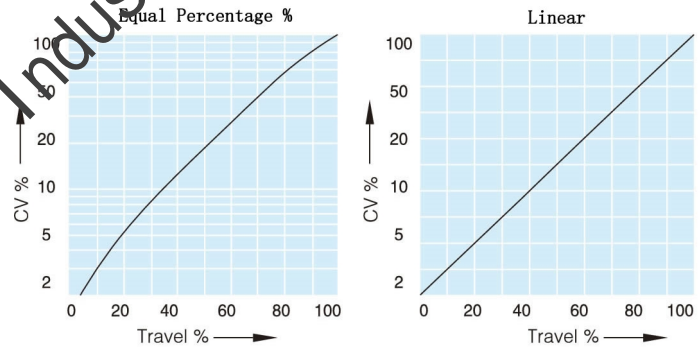


Single Seat Control Valve



Operator	Electric, Pneumatic (1.4~4bar)
Nominal Diameter	20~200mm
Nominal Pressure	1.6~6.4MPa
Applicable Temperature	PTFE & FEP (F46) : -17~+100°C; Low Temperature: -196~+100°C
	High Temperature: -17~+566°C; Normal Temperature: -17~+230°C
Flow Characteristics	Linear, Equal Percentage
Return Difference	≤1% of the total stroke
Basic Error	≤1% of the total stroke
Adjustable Range	50:1
Optional	Positioner, Solenoid Valve, Air Filter Regulator, Handwheel

Flowspec Luokai Industrial Co., Ltd.



Flow Coefficient

DN	20	25	32	40	50	65	80	100	150	200
Core			25/32	25/32/50	32/40/50	40/50/65	50/65/80	65/80/100	100/125/150	125/150/200
CV	0.01~10	0.01	10/17	10/17/24	17/27/44	24/44/68	44/68/99	68/99/175	175/275/360	275/360/640
Stroke	14.3		25	25	25	38	38	38	50	75

Differential Pressure Range

Unit: 100KPa

Failure Position	Air supply pressure	Spring Range	Differential Pressure Range										
			20	25	32	40	50	65	80	100	125	150	200
Open	1.4	0.2~1.0	5.0~40	6.3	3.8	2.7	1.6	1.7	1.2	0.7	0.4	0.3	0.3
	1.6	0.2~1.0	25.2~40	31.6	19.3	13.7	7.8	8.8	6.2	3.5	2.2	1.4	1.5
	4.0	0.8~2.4	40	40/94	40/57	40/41	21.7	26.5	18.7	10.5	6.7	4.1	4.5
Close	1.4	0.2~1.0	5.0~40	6.3	3.8	2.7	1.6	1.7	1.2	0.7	0.4	0.3	0.3
	2.8	0.8~2.4	40	40/44	27	14.1	11.1	12.3	8.7	4.9	3.1	1.9	2.1

备注 Note : 1、最大允许压差不超过最大工作压力

The maximum allowable differential pressure does not exceed the maximum pressure

2、同一格内, /前方数字表示阀常开允许压差, 后方数字表示阀全关允许压差。

The number in the front of '/' indicates the allowable differential pressure for valve totally opened, the rear numerals indicates the allowable differential pressure for valve totally closed.

3、以上允许压差均采用标准执行机构, 当压差不满足时, 也可增大执行机构。

The above allowable differential pressure under standard actuator, If the differential pressure is not enough then can use enlarged actuator.

单座调节阀的阀芯采用上导向结构, 通道呈S型。有压降小, 流量大, 可调范围广, 流量特性精度高的特点。执行器可采用气动薄膜式、电子式电动执行机构, 出厂时已经将零点量程调试完毕, 用户接通气源输入信号即可运转使用。
Valve core of single seat control valve adopts up guide structure, and the channel is S type. It has the characteristics of small pressure drop, large flow, wide adjustable range, and flow characteristics of high precision. Actuator can adopt pneumatic diaphragm and electronic electric actuator. When delivery, zero range has been debugged. After the user switches on air input signal, it can operated and be used.

※ 接线简单, 操作简易。

Wiring is simple, easy to operate.

※ 调节性能优异, 流量系数精确。

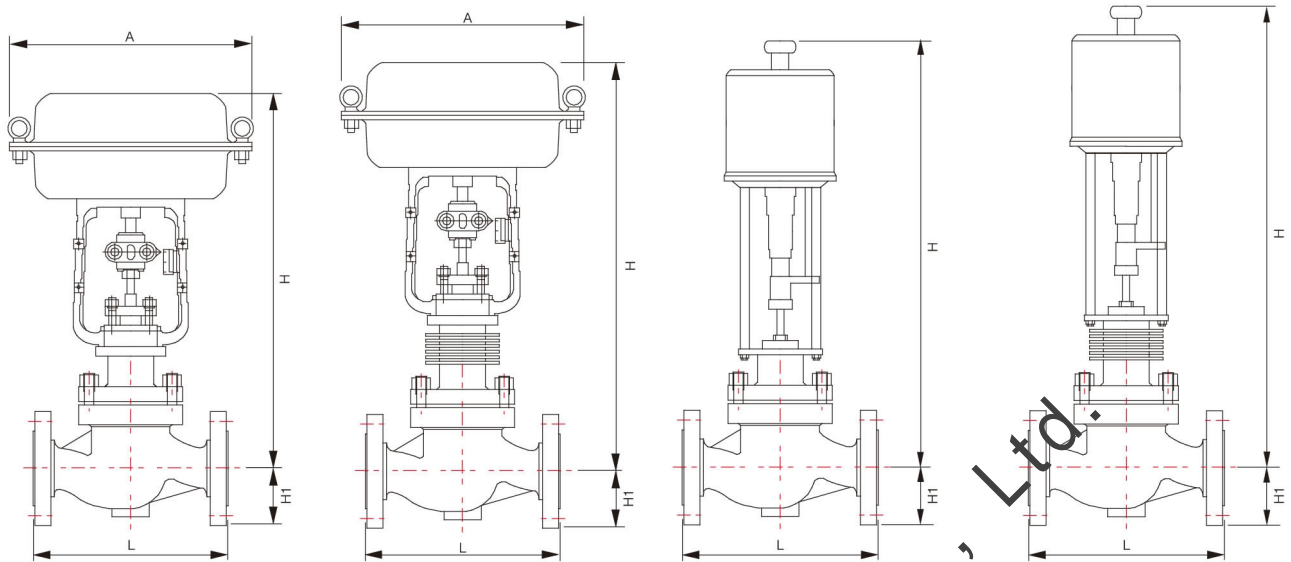
Regulation performance is excellent, flow coefficient is accurate.

※ 通道呈S型, 压力损失小, 流通能力强。

The channel is S type, pressure loss is low, circulation ability is strong.

※ 有一定黏度和少量纤维的介质也可以选用。

It can be applied to medium with viscosity and a small amount of fiber.



气动薄膜单座调节阀外形尺寸 The dimension of pneumatic diaphragm single seat control valve

Unit:mm

SIZE		执行器 Actuator	H				H1	A
			常温 Normal temp.	高温 I High temp.	高温 II High temp.	高温 III High temp.		
20	3/4"	ZHA1R/D	375	525	665	900	40	230
25	1"	ZHA2R/D	450	600	760	975	40	281
32	1-1/4"	ZHA2R/D	500	665	780	1020	70	281
40	1-1/2"	ZHA2R/D	500	665	780	1020	70	281
50	2"	ZHA2R/D	500	674	785	1025	80	281
65	2-1/2"	ZHA3R/D	630	800	930	1180	88	363
80	3"	ZHA3R/D	635	810	955	1190	98	363
100	4"	ZHA3R/D	660	860	1020	1205	113	363
125	5"	ZHA3R/D	785	1020	1250	1385	170	363
150	6"	ZHA3R/D	785	1020	1250	1385	170	363
200	8"	ZHA4R/D	1090	1350	1580	1710	220	520

备注: R 气开式 D 气闭式 Remarks: R for air to open D for air to close

H 栏尺寸不包含手轮、定位器、加大执行器尺寸 The dimension of H does not contain a hand wheel, positioner, enlarged actuator

电子式电动单座调节阀外形尺寸 The dimension of electric single seat control valve

Unit:mm

SIZE		执行器 Actuator	H		H1
			常温 Normal temp.	高温 High temp.	
20	3/4"	LFL-201	672	823	40
25	1"	LFL-202	736	887	40
32	1-1/4"	LFL-204	771	922	70
40	1-1/2"	LFL-204	771	922	70
50	2"	LFL-204	801	952	80
65	2-1/2"	LFL-208	910	1060	88
80	3"	LFL-208	926	1077	98
100	4"	LFL-210	934	1085	113
125	5"	LFL-312	1133	1348	170
150	6"	LFL-312	1133	1348	170
200	8"	LFL-314	1216	1431	220

L: 阀体长度 Body length

Unit:mm

SIZE		ANSI 125 FF	JIS 16K RF	ANSI 300 RF	ANSI 600 RF	JIS 16K	JIS 20K	JIS 30K	JIS 40K
		ANSI 150 RF		JIS 20/30K RF	JIS 40K RF				
		JIS 10K FF RF		JIS 30K RF	PN64				
		PN16 RF		PN40 RF		沟槽 Groove			
						嵌入 Embedding			
20	3/4"	184	190	194	206	/	198	208	/
25	1"	184	190	197	210	/	198	212	/
32	1-1/4"	200	/	/	/	/	/	/	/
40	1-1/2"	222	231	235	251	235	236	248	251
50	2"	254	263	267	286	265	267	276	286
65	2-1/2"	276	288	292	311	290	292	303	311
80	3"	298	313	317	337	310	317	326	337
100	4"	352	364	368	394	360	368	378	394
125	5"	410	/	/	/	/	/	/	/
150	6"	451	465	473	508	475	473	486	508
200	8"	543	560	568	610	570	568	580	610