated films	560胶夹480D尼龙66网眼布 560 plastic folder 480D nylon 66 mesh fabric	



外形尺寸 External dimensions

公称 口径 DN (mm)	行程 Travel	D	合流 Confluence									分流 Divergence								
			L			H1		H2			L			H2		H2				
			PN(MPa)					PN(MPa)								PN(MPa)				
			1.6	4.0	6.4	常温型 Normal temperature	中温型 Medium temperature	1.6	4.0	6.4	1.6	4.0	6.4	常温型 Normal temperature	中温型 Medium temperature	1.6	4.0	6.4		
25	16	325	185	190	200	615	763	140	150	150	185	190	200	615	763	140	150	160		
32	16	325	200	200	210	622	773	150	160	170	200	200	210	622	773	150	160	170		
40	25	325	220	220	235	625	776	160	170	180	220	220	235	625	776	160	170	180		
50	25	325	250	255	265	640	791	180	190	200	250	255	265	640	791	180	190	200		
65	40	410	275	285	295	861	1024	200	210	220	275	285	295	861	1024	200	210	220		
80	40	410	300	310	320	879	1042	210	230	240	300	310	320	885	1050	225	250	265		
100	40	410	350	360	370	873	1036	220	250	260	350	360	370	900	1060	245	275	285		
125	60	495	410	430	440	1029	1244	260	300	300	410	430	440	1050	1265	285	320	325		
150	60	495	450	465	475	1046	1261	280	320	320	450	465	475	1060	1275	305	340	345		
200	60	495	550	560	570	1075	1290	320	380	380	550	560	570	1105	1320	350	400	410		
250	100	600	635	660	670	1451	1320	/	474	474	635	660	670	1525	2800	/	540	540		
300	100	600	720	740	770	1512	1560	/	584	584	720	740	770	1545	1820	/	612	612		

注：公称通径小于80的分流阀采用同口径的合流阀代替。

Note: Nominal diameter use less than 80 of the shunt valve replaced with the caliber of the confluence valve.

订货须知 Order information

订货时请注明：1.产品型号；2.公称口径、额定流量系数Kv；3.信号压力、弹簧范围；4.流量特性；5.阀前后压力；6.介质种类；

7.介质工作温度范围；8.阀体、阀塞、套筒材质；9.是否带手轮机构及定位器并说明型号；10.是否有其它特殊要求。

When ordering please specify: 1. Model; 2. Nominal diameter, nominal flow coefficient Kv; 3. Signal pressure, the spring range;

4. Flow characteristics; 5. Valve pressure before and after; 6. Media types; 7. Medium operating temperature range;

8. Valve, valve plug, the sleeve material; 9. Whether with hand wheel locator and state agencies and models;

10. Whether or have other special requests.

概述Outline

ZSPQ气动活塞切断机构与气动活塞执行机构组成。切断机构采用直通单座形式，DN20阀芯为单导向，DN25~200阀芯为双导向，具有结构简单，操作方便，使用可靠，快速开闭等特点。主要应用于无杂质、无颗粒的液体、气体介质，要求快速严密关闭，快速放空的自动控制系统中。

ZSPQ cut off the body and the pneumatic piston pneumatic piston implementing agencies. Cut off the body by direct single-seat form, DN20 spool as a single direction, DN25 ~ 200 spool for the dual-oriented, has a simple structure, convenient operation, reliable, fast opening and closing and so on. Mainly used in no impurities, no particles of liquid and gas media, require fast tight closure, rapid emptying of the automatic control system.

主要技术参数和性能指标Main technical parameters and performance indicators
1、切断机构主要技术参数Cut off the institution's key technical parameters

公称口径DN (mm)	20	25	32	40	50	65	80	100	125	150	200
阀座直径 Seat diameter(mm)	26	43	43	52	62	79	94	115	140	166	216
额定流量系数 Rated flow coefficient (Kv)	6.5	10	15	25	40	65	100	150	260	350	540
公称压力PN (MPa)	4.0										
行程 Travel (mm)	16		25			40			60		
介质温度 Medium temperature (℃)	-60 ~ 150℃ (常温Normal temperature)、-60 ~ 450℃ (中温Medium temperature)、 -60 ~ 55℃ (高温型High temperature)、-250 ~ 60℃ (低温Low temperature)										
流量特性 Flow characteristics	两位快开式Two quick-opening										
配执行机构 With implementing agencies	ZSD-2		ZSD-3			ZSD-5			ZSD-7		
法兰尺寸 Flange size	按According toJB/T79-94										
阀体材质 Body material	ZG230-450、ZG1Cr18Ni9Ti、ZG0Cr18Ni12Mo2Ti										

2、执行机构主要技术参数Main technical parameters adjusting mechanism

型号Model	ZSD-2	ZSD-3	ZSD-5	ZSD-7
活塞直径 Piston diameter (mm)	150	200	300	400
有效面积 Effective area (cm ²)	175	305	700	1245
行程 Travel (mm)	10, 16	25	40	60
进气孔螺纹 The air inlet thread	M16×1.5	M20×1.5	M20×1.5	M24×2
最大输出力 Maximum output force (N)	7200	1200	29300	52000
操作气源压力 Operating air supply pressure (Kpa)	500			

3、性能指标 Performance indicators

公称通径DN(mm)	20	25	32	40	50	65	80	100	125	150	200
泄漏量 Leakage (ml/min)	软密封 Soft seal	0									
	硬密封 Hard seal	1	3			5			7	9	
切断时间 (S) Cut off time (S)	1~2					2~4					
额定行程偏差 (%) Rated stroke deviation (%)	± 15										

注：泄漏量用水做试验
Note: Do water leakage test

4、允许压差 Permission differential pressure

公称通径DN (mm)	20	25	32	40	50	65	80	100	125	150	200
允许压差 (MPa) Permission differential pressure (MPa)	4.0										
	4.0 (2.5) (1.7) (1.0) (1.1) (0.8) (1.6)										

注：括号内数据为气关式阀允许压差
NOTE: Figures with brackets off type valve allows air pressure

可配附件 Can be equipped with accessories

手轮、电磁阀、回讯器 (或行程开关)
Hand wheel, electromagnetic valve, echo device (or limit switch)

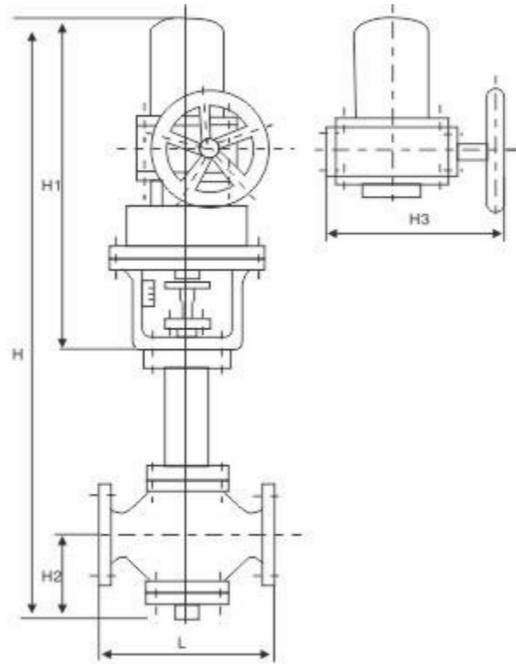
主要零件材料 Main components material

零件名称 Part name	材料 Material	零件名称 Part name	材料 Material
阀体、阀盖 Body, bonnet	ZG230-450、ZG1Cr18Ni9Ti	O型密封圈 O-ring	耐油橡胶 Oil rubber
阀杆、阀芯 lever, core	1Cr18Ni9	压缩弹簧 Compression spring	60Si2Mn
密封填料 Sealing, Packing	V型聚四氟乙烯 V-PTFE	支架 Support	QT420-10
密封垫 Gasket	1Cr18Ni9夹石棉板 Folder asbestos	蜗轮箱、蜗轮、气缸、轴承盖、活塞 Worm gear box, worm wheel, cylinder, bearing caps, pistons	HT200
蜗杆 Worm	45	推杆 Putters	2Cr13

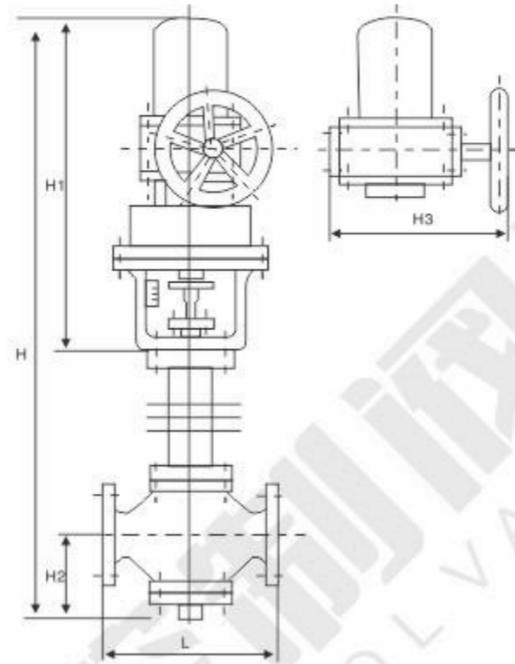
订货须知 Order Information

订货时请注明：1.产品型；2.公称通径；3.流量系数；4.公称压力；5.阀体材料；6.使用温度；
7.使用介质；8.阀作用方式（气开式或气关式）；9.是否有其它特殊要求。

When ordering please specify: 1. Product; 2. Nominal diameter; 3. Discharge coefficient; 4. PN; 5. Body material; 6. Use temperature; 7. Use of media; 8. Valve mode of action (gas or air to close open type); 9. Whether or have other special requests.



常温型Normal temperature



中温型Medium temperature

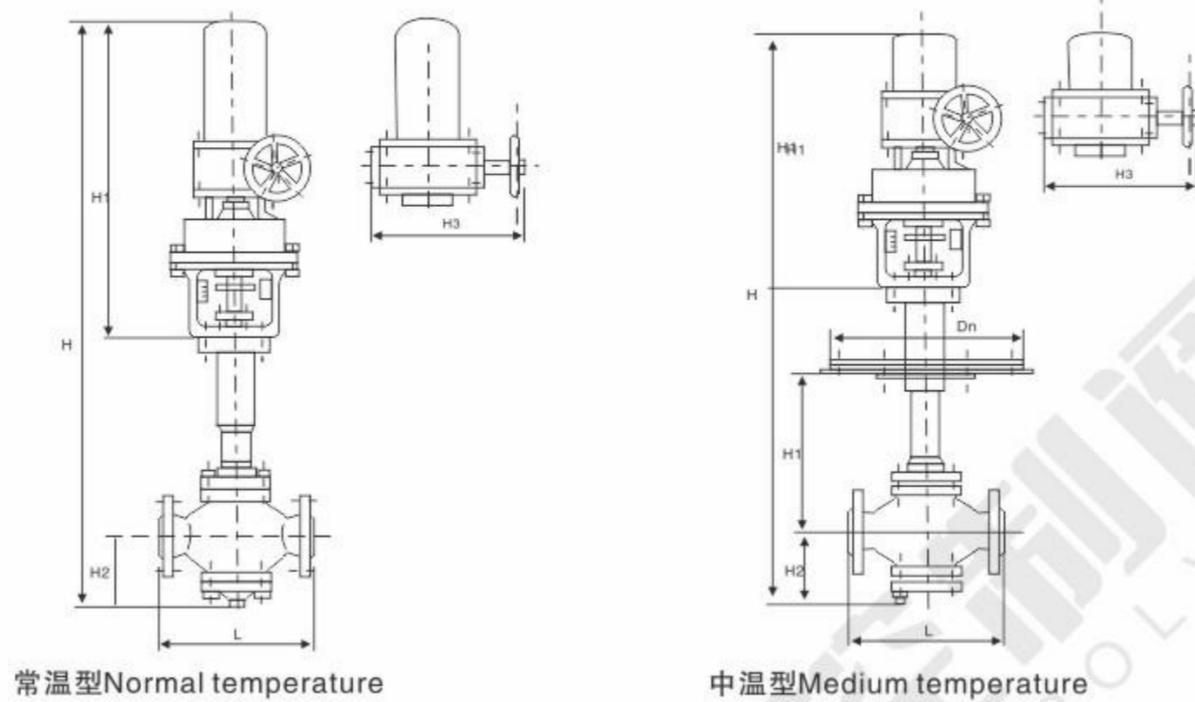
外形尺寸External dimensions

1、常温型气动活塞切断阀Normal temperature shut-off valve pneumatic piston

公称通径 DN(mm)	L	H2	带手轮With hand wheel				不带手轮Without hand wheel		
			H	H1	H3	重量Weight (kg)	H	H1	重量Weight (kg)
20	180	53	662	447	222	39	574	359	26
25	190	111	732	447	222	46	644	359	33
32	210	117	744	447	222	48	656	359	35
40	230	131	885	570	280	85	778	463	61
50	255	146	915	570	280	89	808	463	65
65	285	181	1131	706	389	135	969	542	97
80	310	190	1147	706	389	143	983	542	99
100	355	194	1155	706	389	163	991	542	109
125	425	256	1588	1022	389	305	1305	739	218
150	460	266	1608	1022	389	331	1325	739	244
200	560	289	1659	1022	389	445	1376	739	358

2、中温型气动活塞切断阀Medium temperature shut-off valve pneumatic piston

公称通径 DN(mm)	L	H2	带手轮With hand wheel				不带手轮Without hand wheel		
			H	H1	H3	重量Weight (kg)	H	H1	重量Weight (kg)
20	180	53	813	447	222	43	725	359	30
25	190	111	883	447	222	52	795	359	39
32	210	117	895	447	222	54	807	359	41
40	230	131	1036	570	280	90	929	463	66
50	255	146	1066	570	280	95	969	463	71
65	285	181	1296	706	389	145	1132	542	101
80	310	190	1310	706	389	155	1146	542	111
100	355	194	1318	706	389	172	1154	542	128
125	425	256	1803	1022	389	327	1520	739	240
150	460	266	1823	1022	389	356	1540	739	269
200	560	289	1874	1022	389	464	1591	739	377



常温型Normal temperature

中温型Medium temperature

外形尺寸External dimensions

3、高温型气动活塞切断阀High temperature shut-off valve pneumatic piston

公称口径 DN(mm)	L	H2	带手轮With hand wheel			不带手轮Without hand wheel	
			H	H1	H3	H	H1
20	180	53	1018	447	222	930	359
25	190	111	1088	447	222	1000	359
32	210	117	1100	447	222	1012	359
40	230	131	1242	570	280	1135	463
50	255	146	1272	570	280	1165	463
65	285	181	1550	649	280	1443	542
80	310	190	1558	649	280	1451	542
100	355	194	1566	649	280	1459	542
125	425	256	2028	872	378	1895	739
150	460	266	2048	872	378	1915	739
200	560	289	2094	872	378	1961	739

4、低温型气动活塞切断阀Low temperature shut-off valve pneumatic piston

公称口径 DN (mm)	L	H2	H3	-100℃				-100℃				-100℃			
				带手轮 With hand wheel		不带手轮 Without hand wheel		带手轮 With hand wheel		不带手轮 Without hand wheel		带手轮 With hand wheel		不带手轮 Without hand wheel	
				H1	H	H1	H	H1	H	H1	H	H1	H	H1	H
20	180	53	222	500	1127	500	1039	700	1327	700	1239	900	1527	900	1439
25	190	111	222	500	1181	500	1093	700	1381	700	1293	900	1581	900	1491
32	210	117	222	500	1193	500	1105	700	1393	700	1305	900	1593	900	1505
40	230	131	280	500	1310	500	1203	700	1510	700	1403	900	1710	900	1603
50	255	146	280	500	1335	500	1228	700	1535	700	1428	900	1735	900	1628
65	285	181	280	600	1554	600	1447	800	1754	800	1647	1000	1954	1000	1847
80	310	190	280	600	1565	600	1458	800	1765	800	1658	1000	1965	1000	1858
100	355	194	280	600	1569	600	1462	800	1769	800	1662	1000	1769	1000	1862
125	425	256	378	700	1942	700	1809	900	2142	900	2009	1100	2342	1100	2209
150	460	266	378	700	1952	700	1819	900	2152	900	2019	1100	2352	1100	2219
200	560	289	378	700	1982	700	1849	900	2182	900	2049	1100	2382	1100	2249

性能指标 Performance indicators

项目 project		指标值 Index value	项目 project		指标值 Index value		
基本误差 Basic error (%)	不带定位器 Without locator	±6	始终点偏差 Always point deviation (%)	气关 Close air	不带定位器 Without locator	始点 Start	±6
	带定位器 Brings the locator	±1.5			带定位器 Brings the locator	终点 End	±2.5
回差 Backlash (%)	不带定位器 Without locator	5		气开 Open air	不带定位器 Without locator	始点 Start	±1.5
	带定位器 Brings the locator	1.5			带定位器 Brings the locator	终点 End	±1.5
死区 Dead area (%)	不带定位器 Without locator	4	气开 Open air	不带定位器 Without locator	始点 Start	±2.5	
	带定位器 Brings the locator	0.6		带定位器 Brings the locator	终点 End	±6	
额定行程偏差 Rated stroke deviation (%)		±2.5	允许泄漏量 Allow leakage (l/h)			1 × 10 ⁻⁴ × 阀额定容量 Valve rated capacity	

注：用户在选用时一般应带定位器。
Note: The selection should be taken when the user with locator.

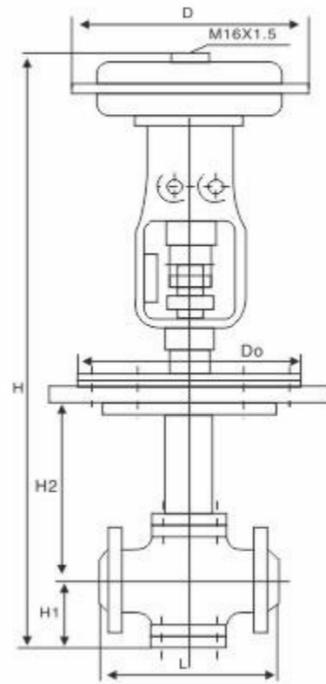
允许压差 Permission differential pressure

气源压力 Air pressure (MPa)		0.14	0.24	0.14
弹簧范围 Spring range (KPa)		20~100	40~200	60~100
公称口径 DN (mm)	阀座直径 Seat diameter (mm)	允许压差 Permission differential pressure (MPa)		
G3/4"	3	6.4	/	/
	4	6.4	/	/
	5	6.4	/	/
	6	6.4	/	/
	7	6.4	/	/
	8	6.4	/	/
20	10	5.4	/	/
	12	3.7	6.4	/
	15	2.4	4.8	6.4
	20	1.35	2.7	4.05
25	26	0.8	1.6	2.4
32	32	0.55	1.1	1.65
40	40	0.5	1.0	1.5
50	50	0.3	0.6	0.9
65	65	0.3	0.6	0.9
80	80	0.2	0.4	0.6
100	100	0.12	0.24	0.36
125	125	0.12	0.24	0.36
150	150	0.08	0.16	0.24
200	200	0.05	0.10	0.15

注：阀杆在介质流出端 P2=0 状态下，ΔP 最大允许值。
Note: The stem end of the media out of state, P2 = 0, ΔP maximum allowed value.

可配附件 Can be equipped with accessories

定位器、手轮、空气过滤减压器等。
Locator, hand wheel, air filter pressure reducer and so on.



外形尺寸External dimensions

公称 口径 DN (mm)	D	L			H						H1	D0	H2		
		PN(MPa)			-250℃		-200℃		-100℃				-250℃	-200℃	-100℃
		0.6	4.0	6.4	气关	气开	气关	气开	气关	气开					
					Close air	Open air	Close air	Open air	Close air	Open air					
G3/4"	200	-	-	75	1375	1415	1175	1215	975	1015	30	135	900	700	500
20	200	180	180	190	1476	1511	1276	1311	1076	1111	50	275	900	700	500
25	280	190	190	200	1516	1516	1316	1316	1116	1116	97	290	900	700	500
32	280	205	210	210	1528	1528	1328	1328	1128	1128	103	310	900	700	500
40	325	225	235	235	1585	1585	1385	1385	1185	1185	117	340	900	700	500
50	325	245	255	265	1615	1615	1415	1415	1215	1215	132	370	900	700	500
65	410	275	285	295	1928	1928	1728	1728	1528	1528	161	410	1000	800	600
80	410	300	310	320	1942	1942	1742	1742	1542	1542	171	440	1000	800	600
100	410	350	355	370	1940	1940	1740	1740	1540	1540	175	500	1000	800	600
125	495	410	425	440	2191	2191	1991	1991	1791	1791	225	590	1100	900	700
150	495	440	460	475	2201	2201	2001	2001	1801	1801	235	640	1100	900	700
200	495	530	560	570	2231	2231	2031	2031	1831	1831	270	760	1100	900	700

订货须知Order Information

订货时请注明：1.产品型号；2.公称口径、阀座直径；3.信号压力、弹簧范围；4.流量特性；5.阀前后压力；6.流体介质种类；

7.介质工作温度范围；8.阀体、阀芯、阀座材料；9.是否带手轮机构、减压阀、定位器并说明型号；10.是否有其它特殊要求。

When ordering please specify: 1. Model; 2. Nominal diameter, valve seat diameter; 3. Signal pressure, the spring range; 4. Flow characteristics; 5. Valve pressure before and after; 6. Fluid media types; 7. Medium operating temperature range; 8. Body, Valve core valve seat materials; 9. Whether the body with hand wheel, valve, Locator and state model; 10. Whether or have other special requests.

概述Outlines

ZZYP(N、M)型自力式压力调节阀是不需要任何外加能源,利用被调介质自身能量而实现自动调节的执行器产品。该产品最大特点:能在无电、无气的场所工作,同时又节约了能源,压力设定值在运行中可随意调整。采用快开流量特征,动作灵敏、密封性能好,因而它广泛应用于石油、化工、电力、冶金、食品、轻纺、机构制造与居民建筑楼群等各种工业设备中各种气体、液体及蒸汽介质减压、稳压(用于阀后调节),或泄压、持压(用于阀前调节)的自动控制。附设冷凝器可在 $\leq 350^{\circ}\text{C}$ 温度下使用。

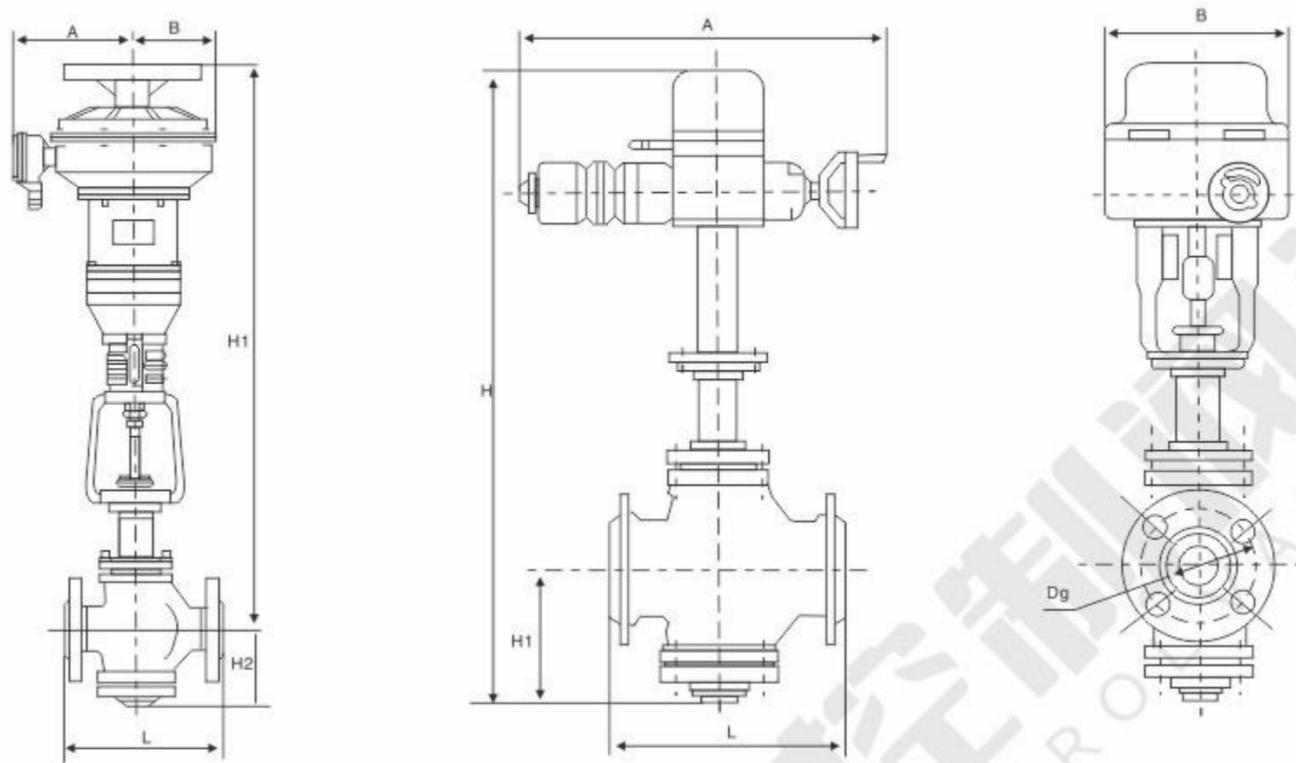
ZZYP (N, M) the self-reliant -like pressure regulator valve does not need any sur- energy, uses is moved medium own energy to realize the automatic control actuator product. This product most major characteristic: Can in radio, the airless place work, simultaneously also saved the energy, the pressure setting value has been possible to adjust at will in the movement. Uses opens the current capacity characteristic quickly, the movement is keen, the sealing property is good, thus it widely applies in the petroleum, the chemical industry, the electric power, the metallurgy, food, the light industry, the organization manufacture constructs the buildings cluster after the resident and so on to plant in the industrial equipment each kind of gas, the liquid and the steam medium reduced pressure, the constant voltage (use in valve adjustment) respectively, before or the decompression, holds presses (uses in valve, adjustment) the automatic control. Sets up as an attachment the condenser to be possible to use under $\leq 350^{\circ}\text{C}$ the temperature.

主要技术参数和性能指标Main technical parameters and performance indicators

公称通径DN(mm)	20	25	32	40	50	65	80	100	125	150	200	250	300
额定流量系数 Rated flow coefficient (Kv)	7	11	20	30	48	75	120	190	300	480	760	1100	1750
额定行程 Rated travel (mm)	8		10		14	20		25	40		50	60	70
公称压力 Nominal pressure (MPa)	1.6、4.0、6.4												
压力调节范围 Pressure adjustment range (KPa)	15~50、40~80、60~100、80~140、120~180、160~220、200~260、240~300、280~350 330~400、380~450、430~500、480~560、540~620、600~700、680~800、780~900												
流量特性 Flow characteristics	快开Opens quickly												
调节精度 Adjustment precision (%)	± 5												
使用介质 Application medium	热水、蒸汽、各种气体及低粘度介质 Hot water, steam, gases and low viscosity media												
使用温度 Application temperature ($^{\circ}\text{C}$)	≤ 80 、 ≤ 350												
允许泄漏量 Allow leakage	硬密封 Hard seal (1/h)	单座: $\leq 10^{-4}$ 阀额定容量(IV级); 双座、套筒: $\leq 5 \times 10^{-3}$ 阀额定容量(II级) Single seat: $\leq 10^{-4}$ valve rated capacity (IV class); seat, sleeve: $\leq 5 \times 10^{-3}$ valve rated capacity (II grade)											
	软密封 Soft seal (ml/h)	0.15	0.30	0.45	0.60	0.90	1.7	4.0	6.75	11.10	11.60		
减压比 Decompression ratio	最大Max	10											
	最小Min	1.25											

主要零件材料Main components material

零件名称 Part name	材料Material
阀体Body	ZG230-450、ZG1Cr18Ni9Ti、ZGCr18Ni12Mo2Ti
阀芯Core	1Cr18Ni9Ti、Cr18Ni12Mo2Ti
阀座Seat	1Cr18Ni9Ti、Cr18Ni12Mo2Ti
阀杆Stem	1Cr18Ni9Ti、Cr18Ni12Mo2Ti
橡胶膜片Rubber diaphragm	丁晴、乙炳、氟、耐油橡胶NBR, B Ping, fluorine, oil resistant rubber
膜盖Membrane covered	Q235钢、涂四氟乙烯Q235 steel, PTFE coated
填料Packing	聚四氟乙烯、柔性石墨PTFE, flexible graphite



外形尺寸External dimensions

1、电动单座、双座调节阀Electrically operated single seat, double seat regulating valve

公称通径 DN(mm)	A	B	L			H				H1	
			PN1.6	PN4.0	PN6.4	ZAZP		ZAZN		ZAZP	ZAZN
						普通型 Ordinary	热片型 Hot piece	普通型 Ordinary	热片型 Hot piece		
20	490	230	180	185	190	495	655	/	/	65	/
25			185	190	205	767	928	787	937	112	117
32			200	210	220	793	940	793	943	118	120
40			220	230	240	812	963	832	982	129	139
50			250	255	265	842	993	842	992	144	144
65	520		275	285	295	967	1127	987	1147	178	188
80			305	310	325	990	1142	1017	1177	191	208
100			350	355	370	999	1151	1041	1207	195	220
125			410	425	440	1092	1307	1142	1357	245	270
150			450	460	475	1112	1327	1162	1377	255	280
200		550	560	570	1187	1402	1244	1459	290	320	

2、电动套筒调节阀Electrically operated sleeve regulating valve

公称通径 DN(mm)	A	B	L		H1		H2	重量Weight (kg)	
			PN1.6	PN6.4	普通型 Ordinary	热片型 Hot piece		PN1.6	PN6.4
25	208.5	132	184	230	834.5	1304.5	75	/	50.3
40			222	260	871.5	1421.5	95	/	/
50			254	300	874.5	1424.5	98	/	75.5
80	208.5 252	132 177	295	380	1102.5	1807.5	130	/	/
100			350	430	1138.5	1843.5	156	/	/
150			480	550	1437.5	2298.5	208	/	/
200			600	650	1579.5	2537.5	350	/	/

订货须知Order Information

订货时请注明：1.产品型号；2.公称压力；3.公称通径；4.输入信号；5.额定流量系数、流量特性；

6.阀作用方式；7.阀体材料；8.特殊要求及附件。

When ordering please specify: 1. Model; 2. PN; 3. Nominal diameter; 4. Input signal; 5. Rated flow coefficient, flow characteristics; 6. Valve mode of action; 7. Body material; 8. Special requirements and accessories.

概述Outline

ZAZQ(X)型电动三通合流(分流)调节阀有合流和分流二种形式,由DKZ电动执行机构和三通合流或三通分流调节阀组成,以电源为动力,接受统一的标准信号0~10mA DC或4~20mA DC驱使阀时开度与此操作信号相对应。合流阀的作用是将两种流体汇合成第三种流体,分流阀是将一种流体分成两路流体。分流合流阀只能对应选用,但当DN≤80时,合流阀可用于分流场合。可替代两台单、双座调节阀,节省投资,占据空间小。三通调节阀通常用于热交换器的两种介质调节及简单的配比调节。

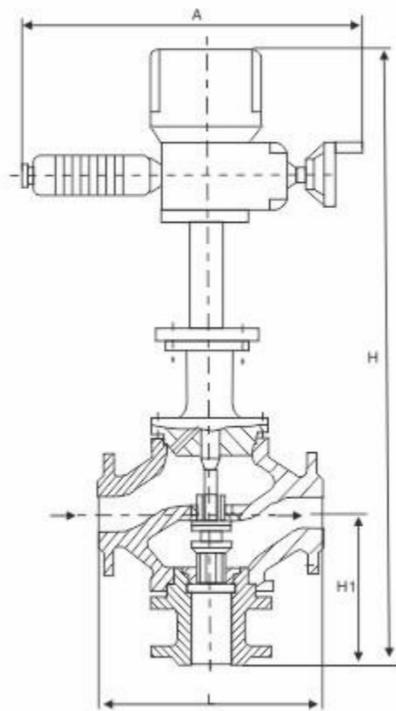
ZAZQ(X)-type electric three merge (Stream) confluence and diversion valve has two forms, the DKZ confluence of electric actuators and three-component or three shunt valve to power as a driving force, under unified standard signal 0 ~ 10mA DC or 4 ~ 20mA DC fashion driven valve opening signal corresponding to this operation. The role of valve is the confluence of two merged into a third fluid flow, a fluid shunt valve is divided into two-way flow. Confluence of the corresponding shunt valve can choose, but DN ≤ 80, the confluence valve can be used to divert occasions. Can replace two single, two-seat control valve, reduce investment, small footprint. Three-way valves are usually used in heat exchangers and simple adjustment of two media ratio adjustment.

主要技术参数Main technical parameters

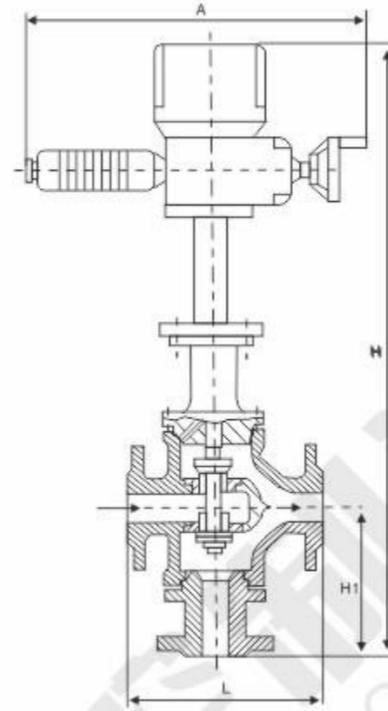
公称通径 DN (mm)	合流 Confluence	25	32	40	50	65	80	100	125	150	200	250	300
	分流 Stream						80	100	125	150	200	250	300
额定流量系数 Rated flow coefficient (Kv)	合流 Confluence	8.5	13	21	34	52	85	135	210	340	535	800	1260
	分流 Stream						85	135	210	340	535	800	1260
公称压力PN (MPa)		1.6、4.0、6.4											
流量特性Flow characteristics		直线Straight line											
执行机构 Executive body	Ⅱ型	DKZ-310		DKZ-310		DKZ-410		DKZ-510		DKZ-510		DKZ-510	
	Ⅲ型	DKZ-510C		DKZ-510C		DKZ-410C		DKZ-510C		DKZ-510C		DKZ-510C	
	出轴推力(N)	4000		4000		6400		16000		16000		16000	
	行程 (mm)	16		25		40		60		60		100	
允许压差 Permissible pressure (MPa)		1.6	1.0	2.5	1.6	1.5	1.0	0.65	0.4	0.3	0.16	0.26	0.18
上阀盖开型式 On the valve cover opens the pattern		普通式(常温型),热片式(中温型) General style(Normal temperature), Hot chip (Medium temperature)											
介质温度 Medium temperature (°C)		-20~200°C, -40~250°C (常温型Normal temperature), -40~450°C (中温型Medium temperature)											
可调比 Adjustable ratio		R 30: 1											
法兰标准 Flange Standard		铸铁按GB/T 17241.6,铸钢按GB/T 9113.1 Cast iron according to GB/T 17241.6, cast steel according to GB/T 9113.1											
输入阻抗 Input impedance		Ⅱ型: 200Ω, Ⅲ型: 250Ω Type II: 200Ω, III type: 250Ω											
出厂状态 Factory state		电开(对上阀座而言),如需电关,订货时应注明 Electricity opens (speaking on valve seat), if needs the electricity pass, when ordering should indicate											

性能指标Performance indicators

项目project	指标值Index value	
基本误差Basic error (%)	≤ ±3.5	
回差Hysteresis (%)	≤2.5	
死区Dead area (%)	≤3.0	
始终点偏差 Always point deviation (%)	电开、电关 Electricity out, power off	±2.5
额定行程偏差Rated stroke deviation (%)		2.5
允许泄漏量Allow leakage (l/h)		$1 \times 10^{-3} \times$ 阀额定容量Valve rated capacity



三通合流调节阀 Three confluence regulating valve



三通分流调节阀 Three shunt valve

外形尺寸 External dimensions

公称 口径 DN (mm)	A		L			H				H1					
	分流 Dimensions	合流 Confluence	PN1.6	PN4.0	PN6.4	分流 Dimensions		合流 Confluence		分流 Dimensions			合流 Confluence		
						普通型 Ordinary	热片型 Hot piece	普通型 Ordinary	热片型 Hot piece	PN1.6	PN4.0	PN6.4	PN1.6	PN4.0	PN6.4
25	520	490	185	190	200	/	/	715	865	/	/	/	140	150	160
32	520	490	200	210	210	/	/	721	871	/	/	/	150	160	170
40	520	490	220	230	235	/	/	733	883	/	/	/	160	170	180
50	520	490	250	255	265	/	/	748	898	/	/	/	180	190	200
65	520	520	275	285	295	/	/	839	999	/	/	/	200	220	220
80	520	520	300	310	320	872	1032	842	1002	225	250	265	210	230	240
100	520	520	350	355	370	896	1056	846	1006	245	275	285	220	250	260
125	520	520	410	425	440	947	1162	897	1112	285	320	325	260	300	300
150	520	520	450	460	475	947	1162	897	1112	305	340	340	280	320	320
200	520	520	550	560	570	965	1180	905	1120	350	400	410	320	380	380
250	520	520	670	740	750	/	/	/	/	/	/	/	/	/	/
300	520	520	770	805	820	/	/	/	/	/	/	/	/	/	/

订货须知 Order Information

订货时请注明：1.产品型号；2.公称口径；3.公称压力；4.使用介质；5.输入信号；6.流量系数；7.阀体材质；8.附件。

When ordering please specify: 1. Model; 2. Nominal diameter; 3. PN; 4. Use of media; 5. Input signal; 6. Discharge coefficient; 7. Body material; 8. Annex.

概述Outlines

ZDLP型电子式电动单座调节阀是由3610L系列电子式电动执行机构和单座调节机构组成。电动执行机构内有伺服系统，无须另配伺服放大器，有输入讯号及电源即可控制运转，连线简单，调节机构阀芯采用顶导向，适用于对泄漏量要求严格，阀前后压差低及有一定粘度和含有纤维介质的场合。

The ZDLP electronic formula electrically operated single-seat regulating valve is composed of the 3610L series electronic formula electric operator and the single-seat control element. In the electric operator has the server, does not need to match the servo amplifier in addition, has the input signal and the power source then controls the revolution, the segment is simple, the control element valve core uses goes against the guidance, is suitable in is strict to the spillage request, around the valve the differential pressure lowers and has certain viscosity and includes the textile fiber medium situation.

主要技术参数Main technical parameters

公称口径DN (mm)	G3/4"						20				25	32	40	50	65	80	100	125	150	200
阀座直径 Seat diameter (mm)	3	4	5	6	7	8	10	12	15	20	26	32	40	50	66	80	100	125	150	200
额定流量系数 Rated flow coefficient (Kv)	0.08	0.12	0.20	0.32	0.5	0.8	1.2	2.0	3.2	5.0	8.0	12	20	32	50	80	120	200	280	450
公称压力PN (MPa)	1.6、4.0、6.4 (常温 Normal temperature) , 4.0、6.4 (中温 Medium temperature) , 0.6、4.0、6.4 (低温 Low temperature)																			
行程 Travel (mm)	10						16				25		40				60			
动作速度 Movement Speed (mm/s)	4.2						2.1				3.5		1.7				3.4			
流量特性 Flow characteristics	直线 Straight line						直线，等百分比 Straight line, and so on percentages													
介质温度 Medium temperature (℃)	20 ~ 200℃, -40 ~ 250℃ (常温 Normal temperature) , -40 ~ 450℃ (中温 Medium temperature) , -250 ~ 60℃ (低温 Low temperature)																			
法兰尺寸 Flange size	铸铁法兰按JB/T78-94, 铸钢法兰按JB/T79-94 Cast iron flange by JB/T78-94, cast steel flange by JB/T79-94																			
阀体材质 Body Material	公称压力 PN (MPa)	0.6	低温 Low temperature : -250 ~ 60℃: ZG1Cr18Ni9Ti																	
		1.6	常温 Normal temperature -20 ~ 200℃: HT200																	
		4.0	常温 Normal temperature -40 ~ 200℃: ZG230-450, ZG1Cr18Ni9Ti																	
			中温 Medium temperature -40 ~ 450℃: ZG230-450, ZG1Cr18Ni9Ti																	
			低温 Low temperature -250 ~ -60℃: ZG1Cr18Ni9Ti																	
		6.4	常温 Normal temperature -40 ~ 200℃: ZG230-450, ZG1Cr18Ni9Ti																	
			中温 Medium temperature -40 ~ 450℃: ZG230-450, ZG1Cr18Ni9Ti																	
			低温 Low temperature -250 ~ -60℃: ZG1Cr18Ni9Ti																	
阀芯材质 Core material	1Cr18Ni9																			
上阀盖型式 On valve cover pattern	普通式 (常温) , 热片式 (中温) , 长颈式 (低温) Ordinary type (Normal temperature), heat-piece (Medium temperature), long-necked type (low temperature)																			
配电动执行机构型号 With Electric actuator model	361LSA-08										361LSA-20	361LSB-30	361LSB-50	361LSC-65						
	361LXA-08										361LXA-20	361LXB-30	361LXB-50							

注: 可为用户提供ANSI、JPI、JIS等国外法兰标准的产品, 其法兰距按用户需要确定。

Note: to provide users with ANSI, JPI, JIS and other standards for products of foreign flange, the flange distance determined by user needs.

执行机构主要技术参数Implementing agency major technique parameter

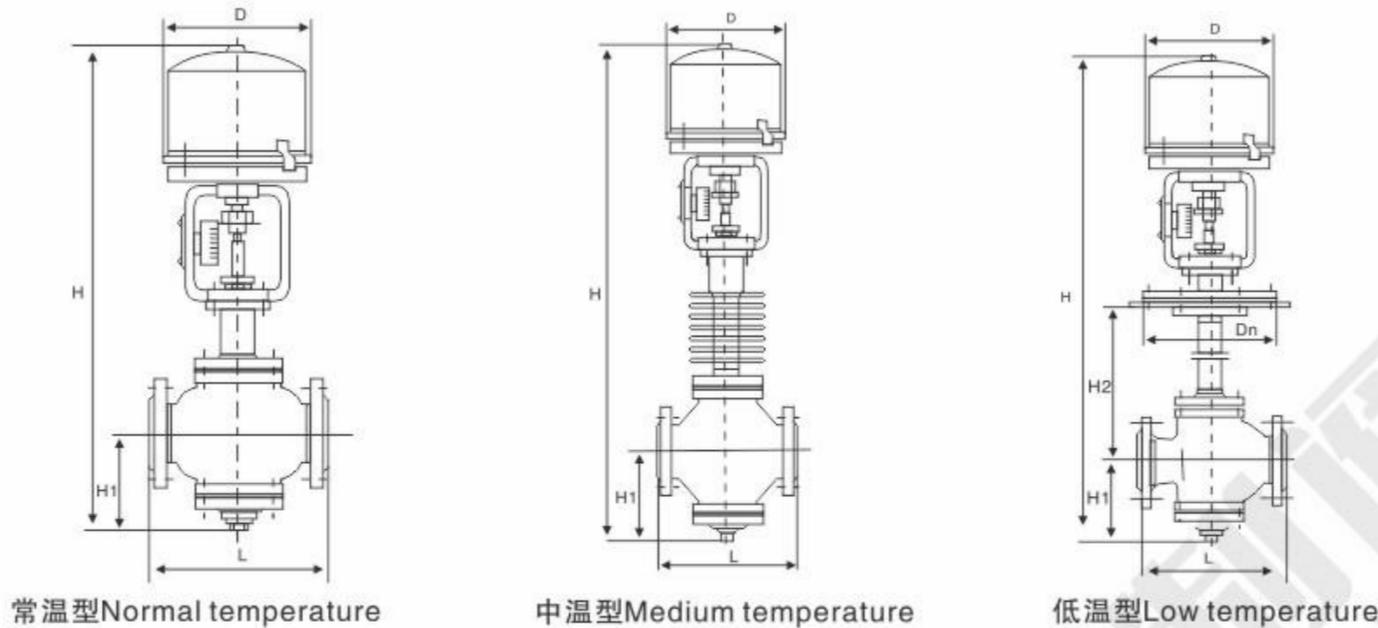
型号Model	额定输出Rated output (N)	速度Speed (mm/s)	技术参数Technical parameters
361LSA-08 361LXA-08	800 800	4.2 4.2	电源: AC220V 50Hz 输入信号: DC4-20mA DC1-5V (信号线用屏蔽线) 输出开度信号: DC4-20mA 上盖防护等级: 相当IP55 隔爆标志: Exd II BT4 power supply: AC220V 50Hz Input signal: DC4-20mA DC1-5V (Signal line with shielded cable) Opening output signal: DC4-20Ma Cover protection rating: IP55 Quite
361LSA-20 361LXA-20	2000 2000	2.1 2.1	
361LSB-30 361LXB-30	3000 3000	3.5 3.5	
361LSB-50 361LXB-50	5000 5000	1.7 1.7	
361LSC-65	6500	2.8	

性能指标Performance index

项目Project	指标值Target value	
基本误差Basic error (%)	±2.5	
回差Backlash (%)	2.5	
死区Dead area (%)	1.0	
始终点偏差 Always point deviation (%)	电开 Electricity out 始点Start	±2.5
	电开 Electricity out 终点End	±2.5
	电关 Power off 始点Start	±2.5
	电关 Power off 终点End	±2.5
额定行程偏差Rated stroke deviation (%)	2.5	
允许泄漏量Allow leakage (l/h)	10^{-4} × 阀的额定容量Valve rated capacity	

允许压差Permissible pressure

公称通径 DN(mm)	G3/4"							20		25	32	40	50	65	80	100	125	150	200	
阀座直径 Seat diameter (mm)	3	4	5	6	7	8	10	12	15	20	26	32	40	50	65	80	100	125	150	200
允许压差 Permissible pressure (MPa)	≤公称压力 PN							5.5	3.5	2.0	3.0	2.0	1.8	1.05	1.16	0.67	0.47	0.39	0.26	0.16



常、中温单座阀外形尺寸 Normal, medium temperature single seat valve external dimensions

公称口径 DN(mm)	L			H1	H		D	重量 Weight (kg)		
	PN(MPa)				常温 Normal temperature	中温 Medium temperature		PN1.6MPa	PN4.0, 6.4MPa	
	1.6	4.0	6.4						常温 Normal temperature	中温 Medium temperature
G3/4"	/	75	75	30	497	534	225	/	12	14
20	/	180	190	50	637	747	225	/	25	28
25	185	190	200	115	671	813	225	24	28	31
32	200	210	210	120	682	833	225	26	29	32
40	220	230	235	130	739	890	225	36	45	49
50	250	255	265	145	769	920	225	39	49	53
65	275	285	295	180	971	1134	225	57	76	84
80	300	310	320	195	991	1154	225	72	95	105
100	350	355	370	200	1000	1163	310	85	109	120
125	410	425	440	245	1287	1499	310	150	175	190
150	450	460	475	255	1307	1519	310	187	231	251
200	550	560	570	295	1382	1594	310	242	365	395

低温单座阀外形尺寸 Low temperature single seat valve external dimensions

公称口径 DN(mm)	D	DN	H1	-100℃		-200℃		-250℃		重量 Weight (kg)
				H2	H	H2	H	H2	H	
G3/4"	225	135	30	500	1032	700	1232	900	1432	22
20	225	250(275)	50	500	1054.5	700	1254.5	900	1454.5	36
25	225	270(290)	97	500	1102	700	1302	900	1502	40
32	225	300(310)	103	500	1114	700	1314	900	1514	43
40	225	310(340)	117	600	1170	800	1370	1000	1570	61
50	225	340(370)	132	600	1200	800	1400	1000	1600	66
65	225	380(410)	161	600	1443	800	1643	1000	1843	98
80	225	410(500)	171	600	1457	800	1657	1000	1857	110
100	225	470(590)	175	600	1455	800	1655	1000	1855	140
125	310	550(640)	230	700	1792	900	1992	1100	2192	225
150	310	600(760)	240	700	1802	900	2002	1100	2202	291
200	310	720(760)	275	700	1832	900	2032	1100	2232	461

注：括号内数字为PN64尺寸 Note: Figures in brackets for the PN64 dimensions

订货须知 Order Information

- 订货时请注明：1.产品型号；2.公称口径；3.DNG3/4" 和DN20mm两种规格需注明阀座直径或者注明额定流量系数KV；
4.流量特性；5.阀体材质；6.低温阀需注明使用温度或注明接管长度；7.阀前后压力；8.介质种类和温度范围；
9.电动执行器内是否带空间加热器；10.电动执行器内是否带过载保护装置；11.是否有其它特殊要求。

When ordering please indicate: 1. product model; 2. nominal size; 3.DNG3/4" and the DN20mm two kind of specifications must indicate the valve seat diameter or indication rated flow coefficient KV; 4. Discharge characteristic; 5. Valve body material quality; 6. The low temperature valve must indicate the application temperature or indicate the control length; 7. Around valve pressure; 8. medium type and temperature range; 9. Whether in the electrically operated actuator to bring the spatial heater; 10. whether in the electrically operated actuator to have the over-load protection; 11. Whether or have other special requests.

概述Outlines

ZDLN型电子式电动双座调节阀是由36 10L型电子式电动执行机构和双座调节组成，电动执行机构内有伺服系统，无须另配伺服放大器，有输入讯号及电源即可控制运转，连线简单。调节机构具有不平衡力很小，允许压差大，流通能力大等特点，适用于泄漏量要求不严格的场合。

ZDLN electronic formula electrically operated double seat regulating valve is composed of 36 10L electronic formula electric operator and the double seat adjustment, in the electric operator has the server, does not need to match the servo amplifier in addition, has the input signal and the power source then controls the revolution, the segment is simple. The control element has the balance force very not to be small, the permission differential pressure is big, flow capacity big and so on characteristics, is suitable in the spillage request not strict situation.

调节机构主要技术参数Main technical parameters adjusting mechanism

公称口径DN (mm)	25	32	40	50	65	80	100	125	150	200	250	300
额定流量系数 Rated flow coefficient (KV)	10	16	25	40	63	100	160	250	400	630	1000	1600
公称压力PN (MPa)	1.6、4.0、6.4 (常温Normal temperature) , 4.0、6.4 (中温Medium temperature) , 0.6、4.0、6.4 (低温Low temperature)											
行程 Travel (mm)	16	25		40			60			100		
动作速度 Movement Speed (mm/S)	2.1	3.5		1.7			3.4			2.0		
配电动执行机构型号 With electric actuator model	361LSA-20 361LXA-20	361LSB-20 361LXB-20		361LSB-50 361LXB-50			361LSC-65			361LSC-99		
流量特性 Flow characteristics	直线，等百分比Straight line, and so on percentages											
介质温度 Medium temperature (°C)	-20 ~ 200°C、-40 ~ 250°C (常温Normal temperature) , -40 ~ 450°C (中温Medium temperature) , -250 ~ -60°C (低温Low temperature)											
法兰尺寸 Flange size	铸铁法兰按JB/T78-94,铸钢法兰按JB/T79-94 Cast iron flange by JB/T78-94, cast steel flange by JB/T79-94											
阀体材质 Body material	公称压力 PN (MPa)	0.6	低温Low temperature-250 ~ 60°C: ZG1Cr18Ni9Ti									
		0.6	常温Normal temperature-20 ~ 200°C: HT200									
	4.0	常温Normal temperature-40 ~ 200°C:ZG230-450, ZG1Cr18Ni9Ti										
		中温Medium temperature-40 ~ 450°C:ZG230-450, ZG1Cr18Ni9Ti										
	6.4	低温Low temperature-250 ~ -60°C: ZG1Cr18Ni9Ti										
		常温Normal temperature-40 ~ 200°C:ZG230-450, ZG1Cr18Ni9Ti										
		中温Medium temperature-40 ~ 450°C:ZG230-450, ZG1Cr18Ni9Ti										
		低温Low temperature-250 ~ -60°C: ZG1Cr18Ni9Ti										

执行机构主要技术参数 Implementing agency major technique parameter

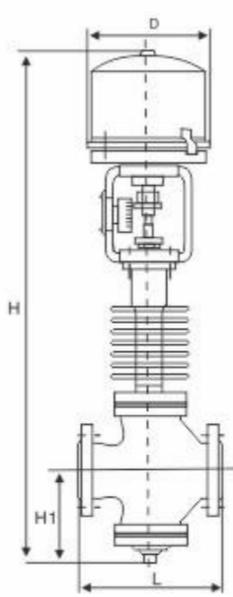
型号 Model	额定输出力 Rated output power (N)	速度 Speed (mm/s)	技术参数 Technical parameters
361LSA-20 361LXA-20	2000 2000	2.1 2.1	电源: AC220V 50Hz 输入信号: DC4-20mA DC1-5V (信号线用屏蔽线) 输出开度信号: DC4-20mA 上盖防护等级: 相当IP55 防爆标志: Exd II BT4 power supply: AC220V 50Hz Input signal: DC4-20mA DC1-5V (Signal line with shielded cable) Opening output signal: DC4-20Ma Cover protection rating: IP55 Quite Explosion-proof mark: Exd II Bt4
361LSB-30 361LXB-30	3000 3000	3.5 3.5	
361LSB-50 361LXB-50	5000 5000	1.7 1.7	
361LSC-65	6500	2.8	
361LSC-99	10000	2.0	

性能指标 Performance index

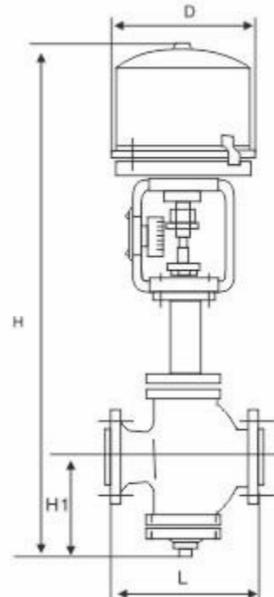
项目 Project		指标值 Target value	
基本误差 Basic error (%)		±2.5	
回差 Backlash (%)		2.5	
死区 Dead area (%)		1.0	
始终点偏差 Always point deviation (%)	电开 Electricity out	始点 Start	±2.5
		终点 End	±2.5
	电关 Power off	始点 Start	±2.5
		终点 End	±2.5
额定行程偏差 Rated stroke deviation (%)		2.5	
允许泄漏量 Allow leakage (l/h)		$1 \times 10^{-3} \times$ 阀的额定容量 Valve rated capacity	

允许压差 Permissible pressure

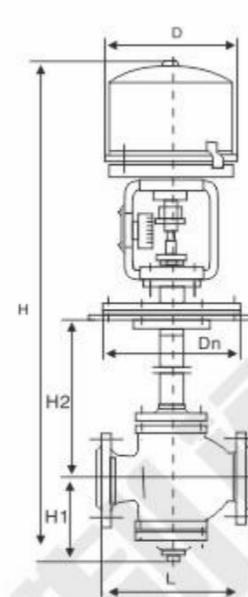
公称通径 DN(mm)	25	32	40	50	65	80	100	125	150	200	250	300
允许压差 Permissible pressure(Mpa)	< 公称压力 PN										4.0	3.4



常温型Normal temperature



中温型Medium temperature



低温型Low temperature

常、中温双座阀外形尺寸Normal, medium temperature double-seat valve external dimensions

公称口径 DN(mm)	L			H1	H			重量Weight (kg)		
	PN(MPa)				常温 Normal temperature	中温 Medium temperature	D	PN1.6MPa	PN4.0,6.4MPa	
	1.6	4.0	6.4						常温 Normal temperature	中温 Medium temperature
25	185	190	200	120	680	830	225	26	30	33
32	200	210	210	120	683	834	225	28	31	34
40	220	230	235	140	758	909	255	38	47	51
50	250	255	265	145	768	919	255	41	51	55
65	275	285	295	190	989	1152	255	61	80	88
80	300	310	320	210	1022	1185	255	77	100	110
100	350	355	370	220	1044	1207	255	96	120	131
125	410	425	440	270	1336	1548	310	160	195	244
150	450	460	475	280	1358	1570	310	205	249	269
200	500	560	570	320	1436	1648	310	275	402	435
250	640	660	670	450	1707	1947	310	485	605	665
300	720	735	750	465	1767	2008	310	635	755	825

低温双座阀外形尺寸Low temperature double-seat valve external dimensions

公称口径 DN(mm)	D	DN	H1	-100℃		-200℃		-250℃		重量 Weight (kg)
				H2	H	H2	H	H2	H	
25	225	270(290)	102	500	1112	700	1312	900	1512	41
32	225	300(310)	105	500	1118	700	1318	900	1518	44
40	225	310(340)	127	500	1190	700	1390	900	1590	62
50	225	340(370)	132	500	1200	700	1400	900	1600	67
65	225	380(410)	171	600	1463	800	1663	1000	1863	100
80	225	410(440)	188	600	1489	800	1689	1000	1889	112
100	225	470(500)	200	600	1505	800	1705	1000	1905	143
125	310	550(590)	250	700	1842	900	2042	1100	2242	229
150	310	600(640)	260	700	1852	900	2052	1100	2252	296
200	310	720(760)	300	700	1892	900	2092	1100	2292	471

注：括号内数字为PN64尺寸。 Note: Figures in brackets for the PN64 size.

订货须知Ordering notice

订货时请注明：1.产品型号；2.公称口径；3.额定流量系数KV；4.流量特性；5.阀体材质；6.低温阀需注明使用温度或注明接管长度；7.阀前后压力；8.介质种类和温度范围；9.电动执行器内是否带空间加热器。

When ordering please indicate: 1.Product model; 2.Nominal size; 3. Rated flow coefficient KV; 4.Discharge characteristic; 5. Valve chest material quality; 6. The low temperature valve must indicate the application temperature or indicate the control length; 7. Around valve pressure; 8. Medium type and temperature range; 9. Whether in the electrically operated actuator to bring the spatial heater.

概述Outlines

ZDLQ、ZDLX型电子式三通调节阀是由36 10L系列电子式电动执行机构与三通阀调节机构组成。电动执行机构内有伺服系统，无需另配伺服放大器，有输入讯号及电源即可控制运转，连线简单。调节机构有合流和分流两种作用方式，在某些场合可以替代两个二通阀和三个三通接管而得到广泛应用。常用于热交换器的两相调节及简单的配比调节。

ZDLQ, ZDLX type electronic three contacts regulating is 36 10L series electronic actuator with three contacts regulating agencies. Have servo system within electric actuating mechanism, need not match servo amplifier in addition, have the entering signal and power source to be OK to control a travel, be linked with the line simplicity. Buffer pool has confluence and defiance two kinds effects way, occasion can replace two valves and three direct links taking over but gets extensive use in some. Two-phase adjustment and simple being qualified for being often used for exchanger are compared to adjustment.

调节机构主要技术参数Main technical parameters regulating agencies.

公称口径 DN (mm)	合流 Confluence	25	32	40	50	65	80	100	125	150	200	250	300
	分流 Dimensions						80	100	125	150	200	250	300
阀座直径 Seat diameter (mm)		26	32	40	50	66	80	100	125	150	200	250	300
额定流量系数 Rated flow coefficient (KV)	合流 Confluence	8.5	13	21	34	53	85	135	210	340	535	800	1260
	分流 Dimensions	8.5	13	21	34	53	85	135	210	340	535	800	1260
公称压力PN (MPa)		4.0,6.4											
行程 Travel (mm)		16		25		40			60			100	
配执行机构型号 Matches the implementing agency model		361LSA-20 361LXA-20		361LSB-30 361LXB-30		361LSB-50 361LXB-50			361LSC-65			361LSC-99	
流量特性 Flow characteristics		直线Straight line											
可调比 Adjustable ratio		30:1											
法兰尺寸 Flange size		铸铁法兰GB/T17241.6,铸钢法兰按GB/T9113.1 Cast iron flange by GB/T17241.6, cast steel flange by GB/T9113.1											
阀体材质 Body material		WCB(ZG230-450), ZG1Cr18Ni9Ti											

执行机构主要技术参数Implementing agency major technique parameter

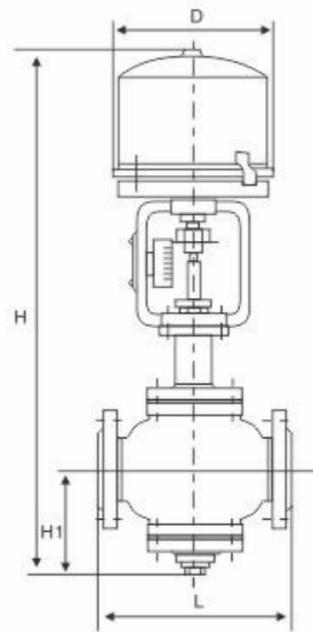
型号Model	额定输出力(N) Rated output power	速度 Speed (mm/s)	技术参数 Technical parameters
361LSA-08	800	4.2	电源: AC220V 50Hz 输入信号: DC4-20mA DC1-5V (信号线用屏蔽线) 输出开度信号: DC4-20mA 上盖防护等级: 相当IP55 防爆标志: Exd II BT4 power supply: AC220V 50Hz Input signal: DC4-20mA DC1-5V (Signal line with shielded cable) Opening output signal: DC4-20Ma Cover protection rating: IP55 Quite Explosion-proof mark: Exd II Bt4
361LSA-20	2000	2.1	
361LSB-30	3000	3.5	
361LSB-50	5000	1.7	
361LSC-65	6500	3.4	
361LSAC-99	10000	2.0	
361LXA-08	800	4.2	
361LXA-20	2000	2.1	
361LXB-30	3000	3.5	
361LXB-50	5000	1.7	

性能指标Performance index

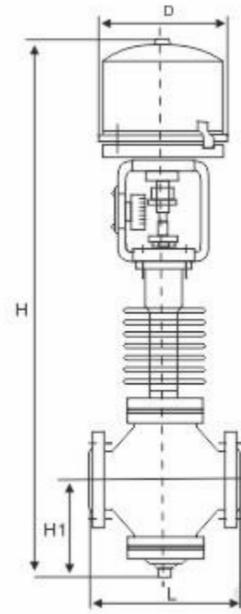
项目Project		指标值 Target value	
基本误差Basic error (%)		±2.5	
回差Backlash (%)		2.5	
死区Dead area (%)		1.0	
始终点偏差 Always point deviation (%)	电开 Electricity out	始点Start	±2.5
		终点End	±2.5
	电关 Power off	始点Start	±2.5
		终点End	±2.5
允许泄漏量 Allow leakage (l/h)		2.5	
额定行程偏差 Rated stroke deviation (%)		$1 \times 10^{-3} \times$ 阀的额定容量 Valve rated capacity	

允许压差Permissible pressure

公称口径 DN(mm)	25	32	40	50	65	80	100	125	150	200	250	300
允许压差 Permissible pressure (MPa)	0.32	2.20	2.20	1.41	1.38	0.94	0.61	0.51	0.36	0.20	0.19	0.13



常温型Normal temperature



中温型Medium temperature

ZDLQ三通合流调节阀外形尺寸Three confluence regulating valve external dimensions

公称通径 DN(mm)	L		行程Travel	D	H1		H	
	PN (Mpa)				PN(MPa)		常温 Normal temperature	中温 Medium temperature
	4.0	6.4			4.0	6.4		
25	190	200	16	225	150	160	555	707
32	210	210	16	225	160	170	561	709
40	230	235	25	225	170	180	660	812
50	255	265	25	225	190	200	675	827
65	285	295	40	255	220	220	863	1027
80	310	320	40	255	230	240	868	1032
100	355	370	40	255	250	260	872	1036
125	425	440	60	255	300	300	905	1120
150	460	475	60	255	320	320	920	1135
200	560	570	60	255	380	380	950	1165
250	660	670	100	415	474	474	1203	1440
300	740	770	100	415	585	585	1265	1502

ZDLX三通分流调节阀外形尺寸Three confluence regulating valve external dimensions

公称通径 DN(mm)	L		行程Travel	D	H1		H	重量Weight (kg)	
	PN(MPa)				PN(MPa)			PN(MPa)	
	4.0	6.4			4.0	6.4		4.0	6.4
80	310	320	40	255	250	260	885	78	98
100	355	370	60	255	275	285	897	93	118
125	425	440	60	255	320	320	931	155.5	172.5
150	460	475	60	255	340	340	945	207.5	323.5
200	560	570	60	255	400	400	979	384.5	412.5
250	660	670	100	415	540	540	1268	627	659
300	740	770	100	415	612	612	1294	780	819

订货须知Order Information

订货时请注明：1.产品型号；2.公称通径；3.阀体材质；4.阀前后压力；5.介质种类和温度范围；6.电动执行器内是否带空间加热器；
7.电动执行器是否带过载保护装置；8.是否有其它特殊要求。

When ordering please specify: 1. Model; 2. Nominal diameter; 3. Body Material; 4. Valve pressure before and after; 5. Medium type and temperature range; 6. Electric actuator with a space heater in it; 7. Whether the electrically operated actuator does have the over-load protection; 8. Are there other special.

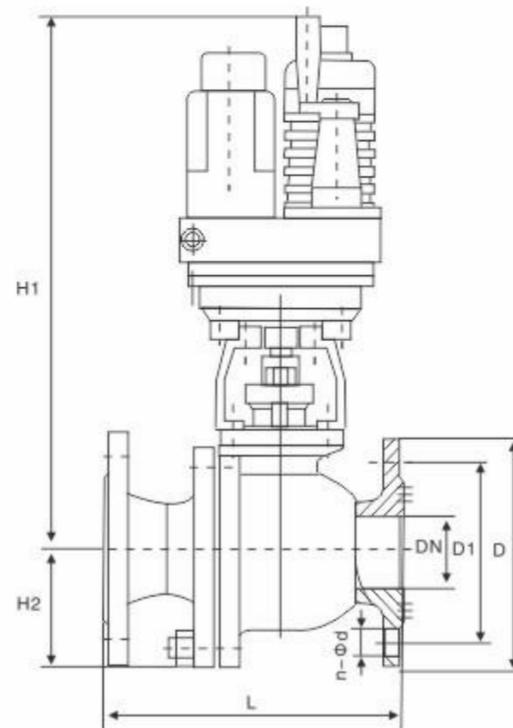
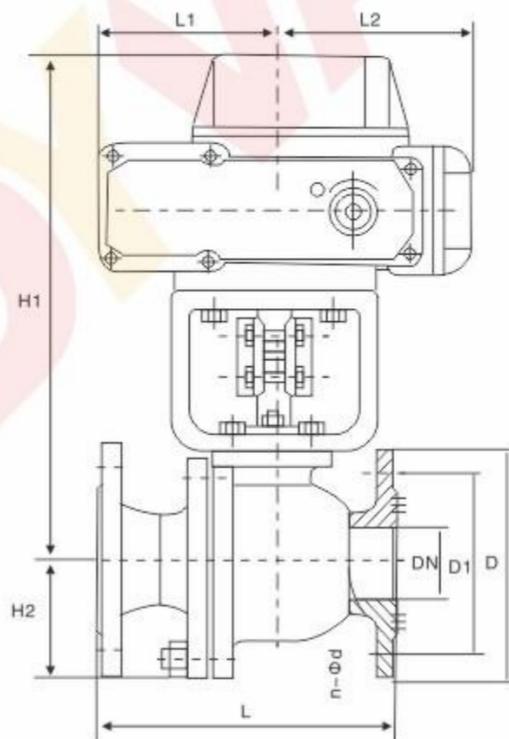
概述Outline

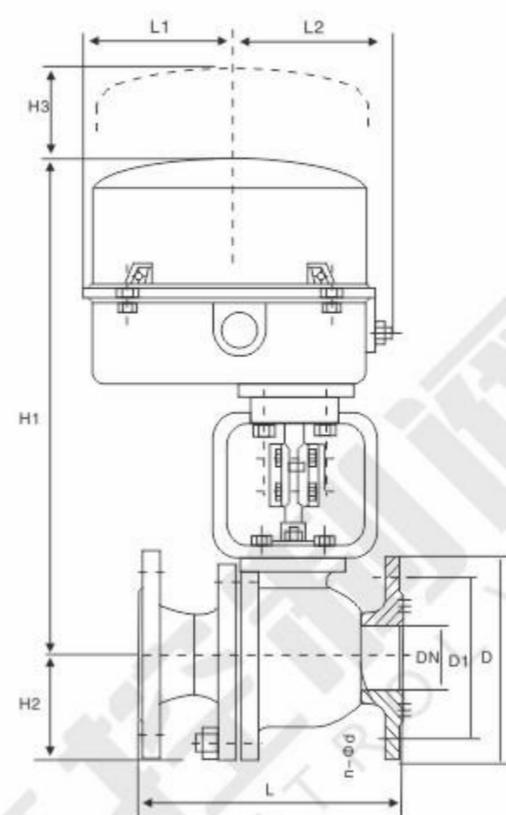
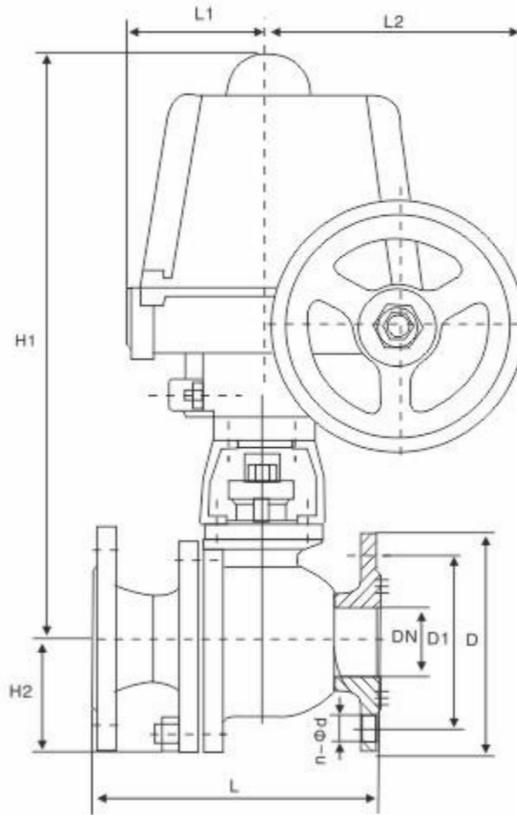
ZDJR、ZKJR系列电动O型调节球阀是一种转角为90度的旋转类调节阀，密封性能优良，流通能力大，流阻系数小，结构简单，维修方便，使用寿命长，配用DKJ-Ⅱ、Ⅲ执行器引配日本工装、西德欧姆龙等高性能执行机构。产品通常用于密封要求严格的场合，除控制气体、液体、蒸汽介质外，还适宜控制污水和含有纤维性杂质的介质，广泛用于石油、化工、冶金、轻工、造纸、电站、制冷等工业领域。

ZDJR, ZKJR Series Electric O-regulating ball valve is a 90 degree angle of rotation type control valve, good sealing performance, flow capacity, flow resistance coefficient is small, simple structure, easy maintenance, long life, is equipped with DKJ-Ⅱ, Ⅲ actuator tooling lead with Japan, West Germany, Omron and other high-performance actuators. Products are usually used to seal the occasion demanding, in addition to control gases, liquids, steam Topic words media, but also suitable for control of water and impurities in the medium containing fibrous, widely used in petroleum, chemical, metallurgy, light industry, papermaking, power station and refrigeration industries.

主要技术参数和性能Main technical parameters and performance

公称通径DN(mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
额定流量系数 Rated flow coefficient (KV)	17	33	62	95	146	232	350	439	810	1205	1912	3014	4306	6540	8750	11800
公称压力PN (MPa)	PN1.6,6.4															
连接型式Connection type	法兰连接按Flange by JB/T79-94															
球阀转角Ball valve corner	90°															
阀体材料Body material	铸钢、铸不锈钢Cast steel, cast stainless steel															
适用温度 Applicable temperature	常温型Normal temperature-40 ~ 180℃, 高温型high temperature -40 ~ 450℃															
执行机构Executive body	DKJ-Ⅱ、Ⅲ型PS AUTOMATION CMBH、LNAR-KOSO、Unic-Z电动执行机构Electric actuator															
输入信号Input signal	0 ~ 10mA, 4 ~ 20mA, 1 ~ 5V DC															
基本误差Basic error	≤全行程的±2.5%															
回差Backlash	≤全行程的Full travel ±2%															
死区Dead area	≤全行程的Full travel ±3.0%															
泄漏量Leakage	软密封: JB/T7387-94表2中的V级; 硬密封: JB/T7387-94表2中的VI级; JB/T7387-94标准2见附表 Soft sea: JB/T7387-94 Table 2 V levels; Hard seal: JB/T7387-94 table 2 VI levels; The JB/T7387-94 standard 2 see the attached list															





外形尺寸External dimensions

ZKJR-16型Model

公称 口径 DN	L	H1	H2	D	D1	n-d
25	150	470	58	115	85	4-14
32	165	490	68	135	100	4-18
40	180	500	73	145	110	4-18
50	200	620	80	160	125	4-18
65	220	630	90	180	145	4-18
80	240	650	98	195	160	8-18
100	280	685	120	215	180	8-18
125	320	730	140	245	210	8-18
150	360	880	167	280	240	8-23
200	450	970	210	335	295	12-23
250	600	1120	335	405	355	12-25
300	700	1310	385	460	410	12-25
350	800	1355	420	520	470	16-25
400	900	1405	470	580	525	16-30

电子式内伺服ZDJR-16型
Electronic servo ZDJR-16 type within

公称 口径 DN	PS AUTOMATLON CMBH			LNAR-KOSO			Unic-Z		
	H1	L1	L2	H1	L1	L2	H1	L1	L2
25	358	182	90	291	56	225	247	98	110
32	376	182	90	309	56	225	265	98	110
40	384	182	90	317	56	225	273	98	110
50	443	182	90	376	56	225	332	98	110
65	531	210	105	426	56	255	342	123	133
80	561	210	105	441	56	255	357	123	133
100	654	252	131	461	56	255	379	123	133
125	701	252	131	560	68	270	426	123	133
150	721	252	131	580	68	270	/	/	/
200	791	252	131	705	80	335	/	/	/
250	/	/	/	/	/	/	/	/	/
300	/	/	/	/	/	/	/	/	/
350	/	/	/	/	/	/	/	/	/
400	/	/	/	/	/	/	/	/	/

ZKJR-64型Model

公称 口径 DN	L	H1	H2	D	D1	n-d
15	130	460	53	105	75	4-14
20	140	465	63	125	90	4-18
25	150	470	68	135	100	4-18
32	165	490	75	150	110	4-23
40	180	500	83	165	125	4-23
50	200	620	88	175	135	4-23
65	220	646	100	200	160	8-23
80	240	781	105	210	170	8-23
100	280	804	153	250	200	8-25
125	320	925	186	295	240	8-30
150	360	955	211	340	280	18-34
200	450	1070	235	405	345	12-34
250	600	1280	335	470	400	12-41
300	700	1330	390	530	460	16-41
350	800	1375	425	595	525	16-41
400	900	1425	498	670	585	16-48

订货须知Order Information

订货时请注明：1.产品型号；2.公称口径；3.公称压力；4.输入信号；5.阀体和阀内组件材料；6.适用温度；7.连接型号；8.是否带附件。
When ordering please specify: 1. Model; 2. Nominal diameter; 3. PN; 4. Input signal; 5. Valve and valve component materials; 6. For temperature; 7. Connection type; 8. whether the attachment.

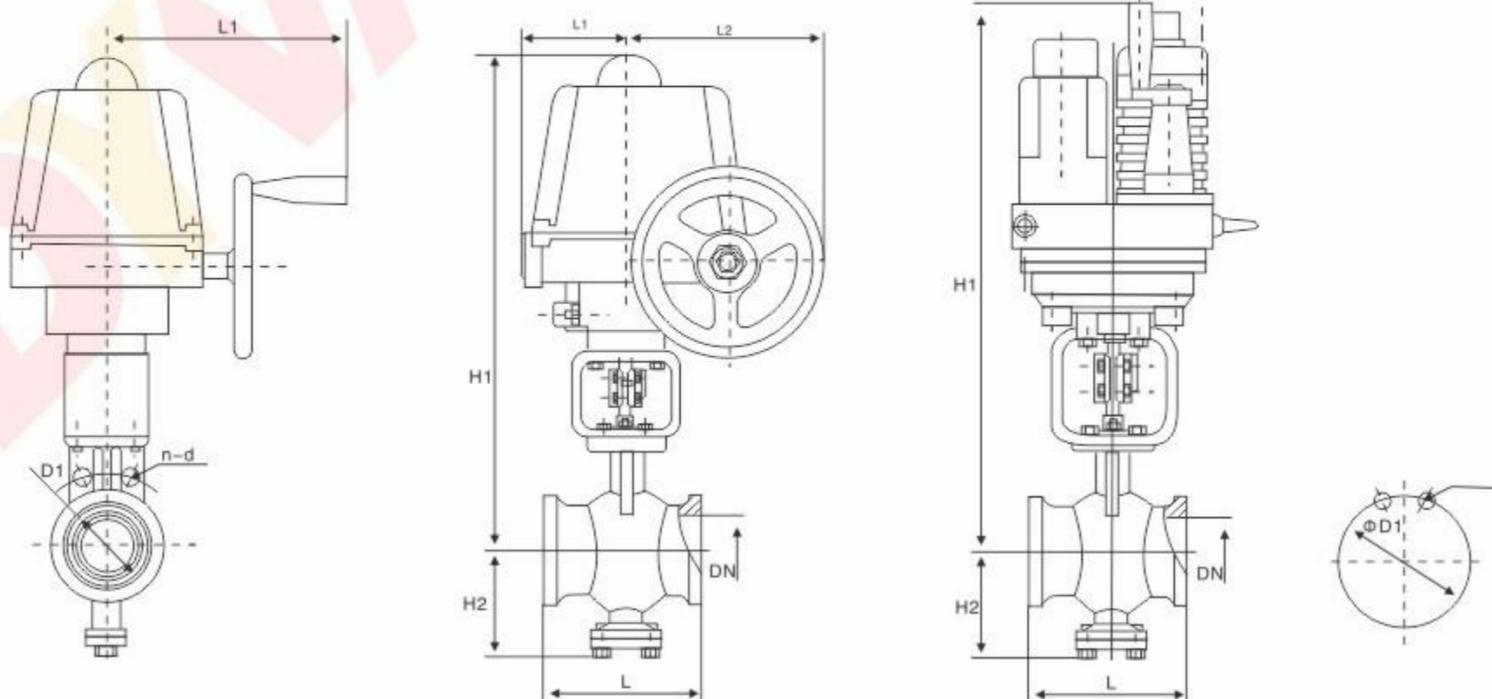
概述Outline

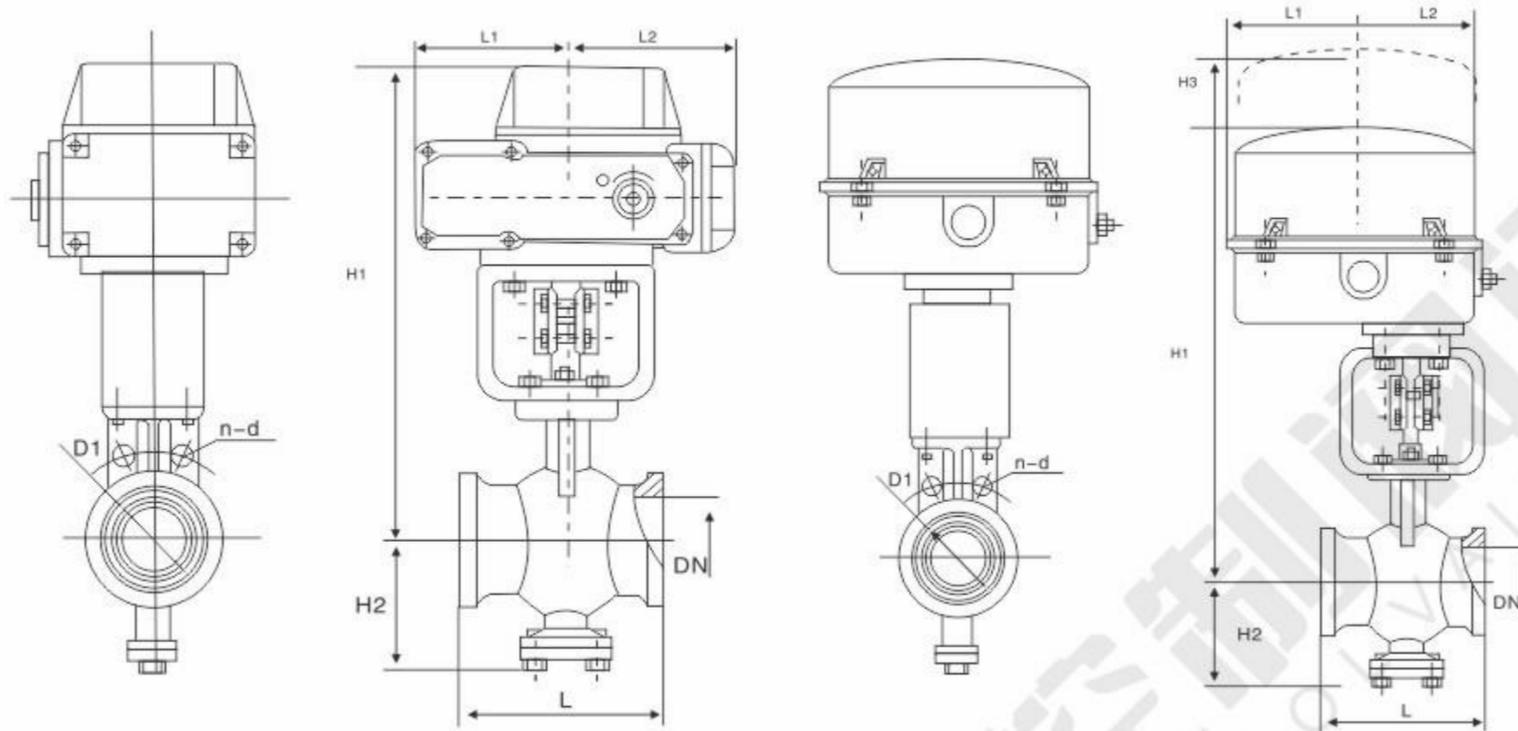
ZDJV、ZKJV系列电动V型调节阀的球芯带有V形缺口，阀关闭时，V型缺口与阀座产生楔形剪切作用，可防止球芯与阀座之间因污物产生的卡死现象；且阀门还具有流通能力大，密封性能好，可调范围大，能进行线性调节等优点。不仅适宜控制一般的流体介质，而且带尤其适宜控制纸浆、污水、含纤维和微小固体颗粒的介质，广泛应用于电力、石油、化工、冶金、造纸等行业。

ZDJV, ZKJV series of electric valve V-ball Core conditioning with V-shaped notch, the valve closed, V-notch production with seat wedge cut, preventing the ball between the core and valve seat, the card produced by dirt death phenomena; and the valve also has a flow capacity, good sealing performance, adjustable range, can carry out linear regulator and so on. Not suitable for general control of the fluid medium, and with appropriate controls, particularly pulp, sewage, including fiber and small solid particles of the medium, widely used in electric power, petroleum, chemical, metallurgy, paper and other industries.

主要技术参数和性能Main technical parameters and performance

型式Model	直通式铸造球阀Through casting ball valve													
公称通径DN(mm)	25	32	40	50	65	80	100	125	150	200	250	300	350	400
阀座直径 Seat diameter (mm)	20	26	33	40	53	66	85	104	128	170	212	255	300	340
额定流量系数 Rated flow coefficient (Kv)	25	36	63	100	184	284	400	600	950	1540	2500	3900	6150	9800
公称压力PN (MPa)	PN1.6,6.4													
连接型式 Connection type	对夹式、法兰式按JB/T79-94标准 Wafer type, flange type standard by JB/T79-94													
球芯转角 Ball core corner	90°													
阀体材料 Body material	铸钢、铸不锈钢Cast steel, cast stainless steel													
球芯型式 Ball core pattern	部分球带有V型缺口Part of the ball with a V-notch													
阀座材料 Seat material	聚四氟乙烯、不锈钢PTFE, stainless steel													
适用温度 Applicable temperature	常温型Normal temperature-40 ~ 180℃, 高温型high temperature-40 ~ 450℃													
流量特性 Flow characteristics	近似等百分比 (典型曲线图见附录) Approximately equal percentage (typical curve, see Appendix)													
执行机构 Executive body	DKJ- II、III型电动执行器, 引进配套德国欧姆龙, 日本工装等高性能执行机构 DKJ- II, III Electrically operated actuator, introduction necessary Germany ohm dragon, Japanese work clothes and so on high performance implementing agency													
输入信号 Input signal	0 ~ 10mA, 4 ~ 20mA, 1 ~ 5V DC													
基本误差 Basic error	≤全行程的full travel ± 2.5%													
回差 Backlash	≤全行程的full travel 2%													
死区 Dead area	≤全行程的full travel 3.0%													
泄漏量 Leakage	软密封: JB/T7387-94表2中的V级 Soft seal: JB/T7387-94 table 2 V levels													





外形尺寸External dimensions

ZKJV-16型Model

公称 口径 DN	L	H1	H2	D1	n-d
25	102	450	60	85	4-14
32	102	460	65	100	4-18
40	114	470	75	110	4-18
50	124	500	95	125	4-18
65	143	520	105	145	4-18
80	165	530	120	160	8-18
100	194	620	140	180	8-18
125	213	675	165	210	8-18
150	229	695	185	240	8-23
200	243	780	205	295	12-23
250	297	1000	240	355	12-25
300	338	1050	290	410	12-25
350	380	1245	330	470	16-25
400	420	1295	360	525	16-30

电子式内伺服ZDJV-16型
Electronic servo ZDJV-16 type within

公称 口径 DN	PS AUTOMATLON CMBH			LNAR-KOSO			Unic-Z		
	H1	L1	L2	H1	L1	L2	H1	L1	L2
25	388	182	90	321	56	225	277	98	110
32	406	182	90	339	56	225	295	98	110
40	416	182	90	349	56	225	305	98	110
50	475	182	90	408	56	225	364	98	110
65	568	210	105	463	56	255	379	123	133
80	593	210	105	473	56	255	389	123	133
100	677	252	131	486	56	255	402	123	133
125	701	252	131	560	68	270	426	123	133
150	711	252	131	580	68	270	/	/	/
200	771	252	131	685	80	335	/	/	/
250	/	/	/	/	/	/	/	/	/
300	/	/	/	/	/	/	/	/	/
350	/	/	/	/	/	/	/	/	/
400	/	/	/	/	/	/	/	/	/

ZKJV-64型Model

公称 口径 DN	L	H1	H2	D1	n-d
25	102	450	60	85	4-18
32	102	460	65	100	4-23
40	114	470	75	110	4-23
50	124	500	95	125	4-23
65	143	590	105	145	8-23
80	165	600	120	160	8-23
100	194	720	140	180	8-23
125	213	737	165	210	8-30
150	229	835	185	240	8-34
200	243	875	205	295	12-34
250	297	1070	240	355	12-41
300	338	1110	290	410	16-41
350	380	1145	330	470	16-41
400	420	1180	360	525	16-48

订货须知Order Information

订货时请注明：1.产品型号；2.公称口径、阀座直径；3.公称压力；4.输入信号；5.阀体和阀内组件材料；6.适用温度；7.连接型号；8.是否带附件。

When ordering please specify: 1. Model; 2. Nominal diameter, seat diameter; 3. PN; 4. Input signal; 5. Valve and valve component materials; 6. For temperature; 7. Connection type; 8. whether the attachment.

概述Outline

ZDJW型电动调节蝶阀由DKJ角行程电动执行机构和蝶阀组成，它与电动单元组合仪表配合使用。具有结构简单、口径大、重量轻、操作方便等优点。广泛应用于冶金、电站石油、化工等部门。

ZDJW electric regulating butterfly valve angle from the DKJ butterfly valve actuators and composition, with electronic control with the use. Simple structure, diameter, light weight, convenient operation. Widely used in metallurgy, power station oil, chemical and other departments.

规格与技术参数Specifications and technical parameters

公称通径 (mm)	50	80	100	125	150	200	250	300	350	400	450	500	600	700	800	1000	1200	1400	1600	1800	1900	2000
额定流量(KV) Rated flow coefficient	85	225	340	500	770	1360	2130	3060	4160	5450	6900	8500	12200	16600	21700	34000	49000	6600	87000	110000	123000	136000
执行机构型号 Executive body type	DKJ																					
公称压力 (MPa)	0.6																					
介质温度 (°C) Medium temperature	常温-20 ~ 200°C (铸铁)、-40 ~ 250°C (铸钢), 中温-40 ~ 450°C (铸不锈钢) Normal temperature -20 ~ 200 °C (cast iron), -40 ~ 250 °C (Cast steel), Medium temperature -40 ~ 450 °C (cast stainless steel)																					
转角范围 Corner scope	平行闸板Parallel damper plate0 ~ 70°, 倾斜闸板inclined valve board0 ~ 60°																					
流量特性 Flow characteristics	近似等百分比Approximately equal percentage																					
接管法兰 Over flange	按GB/T17241.6、GB/T9113.1连接By GB/T17241.6, GB/T9113.1 connection																					
动作时间 Action time (S)	25																					
阀体材质 Body material	HT200,35,WCB,1Cr18Ni9Ti,ZG1Cr18Ni12Mo2Ti																					

执行机构主要技术参数Implementing agency major technique parameter

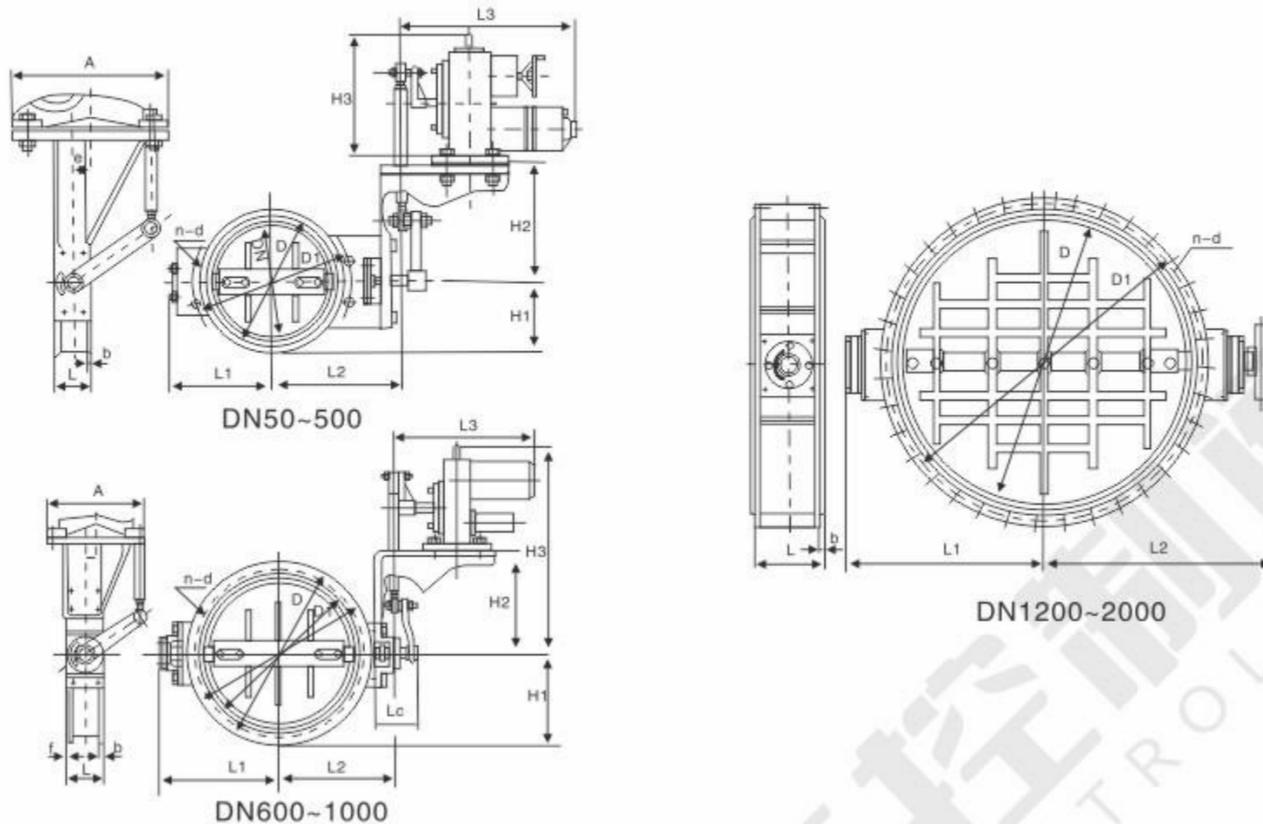
型号Model	DJK-110	DJK-210	DJK-310	DJK-410	DJK-510
输入信号 Input signal	DC0 ~ 10mA, DC4 ~ 20mA				
输入电阻 Input resistance (Ω)	200				
输出转角 Output corner (°)					
输出力矩 Output torque (N.m)	40	100	250	600	1600
电源 Power supply	200V, 50Hz				

主要技术性能指标Key performance indicators

项目Project	指标值Index value
基本误差Basic error (%)	± 8.0
回差Backlash (%)	6.0
死区Dead area (%)	5.0
额定行程偏差 Rated stroke deviation (%)	± 4.0
允许泄漏量Allow leakage (l/h)	平行闸板: 2 × 10 ⁻² × 阀额定容量, 倾斜闸板: 5 × 10 ⁻³ × 阀额定容量 Parallel disc: 2 × 10 ⁻² × valve rated capacity, Inclined slide: 5 × 10 ⁻³ × valve rated capacity

允许压差与执行机构选型 Permissible pressure and selection of the implementing agencies

公称通径 DN(mm)	配用执行机构 With implementing agencies											
	DJK-110		DJK-210		DJK-310		DJK-410		DJK-510		DJK-610	
	0°	70°	0°	70°	0°	70°	0°	70°	0°	70°	0°	70°
50	28.1	1.948										
80	11.0	0.488										
100	7.127	0.252										
125	3.19	0.128	8.08	0.325								
150	2.21	0.075	5.6	0.189								
200	0.983	0.031	2.512	0.079								
250					4.05	0.103						
300					2.33	0.059						
350					1.75	0.037						
400							2.684	0.060				
450							2.120	0.042				
500							1.718	0.031				
600							0.927	0.0178				
700							0.682	0.0098				
800									1.14	0.020		
1000									0.619	0.0103		
1200											0.504	0.016
1400											0.371	0.0106
1600											0.251	0.0076
1800											0.177	0.005
1900											0.151	0.0042
2000											0.129	0.0036



外形尺寸External dimension

公称通径 DN(mm)	尺寸Size (mm)													配执行机构 With implementing agencies
	D	D1	A	e	b	L	L1	L2	L3	H1	H2	H3	n-d	
50	-	110	245	30	/	60	92	139	357	55	299	270	4-14	DKJ-210
80	125	150	245	30	/	60	92	139	357	62.5	299	270	4-18	DKJ-210
100	145	175	245	30	12	60	102	149	357	72.5	299	270	4-18	DKJ-210
125	175	200	245	30	12	60	117	168	357	87.5	299	270	8-18	DKJ-210
150	200	225	245	30	12	60	130	181	357	100	299	270	8-18	DKJ-210
200	255	280	245	30	12	70	172	221	357	127.5	299	270	8-18	DKJ-210
250	310	335	300	36	14	70	197	258	507	155	340	298	12-18	DKJ-310
300	362	395	300	36	14	80	227	283	507	181	340	298	12-23	DKJ-310
350	412	445	300	36	14	80	252	290	507	206	340	298	12-23	DKJ-310
400	462	495	365	45	16	100	296	348	529	231	400	381	16-23	DKJ-410
450	518	550	365	45	16	100	321	371	529	259	400	381	16-23	DKJ-410
500	558	600	365	45	16	100	346	396	529	284	400	381	16-23	DKJ-410
600	755	706	365	45	30	150	480	418	530	377.5	863	482	20-25	DKJ-410
700	860	810	365	45	32	150	530	531	530	430	863	482	24-25	DKJ-410
800	975	920	420	51	34	200	595	586	681	487.5	917	480	24-30	DKJ-510
1000	1175	1120	420	51	36	200	735	721	681	587.5	917	480	28-30	DKJ-510
1200	1400	1340	/	60	45	250	906	980	/	/	/	/	32-34	DKJ-610
1400	1575	1520	/	60	25	300	965	1012	/	/	/	/	36-30	DKJ-610
1600	1785	1730	/	60	25	350	1065	1112	/	/	/	/	40-30	DKJ-610
1800	/	/	/	/	/	-	-	-	/	/	/	/	/	DKJ-610
1900	2100	2020	/	60	25	350	1217	1315	/	/	/	/	44-30	DKJ-610
2000	/	/	/	60	/	-	-	-	/	/	/	/	/	DKJ-610

订货须知Order Information

订货时请注明：1.产品型号；2.公称通径；3.公称压力；4.阀体和阀内组件材料；5.转角范围；6.作用方式；7.介质温度；8.输入信号；9.附件。

When ordering please specify: 1. Model; 2. Nominal diameter; 3. PN; 4. Valve and valve component materials; 5. Angle range; 6. Mode of action; 7. Medium temperature; 8. Input signal; 9. Annex.

概述Outline

ZSSWy型气动硬密封蝶阀是一种金属密封的蝶阀，阀座为浮动式，具有自动对准中心的功能，阀板为椭圆开，双向偏心安装。阀门关闭时，阀板带动阀座运动，达到最佳密封。阀开启时，接触立即脱离，有效防止阀座磨损。结构简单，性能好，寿命长，适用于石化、冶金、轻工、电力等控制场合。

ZSSWy pneumatic seal is a metal sealed butterfly valve, valve seat for the float type, with automatic targeting center functions, the valve plate is elliptical opening, two-way eccentric installation. Valve is closed, valve seat plate led campaign to achieve the best seal. Valve is opened, contacts disengage immediately and effectively to prevent valve seat wear. Simple structures, good performance, long life, suitable for petrochemical, metallurgy, light industry, electric power control the situation.

规格与技术参数Specifications and technical parameters

公称通径DN (mm)	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
额定流量系数 Rated flow coefficient (Kv)	155	245	495	827	1350	1808	2583	3359	4220	5170	7924	10250	12920	17130	20910
公称压力PN (MPa)	0.6,1.0,1.6,2.5 (150Lb,300Lb)														
转角范围 Corner scope	调节型70° ,二位式90° Adjust type 70° , two type 90°														
信号压力 Signal pressure (KPa)	20 ~ 100														
流量特性 Flow characteristics	近似等百分比Approximately equal percentage														
介质温度 Medium temperature (°C)	-40 ~ 450°C														
连接型式 Connection type	对夹式或法兰式Wafer type or flange type														
阀类开型式 Valves open type	双向偏心旋转式Two-way eccentric rotary														
执行机构 Executive body	活塞式ZSS Piston ZSS														
阀体材质 Body material	WCB,1Cr18Ni,ZG0Cr18Ni12Mo2Ti														
阀板材质 Disc material	WCB,1Cr18Ni,ZG0Cr18Ni12Mo2Ti														

注：表中Kv值为70° 开度时，90° 时Kv值约为70° Kv值的1.5倍左右。

Note: The table Kv value of 70° opening time, 90° when the Kv value of approximately 70° Kv value is about 1.5 times.