用诚信打造脊梁 用质量铸就辉煌

In good faith to build the backbone Using quality molded glory

Kinko

浙江金莳流体设备有限公司

ZHEJIANG KINKO FLUID EQUIPMENT CO., LTD.



流体控制方案解决商

FLUID CONTROL SOLUTION PROVIDER

Kinko 浙江金莳流体设备有限公司

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ABOUT US
关于我们

BUILDING THE BACKBONE WITH **INTEGRITY**
BRILLIANCE WITH **QUALITY**
用**诚信**打造脊梁 用**质量**铸就辉煌

浙江金莳流体设备有限公司是一家专业供应各类角座阀、气动执行器、气球球阀、气动蝶阀、电动执行器、电动球阀、电动蝶阀、气动调节阀、电动调节阀、手动球阀、手动蝶阀、气动手动机构、限位开关、定位器的专业性流体设备企业。

本公司产品全部由拥有精良的流水生产线，高精密度的数控加工中心以及检测设备，并严格按照ISO9001国际质量标准体系组织生产，检验，销售和服务，为确保产品质量，产品按ISO、DIN、3A、IDF、SYS、JIS和GB的工业标准生产，质量符合FDA/GMP规范要求。公司始终努力改进和创新管理模式以及生产管理程序，提高产品质量和售后服务。

公司为用户咨询、设计、选型、安装，解决各种控制方案，秉承“质量可靠，服务满意，重视技术，科学管理”为质量方针，做好每一台阀门，注意每一个细节，服务每一位用户，让您们安心，放心使用。“金莳” 追求着力争高品质，追求高效管理，寻求科技发展的目标，积极打开“金莳”品牌的国际化进程的脚步，始终以赢得客户的信任而奋斗。

“金莳”愿与各界朋友共同努力，为自动化阀门行业水平的提高做出我们的贡献！欢迎国内外客户光临指导，联系业务，建立长期关系。



"KINKO Fluid Equipment Co., Ltd".is a professional fluid equipment enterprise that, Manufacture various kinds of pneumatic actuators, pneumatic butterfly valves, pneumatic ball valves, electric actuator, electric butterfly valves, electric ball valves, electric control valve, pneumatic control valve, pneumatic angle seat valve, manual butterfly valve, manual ball valve, Gear box, limit switch box, positioner.....

The company has international advanced assembly line, precision CNC machining centers as well as perfect testing equipment, and in strict accordance with ISO9001 international quality standard system of organizing production, testing, sales and service, to ensure product quality, product by ISO, DIN, 3A, IDF, SYS, JIS and GB standard ,the quality of full compliance with FDA/GMP requirements. Companies always try to improve and innovation management method and production management procedures, introduction of international advanced technology and equipment, improve product quality and after-sales service.

We do for the user "consulting, design, selection, installation", to solve all kinds of control trouble, adhering to the "quality first, customer first" corporate philosophy, the pursuit of the strive to high quality, the pursuit of efficient management, to seek the goal of science and technology development, Creating the "KINKO" international brand, always strive to win the trust of customers.

"KINKO" People warmly welcome customers to visit our company ! Establish a long-term relationship..

ENTERPRISE CERTIFICATE

企业证书

金莉获得的资质和荣誉，是对我们过去取得成绩的肯定，也是我们创造明日辉煌的鼓舞和鞭策！向新的台阶迈进，是金莉人顽强拼搏，永不停歇的信念！

The qualification and honor obtained by "KINKO' is the affirmation of our past achievements, and it is also the inspiration and spur for us to create tomorrow's brilliance! To move to a new level, is the “KINKO” people tenacious struggle, never stop the belief!

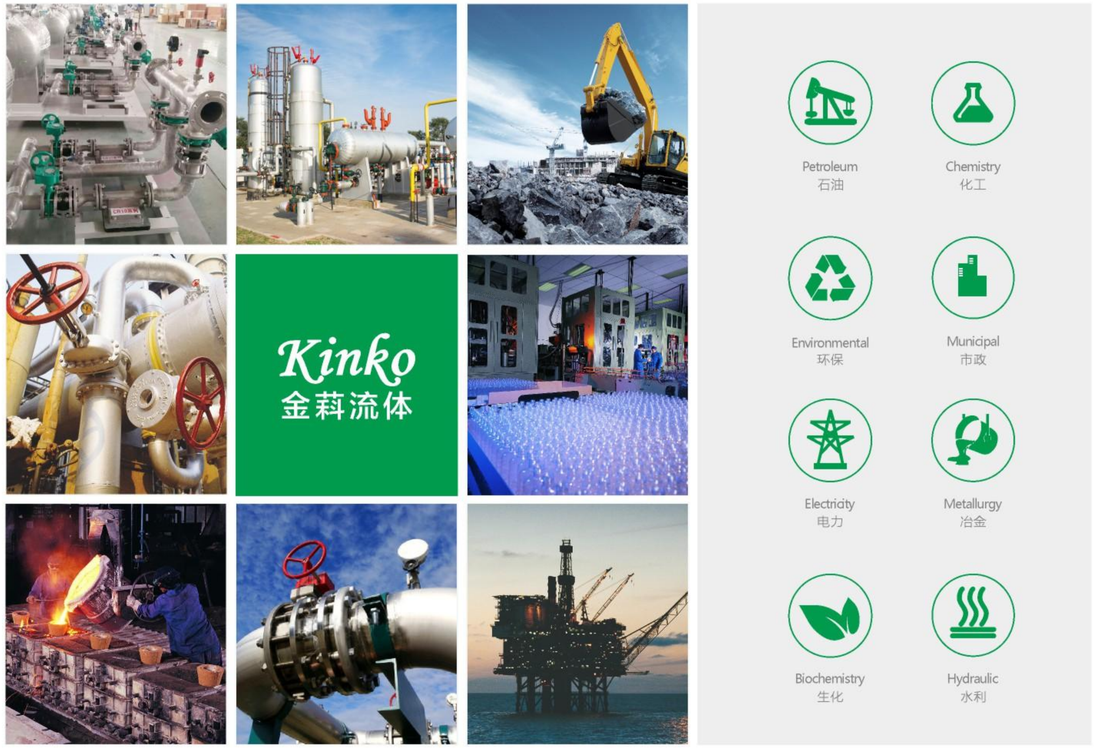


APPLICATION FIELD

应用领域

产品广泛应用于石油、化工、冶金、制药、电力、矿业、环保、市政、生化、水利、给排水及供热等行业。

It is widely used in petroleum, chemical, metallurgy, pharmaceutical, power, mining, environmental protection, municipal, biochemical, water conservancy, water supply and drainage, and heating industries.



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Product Display

Kinko 金科流体
—KINKO-FLOW—

1

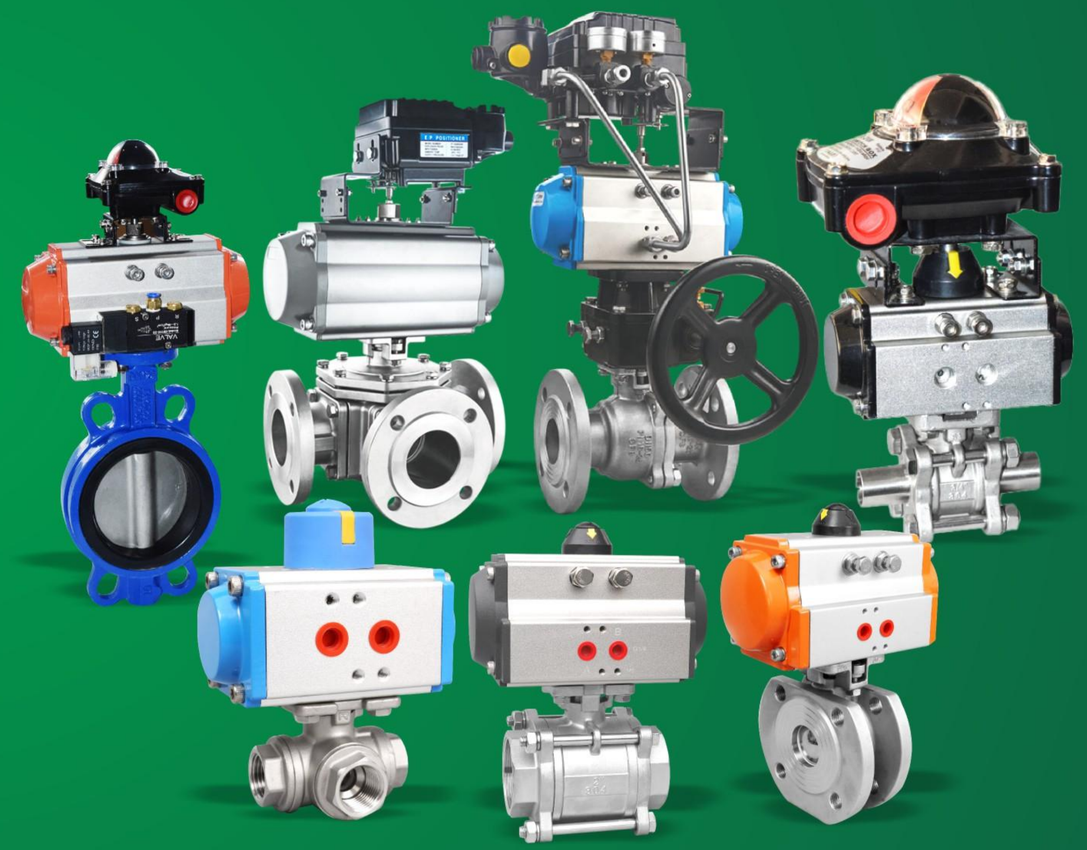
气动执行器及阀门系列
PNEUMATIC ACTUATORS AND VALVE SERIES

专业生产 品质保证
Professional production，quality assurance



Kinko 金科流体

铸造辉煌，唯有品质
Casting brilliant, only has the quality





ASSEMBLY AREA
装配区

ASSEMBLY AREA
装配区





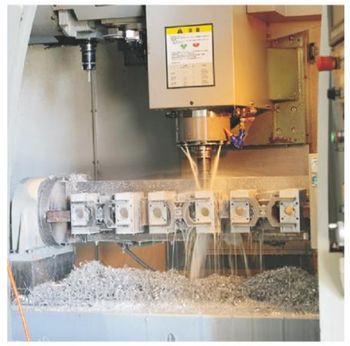






CNC
MACHINE CENTER
加工区







MANUFACTURING EQUIPMENT
制造装备

以雄厚的技术力量、精良的设备、完善的工艺不断为顾客提供优质产品。

To The Abundant Technical Force,Excellent Equipment,Perfect Technology To Provide Customers With Quality Products Constantly.













工作技术条件

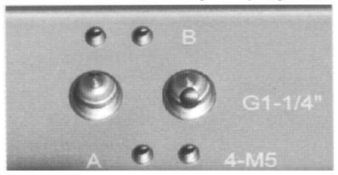
1.工作介质：
干燥或润滑的空气或无腐蚀性气体介质中杂质微粒小于30μm.
2.气源压力：
3bar~8bar.
3.介质环境温度：
标准：-20℃~+80℃
低温：-40℃~+80℃
高温：-20℃~+160℃
4.行程调节：
0°和90°两个位置
有±5°的调节范围
5.使用场合：室内或室外安装

Operating conditions:

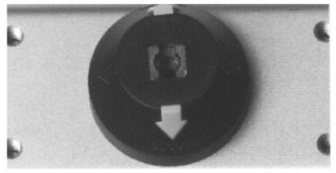
1.Operating media:
Dry or lubricated air, or the non-corrosive gasses
the maximum particle diameter must less than 30μm
2.Air supply pressure:
3bar~8bar
3.Operating temperature:
Standard: -20℃~+80℃
Low temperature:-40℃~+80℃
High temperature: -20℃~+160℃
4.Travel adjustment:
Have adjustment range of ±5°for the rotation at 0°and 90°
5.Use occasions:Indoor or outdoor installation

动作形式 Operating type :

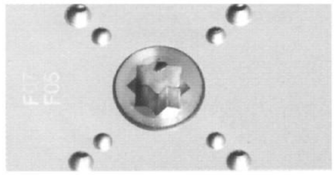
双作用和单作用 Double acting and spring return



气源接口符合 NAMUR 标准，可简单方便地安装电磁阀。
Air supply connection is designed in accordance with NAMUR Standard to install solenoid valves.



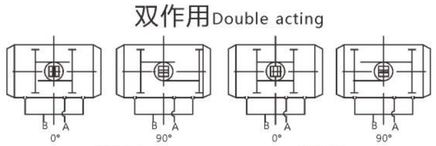
输出轴的NAMUR标准槽和缸体上部标准安装孔，可使限位开关、定位器直接啮合和安装。
The Namur drive pinion and the Namur top mounting connection permit direct installation of accessoriessuch as limit switch box and positioner.



底部安装孔设计符合ISO5211、DIN3337标准,可以直接安装离合器(气动手轮机构)或安装机架.
Bottom mounting connection is designed in accordance with ISO5211 and DIN3337 standards for direct mounting with valve gear boxes or mounting brackets.

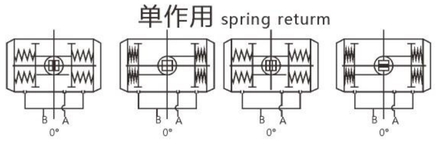
工作原理 Working Principle

双作用Double acting

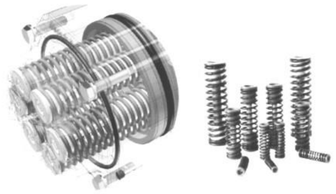


逆时针 Anticlockwise Rotation　　顺时针 Clockwise Rotation

单作用 spring returm



逆时针 Counter Clockwise Rotation　　顺时针 Clockwise Rotation





单作用执行器弹簧位置
Spring positions of Spring Return Actuators





双作用执行器输出扭矩(单位:Nm) Double Acting Actuator Output Torque(Unit:Nm)

型号 Model	输入气源压力（单位：巴）Input air supply pressure (unit:Bar)						
	2	3	4	5	6	7	8
JAT32D	3.1	4.7	6.2	7.8	9.4	11	12.5
JAT52D	8.5	12.7	17	21.2	25.5	29.7	34
JAT63D	15	22.5	30	37.5	44.9	52.4	59.7
JAT75D	21	31.8	42.4	53	63.6	74.2	84.8
JAT83D	32.5	48.7	65	81.2	97.4	113.7	130
JAT92D	46.5	69.8	93	116.3	140	162.9	186
JAT105D	69.3	104	138.5	173.2	207.8	242.5	277
JAT115D	95	129	172	215	258	301	344
JAT125D	108	162	216	270	324	378	432
JAT140D	184.7	277	369.5	461.8	554	646.5	739
JAT160D	281.5	422	563	704	844	985	1126
JAT190D	453	680	907	1135	1361	1587	1814
JAT210D	554	831	1108	1384	1662	1939	2216
JAT240D	814	1221	1628	2035	2442	2849	3256
JAT270D	1236	1854	2472	3090	3708	4326	4944
JAT300D	1908	2286	3052	3815	4578	5341	6104
JAT350D	2856	3427	4570	5712	6854	7997	9139
JAT400D	4069	4883	6511	8139	9767	11394	13022

单作用执行器输出扭矩（单位：Nm） Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring														弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		3Bar		4Bar		5Bar		6Bar		7Bar		8Bar			
型号 Model	弹簧数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
JAT52SR	5	8.8	7.3	13.0	11.6									5.4	4.0
	6	8.0	6.3	12.2	10.5	16.5	14.8							6.5	4.7
	7	8.2	5.2	11.5	9.4	15.7	13.7	20.0	17.9					7.6	5.5
	8	6.4	4.1	10.7	8.3	14.9	12.6	19.2	16.8	23.4	21.1			8.6	6.3
	9			9.9	7.3	14.1	11.5	18.4	15.8	22.6	20.0	26.9	24.3	9.7	7.1
	10			9.1	6.2	13.3	10.4	17.6	14.7	21.8	18.9	26.1	23.2	10.8	7.9
	11					12.5	9.4	16.8	13.6	21.0	17.9	25.3	22.1	11.9	8.7
	12					11.8	8.3	16.0	12.5	20.3	16.8	24.5	21.0	13.0	9.5
JAT63SR	5	15.7	12.5	23.1	20.0									9.9	6.8
	6	14.3	10.5	21.8	18.0	29.3	25.5							11.9	8.1
	7	13.0	8.5	20.4	16.0	27.9	23.5	35.4	31.0					13.9	9.5
	8	11.6	6.5	19.1	14.0	26.6	21.5	34.0	29.0	41.5	36.5			15.9	10.8
	9			17.7	12.0	25.2	19.5	32.7	27.0	40.2	34.5	47.6	42.0	17.9	12.2
	10			16.4	10.0	23.8	17.5	31.3	25.0	38.8	32.5	46.3	40.0	19.9	13.6
	11					22.5	15.5	30.0	23.0	37.5	30.5	44.9	38.0	21.9	14.9
	12					21.1	13.5	28.6	21.0	36.1	28.5	43.6	36.0	23.9	16.3
JAT75SR	5	27.0	21.6	39.3	34.0									15.5	10.2
	6	24.9	18.5	37.3	30.9	49.7	43.3							18.6	12.2
	7	22.9	15.5	35.3	27.8	47.6	40.2	60.0	52.6					21.7	14.2
	8	20.9	12.4	33.2	24.7	45.6	37.1	58.0	49.5	70.4	61.8			24.8	16.2
	9			31.2	21.6	43.6	34.0	56.0	46.4	68.3	58.7	80.7	71.1	27.8	18.3
	10			29.2	18.5	41.6	30.9	53.9	43.3	66.3	55.7	78.8	68.0	30.9	20.3
	11					39.5	27.8	51.9	40.2	64.3	52.6	76.6	64.9	34.0	22.3
	12					37.5	24.7	49.9	37.1	62.2	49.5	74.6	61.8	37.1	24.4

单作用执行器输出扭矩（单位：Nm） Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring														弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		3Bar		4Bar		5Bar		6Bar		7Bar		8Bar			
型号 Model	弹簧数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
JAT83S	5	33.8	27.2	50.1	43.4									21.5	14.9
	6	30.9	22.9	47.1	39.1	63.3	55.3							25.8	17.8
	7	27.9	18.6	44.1	34.8	60.4	51.0	76.6	67.3					30.1	20.8
	8	24.9	14.3	41.2	30.5	57.4	46.7	73.6	63.0	89.9	79.2			34.4	23.8
	9			38.2	26.2	54.4	42.4	70.7	58.7	86.9	74.9	103.1	91.1	38.7	26.7
	10			35.2	21.9	51.5	38.1	67.7	54.4	83.9	70.6	100.2	86.8	43.0	29.7
	11					48.5	33.8	64.7	50.1	81.0	66.3	97.2	82.5	47.3	32.7
	12					45.5	29.5	61.8	45.8	78.0	62.0	94.2	78.2	51.6	35.6
JAT92S	5	48.0	39.5	71.3	62.8									30.3	21.8
	6	43.7	33.5	66.9	56.7	90.2	80.0							35.6	26.1
	7	39.3	27.4	62.6	50.7	85.8	73.9	109.1	97.2					42.4	30.5
	8	34.9	21.4	58.2	44.6	81.5	67.9	104.7	91.2	128.0	114.4			48.4	34.9
	9			53.8	38.6	77.1	61.8	100.4	85.1	123.6	108.4	146.9	131.6	54.5	39.2
	10			49.5	32.5	72.8	55.8	96.0	79.0	119.3	102.3	142.6	125.6	60.6	43.6
	11					68.4	49.7	91.7	73.0	114.9	96.3	138.2	119.5	66.6	47.9
	12					64.0	43.7	87.3	66.9	110.6	90.2	133.8	113.5	72.7	52.3
JAT105S	5	64.6	57.7	99.2	92.4									46.2	39.3
	6	56.7	48.5	91.4	83.1	126.0	117.8							55.4	47.2
	7	48.9	39.3	83.5	73.9	118.2	108.5	152.8	143.2					64.6	55.0
	8	41.0	30.0	7507.0	64.7	110.3	99.3	144.9	133.9	179.6	168.6			73.9	62.9
	9			67.8	55.4	102.4	90.1	137.1	124.7	171.7	159.3	206.3	194.0	83.1	70.7
	10			59.9	46.2	94.6	80.8	129.2	115.5	163.9	150.1	198.5	184.7	92.3	78.6
	11					86.7	71.6	121.4	106.2	156.0	140.9	190.6	175.5	101.6	86.5
	12					78.9	62.4	113.5	97.0	148.1	131.6	182.8	166.3	110.8	94.3
JAT115S	5	81.4	51.3	124.4	94.3	167.4	137.3							77.7	47.6
	6	71.8	35.8	114.8	78.8	157.8	121.8							93.2	57.2
	7	62.3	20.0	105.3	63.0	148.3	106.0	191.3	149.0					109.0	66.7
	8			95.8	48.0	138.8	91.0	181.8	134.0	224.8	177.0			124.0	76.2
	9			86.3	32.0	129.3	75.0	172.3	118.0	215.3	161.0	258.3	204.0	140.0	85.7
	10					119.7	60.0	162.7	103.0	205.7	146.0	248.7	189.0	155.0	95.3
	11					110.0	44.0	153.0	87.0	196.0	130.0	239.0	173.0	171.0	105.0
	12							144.0	72.0	187.0	115.0	230.0	158.0	186.0	114.0
JAT125S	5	131	104	192	166									80	53
	6	120	88	182	150	243	211							96	64
	7	110	72	171	134	232	195	294	257					112	74
	8	99	56	161	118	222	179	283	241	345	302			128	85
	9			150	102	211	163	273	225	334	286	395	347	144	96
	10			139	86	201	147	262	209	323	270	385	331	160	106
	11					190	131	251	193	313	254	374	315	175	117
	12					179	115	241	177	302	2038	363	299	191	127
JAT140S	5	188	144	280	236									133	89
	6	170	117	263	209	355	302							160	107
	7	152	90	245	183	337	275	430	368					187	125
	8	135	64	227	156	319	249	412	341	504	433			213	142

单作用执行器输出扭矩（单位：Nm） Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring														弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		3Bar		4Bar		5Bar		6Bar		7Bar		8Bar			
型号 Model	弹簧数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
JAT140S	9			209	129	302	222	394	314	486	407	579	499	240	160
	10			191	103	284	195	376	288	469	380	561	472	267	178
	11					266	169	358	261	451	353	543	446	293	196
	12					248	142	341	234	433	327	525	419	320	214
JAT160S	5	286	222	427	362									201	136
	6	259	182	400	322	541	463							241	163
	7	232	141	373	282	513	423	654	564					281	190
	8	205	101	345	242	486	383	627	524	768	664			321	218
	9			318	202	459	343	600	483	741	624	881	765	361	245
	10			291	162	432	303	573	443	713	584	854	725	401	272
	11					405	263	545	403	686	544	827	685	441	299
	12					377	222	518	363	659	504	800	645	481	326
JAT190S	5	448	332	675	559									349	232
	6	402	262	629	489	856	716							418	278
	7	356	192	582	419	809	646	1036	873					488	325
	8	309	123	536	350	763	576	990	803	1217	1030			558	371
	9			490	280	717	507	943	733	1170	960	1397	1187	627	418
	10			443	210	670	437	897	664	1124	891	1351	1117	697	464
	11					624	367	851	594	1077	821	1304	1048	767	510
	12					577	297	804	524	1031	751	1258	978	837	557
JAT210S	5	638	468	950	780									467	297
	6	579	375	890	687	1202	998							560	356
	7	519	282	831	593	1143	905	1455	1217					654	416
	8	460	188	772	500	1083	812	1395	1123	1707	1435			747	475
	9			712	407	1024	718	1336	1030	1647	1342	1959	1653	840	535
	10			653	313	965	625	1276	937	1588	1248	1900	1560	934	594
	11					905	531	1217	843	1529	1155	1840	1467	1027	653
	12					846	438	1158	750	1469	1062	1781	1373	1121	713
JAT240S	5	963	666	1452	1155									799	503
	6	862	506	1351	995	1840	1484							959	603
	7	762	346	1250	835	1739	1324	2228	1812					1119	704
	8	661	187	1150	675	1639	1164	2127	1652	2616	2141			1279	804
	9			1049	515	1538	1004	2027	1492	2525	1981	3004	2470	1439	905
	10			949	355	1437	844	1926	1333	2415	1821	2903	2310	1599	1005
	11					1337	684	1825	1173	2315	1661	2803	2150	1759	1106
	12					1236	524	1725	1013	2213	1501	2702	1990	1919	1207
JAT270S	5	1431	1028	2118	1715									1033	630
	6	1305	821	1992	1508	2679	2195							1240	756
	7	1179	615	1866	1302	2553	1989	3240	2676					1446	882
	8	1053	408	1740	1095	2427	1782	3114	2469	3801	3156			1653	1008
	9			1614	889	2301	1576	2988	2263	3675	2950	4363	3637	1860	1134
	10			1488	682	2175	1369	2862	2056	3549	2743	4237	3430	2066	1260
	11					2049	1162	2736	1849	3423	2536	4111	3223	2273	1386
	12					1923	956	2610	1643	3297	2330	3985	3017	2480	1512

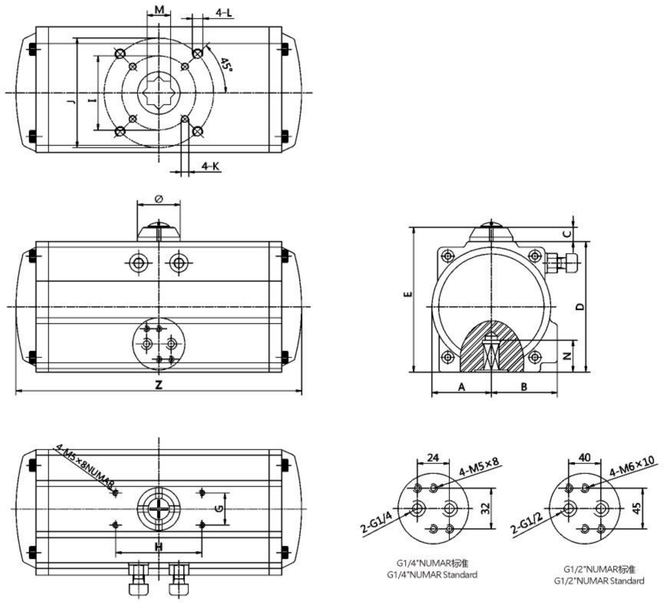
单作用执行器输出扭矩（单位：Nm） Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring												弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		2.5Bar		3Bar		3.5Bar		4Bar		4.5Bar			
型号 Model	弹簧数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
JAT300S	S05	1097	729									1061	730
	S06	935	494	1316	875	1697	1274					1273	876
	S07	772	258	1153	639	1535	1038	1916	1402			1485	1022
	S08			991	403	1373	802	1754	1166	2138	1546	1697	1168
	S09							1592	930	1976	1310	1909	1314
	S10							1430	695	1814	1074	2122	1460
	S11									1652	838	2334	1606
	S12											2546	1752
JAT350S	S05	1553	964									1702	1173
	S06	1292	586	1863	1157	2432	1738					2043	1408
	S07	1031	208	1602	779	2171	1360	2745	1922			2383	1642
	S08			1341	401	1910	980	2484	1544	3053	2117	2724	1877
	S09							2224	1165	2792	1739	3064	2112
	S10							1963	787	2531	1361	3405	2346
	S11									2270	983	3745	2581
	S12	数据提供										40856	2816
JAT400S	S07	2028	869									2880	1837
	S08	1736	411	2550	1125	3369	2841					3292	2100
	S09			2259	768	3078	2484	3887	2396			3703	2362
	S10			1967	311	2787	2127	3595	1939	4415	3755	4115	2624
	S11							3303	1482	4124	3398	4526	2887
	S12							3012	1025	3833	3041	4938	3149
	S13											5349	3412
	S14											5761	3674
	S15											6172	3937
	S16											6584	4199

单作用执行器输出扭矩（单位：Nm） Spring Return Actuator Output Torque(Unit:Nm)

气源克服弹簧输出力矩 Output torque of air to spring												弹簧输出力矩 Output torque spring	
气源气压 Air supply pressure		5Bar		5.5Bar		6Bar		7Bar		8Bar			
型号 Model	弹簧数量 Spring Qty	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End	开始 Start	结束 End
JAT300S	S05											1061	730
	S06											1273	876
	S07											1485	1022
	S08	2517	1929	3739	2073	3118	2456					1697	1168
	S09	2355	1693	2577	1837	2956	2221	3719	2984	4482	3747	1909	1314
	S10	2193	1458	2415	1601	2793	1985	3556	2748	431	3511	2122	1460
	S11	2030	1222	2253	1365	2631	1749	3394	2514	4157	3275	2334	1606
	S12	1868	986									2546	1752
JAT350S	S05											1702	1173
	S06											2043	1408
	S07											2383	1642
	S08	3626	2686	3934	2881	4508	3449					2724	1877
	S09	3366	2307	3673	2503	4247	3071	5390	4212	6532	5356	3064	2112
	S10	3105	1929	3412	2125	3986	2693	5129	3836	6271	4978	3405	2346
	S11	2844	1551	3151	1747	3726	2314	4869	3457	6011	4599	3745	2581
	S12	2584	1172									40856	2816
JAT400S	S07											2880	1837
	S08											3292	2100
	S09											3703	2362
	S10	5223	3567	5752	5026	6559	4738					4115	2624
	S11	4931	3110	5461	4669	6268	4281	7895	5908	9523	7536	4526	2887
	S12	4640	2653	5170	4312	5976	3823	7603	5450	9231	7078	4938	3149
	S13	4348	2195	4879	3955	5685	3366	7312	4993	8940	6621	5349	3412
	S14	4057	1738	4588	3598	5393	2909	7020	4536	9648	6164	5761	3674
	S15	3765	1281	4297	3241	5101	2452	6728	4079	8356	5707	6172	3937
	S16											6584	4199

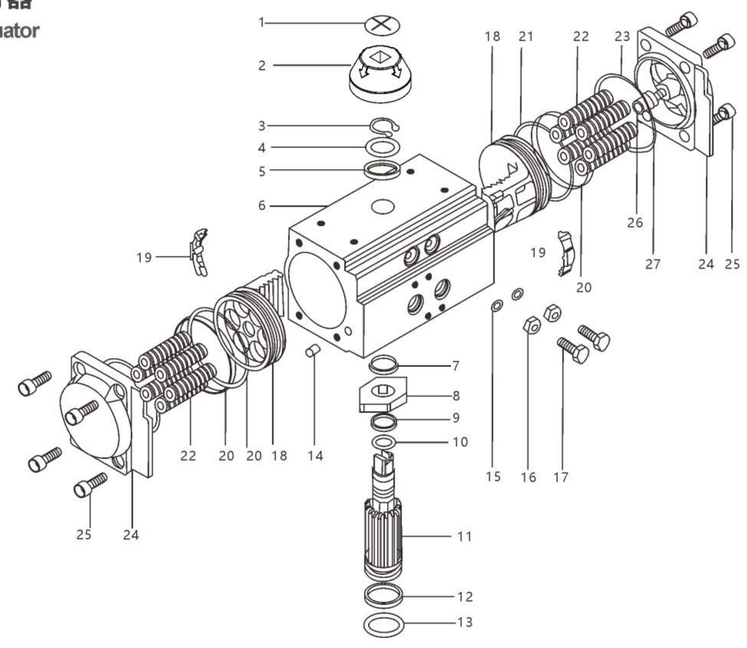
JAT型气动执行器
JAT Pneumatic actuator



外形连接尺寸 Overview Dimension

型号Model		A	B	C	D	E	G	H	I	J	K	L	M	N	Z	¢	气源接口 Air Supply
JAT-32	DA/SR	22.5	22.5	20	45	65	25	50	-	F03	-	M5×8	9×9	11	110	34	G1/8"
JAT-40	DA/SR	24	34.5	20	60	80	30	50	F03	F05	M5×8	M6×10	9×9	11	126	34	G1/8"
JAT-52	DA/SR	30.5	41.5	20	73	93	30	80	F03	F05	M5×10	M6×10	11×11	15	145	34	G1/4"
JAT-63	DA/SR	36.5	47	20	88.5	108.5	30	80	F05	F07	M6×10	M8×12	14×14	18	169	34	G1/4"
JAT-75	DA/SR	42.5	53	20	100.5	120.5	30	80	F05	F07	M6×10	M8×12	14×14	18	201	34	G1/4"
JAT-83	DA/SR	46.5	57	20	110	130	30	80	F05	F07	M6×10	M8×12	17×17	22	209	34	G1/4"
JAT-92	DA/SR	51	57.5	20	118	138	30	80	F05	F07	M6×10	M8×12	17×17	22	242	41	G1/4"
JAT-105	DA/SR	58	64	20	134	154	30	80	F07	F10	M8×12	M10×16	22*22	25	275	41	G1/4"
JAT-115	DA/SR	64.5	74.5	40	145	185	30	80	F07	F10	M8×12	M10×16	22×22	25	316	62	G1/4"
JAT-125	DA/SR	67.5	70	30	157	187	30	80	F07	F10	M8×16	M10×16	22×22	25	332	41	G1/4"
JAT-140	DA/SR	76	77	30	174	204	30	130	F10	F12	M10×16	M12×20	27×27	30	385	62	G1/4"
JAT-160	DA/SR	86.5	87.5	30	199	229	30	130	F10	F12	M10×16	M12×20	27×27	30	450	62	G1/4"
JAT-190	DA/SR	103	103	30	233	263	30	130	F10	F12	-	M12×20	36×36	34	507	62	G1/4"
JAT-210	DA/SR	113	113	30	257	287	30	130	-	F12	-	M12×20	36×36	34	562	79	G1/4"
JAT-240	DA/SR	129	129	30	293	323	30	130	-	F16	-	M20×24	36×36	34	646	79	G1/4"
JAT-270	DA/SR	146	146	30	333	363	30	130	-	F16	-	M20×24	46×46	52	722	79	G1/4"
JAT-300	DA/SR	162	174	30	350	380	30	130	-	F16	-	M20×25	46×46	50	760	80	G1/2"
JAT-350	DA/SR	190	195	30	410	440	30	130	F16	F22	-	8*M16×25	46×46	50	920	80	G1/2"
JAT-400	DA/SR	260	260	30	466	496	30	130	F16	F22	-	8*M16×25	46×46	50	940	80	G1/2"

JAT型气动执行器
JAT Pneumatic actuator



零件和材料 Parts and Materials

序号 No	零件名称 Parts name	数量 Qty	材料 Material	防腐处理 Anti-corrosive	可选材料 Optional materials
1	指示器螺钉 Indicator screw	1	塑料 Plastic		
2	指示器 Indicator	1	塑料 Plastic		
3	卡簧 Spring clip	1	不锈钢 Stainless steel		
4	垫圈 Washer	1	不锈钢 Stainless steel		
5	外垫片 Outer gasket	1	工程塑料 Engineering plastics		
6	缸体 Cylinder body	1	挤压型材6005 Extruded profile	硬质氧化等 Hard anodizing	
7	内垫片 Inner gasket	1	工程塑料 Engineering plastics		
8	凸轮 Cam	1	合金钢 Alloy steel		氟/硅橡胶 Viton/Silicone rubber
9	上轴O形圈 Oring(Pinion top)	1	丁腈橡胶 NBR		
10	上轴轴承 Bearing(Pinion top)	1	工程塑料 Engineering plastics		
11	齿轴 Pinion	1	合金钢 Alloy steel	镀镍 Nickel plating	不锈钢 Stainless steel
12	下轴轴承 Bearing(Pinion botom)	1	工程塑料 Engineering plastics		
13	下轴O形圈 Oring(Pinion botom)	1	丁腈橡胶 NBR		氟/硅橡胶 Viton/Silicone rubber
14	堵头 Plug	2	丁腈橡胶 NBR		氟/硅橡胶 Viton/Silicone rubber
15	调节螺钉O形圈 Adjusting screw Oring	2	丁腈橡胶 NBR		氟/硅橡胶 Viton/Silicone rubber
16	调节螺钉螺母 Adjusting screw nut	2	不锈钢 Stainless steel		
17	调节螺栓 Adjusting bolt	2	不锈钢 Stainless steel		
18	活塞 Piston	2	压铸铝/铸钢 Engineering plastics	氧化/镀锌 Oxidation/Zinc plating	不锈钢 Stainless steel
19	活塞导板 Piston guide	2	工程塑料 Engineering plastics		
20	活塞轴承 Piston bearing	2	工程塑料 Engineering plastics		
21	活塞O形圈 Piston Oring	2	丁腈橡胶 NBR		氟/硅橡胶/氢化丁腈 Viton/Silicone rubber/HNBR
22	弹簧 Spring	0-12	弹簧钢 Spring steel	浸漆 Dipping paint	
23	端盖O形圈 End cover Oring	2	丁腈橡胶 NBR		氟/硅橡胶/氢化丁腈 Viton/Silicone rubber/HNBR
24	端盖 End cover	2	压铸铝 Cast aluminum	粉末喷涂 Powder coating	
25	端盖螺栓 End cover bolt	8	不锈钢 Stainless steel		
26	限位螺栓 Limit bolt	2	不锈钢 Stainless steel		
27	限位螺母 Limit nut	2	不锈钢 Stainless steel		











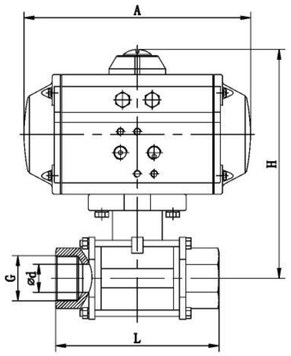



加

三片式气动螺纹球阀
3PC pneumatic threaded ball valve

Q611F-16P/R





- ◆公称直径：DN15-DN100
- ◆压力范围：≤1000 PSI(6.9 MPa)
- ◆介质温度：-20℃~+180℃
- ◆环境温度：-20℃~+60℃
- ◆阀体材质：不锈钢
- ◆密封：聚四氟乙烯
- ◆执行机构：铝合金
- ◆控制压力：3bar-8bar
- ◆控制功能：双作用、单作用
- ◆标准：Rp(BSP);Rc(BSPT);NPT
- ◆适用介质：水、气、油、酸、碱等

- ◆Nominal diameter: DN15-DN100
- ◆Pressure range: ≤1000PSI(6.9Mpa)
- ◆Medium Temp: -20℃~+180℃
- ◆Environment Temp: -20℃~+60℃
- ◆Body material: Stainless steel
- ◆Sealing: PTFE
- ◆Body of actuator: Aluminium alloy
- ◆Control pressure: 3bar-8bar
- ◆Control feature: Double acting、Single acting
- ◆Standard: Rp(BSP) ;Rc(BSPT); NPT
- ◆Applicable medium: water, gas, oil, acid, alkali, etc

外形连接尺寸 Overview Dimension

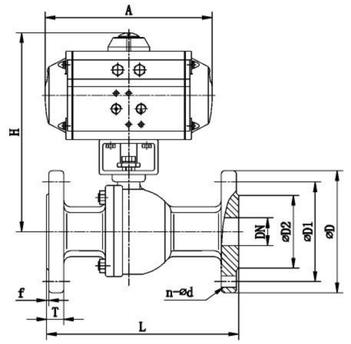
规格Size(G)	d	L	A	H	执行器Actuator
1/2"	15	75	153	131	JAT-052
3/4"	20	80	153	135	JAT-052
1"	25	90	153	145	JAT-052
1¼"	32	110	173	165.5	JAT-063
1½"	38	120	173	178.5	JAT-063
2"	50	140	187	197.5	JAT-075
2½"	65	185	216	225	JAT-083
3"	78	205	275	261	JAT-105
4"	98	240	316	316	JAT-115

二片式气动法兰球阀
2PC pneumatic flanged ball valve

Q641F-16P/R

- ◆公称直径：DN15-DN200
- ◆压力范围：1.6Mpa-6.4Mpa
- ◆介质温度：-20℃~+180℃
- ◆环境温度：-20℃~+60℃
- ◆阀体材料：不锈钢、铸钢
- ◆密封：聚四氟乙烯
- ◆执行机构：铝合金
- ◆控制压力：3bar-8bar
- ◆控制功能：双作用、单作用
- ◆标准：GB、ANSI、DIN、JIS
- ◆适用介质：水、气、油、酸、碱等
- ◆法兰标准：JB、GB、ISO、HG、ASME、JIS等





- ◆Nominal diameter: DN15-DN200
- ◆Pressure range: 1.6Mpa-6.4Mpa
- ◆Medium Temp: -20℃~+180℃
- ◆Environment Temp: -20℃~+60℃
- ◆Body material: Stainless steel、Cast steel
- ◆Sealing: PTFE
- ◆Body of actuator: Aluminium alloy
- ◆Control pressure: 3bar-8bar
- ◆Control feature: Double acting、Single acting
- ◆Standard: GB、ANSI、DIN、JIS
- ◆Applicable medium: water, gas, oil, acid, alkali, etc
- ◆Flange standards: JB, GB, ISO, HG, ASME, JIS, etc.

外形连接尺寸 Overview Dimension

DN	L	T	f	D	D1	D2	H	A	n-Φd	执行器 Actuator
DN15	130	14	2	95	65	45	144	153	4-Φ14	JAT-052
DN20	140	14	2	105	75	55	150	153	4-Φ14	JAT-052
DN25	150	14	2	115	85	65	168.5	173	4-Φ14	JAT-063
DN32	165	16	2	135	100	78	177.5	173	4Φ18	JAT-063
DN40	180	16	3	145	110	85	202..5	187	4-Φ18	JAT-075
DN50	200	16	3	160	125	100	210	216	4-Φ18	JAT-083
DN65	220	18	3	180	145	120	283	275	4-Φ18	JAT-105
DN80	250	20	3	195	160	135	336	316	8-Φ18	JAT-115
DN100	280	20	3	215	180	155	352	332	8-Φ18	JAT-125

NPS	L	T	f	D	D1	D2	H	A	n-Φd	执行器 Actuator
1/2"	108	9.6	1.6	90	60. 3	35	188.5	173	4-Φ15	JAT-063
3/4"	117	10.5	1.6	100	69.9	43	203.5	187	4-Φ15	JAT-075
1"	127	11.2	1.6	110	79.4	51	213.5	187	4-Φ15	JAT-075
1-1/4"	140	12.8	1.6	115	88.9	64	235	216	4Φ15	JAT-083
1-1/2"	165	14.3	1.6	125	98.4	73	277	275	4-Φ15	JAT-105
2"	178	15.9	1.6	150	120.7	92	330	316	4-Φ19	JAT-115
2-1/2"	190	17.5	1.6	180	139.7	105	355	332	4-Φ19	JAT-125
3"	203	19.1	1.6	190	152.4	127	391	385	4-Φ19	JAT-140
4"	229	23.9	1.6	230	190.5	157	434	450	4-Φ19	JAT-160
5"	256	23.9	1.6	280	215.9	186	531	507	8-Φ22	JAT-190
6"	394	25.4	1.6	345	241.3	216	602	646	8-Φ22	JAT-240
8"	457	28.6	1.6	405	298.5	270	641	722	8-Φ22	JAT-270

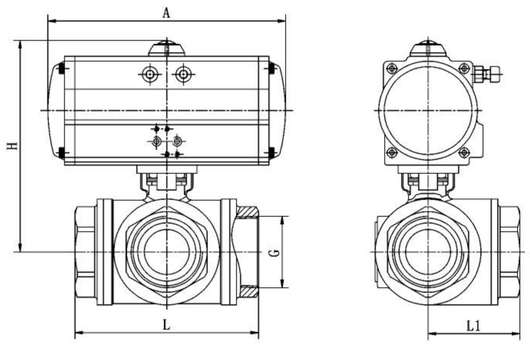
三通气动螺纹球阀
3-Way Pneumatic thread ball valve

Q614（5）F-16P/R



◆公称直径：DN15-DN50
◆压力范围：≤1000 psi(6.9 mpa)
◆介质温度：-20℃~ + 180℃
◆环境温度：-20℃~ + 60℃
◆阀体材料：不锈钢、铸钢
◆密封：聚四氟乙烯
◆执行机构：铝合金
◆控制压力：3-8bar
◆控制功能：双作用、单作用
◆标准：L型,T型
◆标准：Rp(BSP);Rc(BSPT);NPT
◆适用介质：水、气、油、酸、碱等

◆Nominal diameter：DN15-DN50
◆Pressure range：≤1000PSI （6.9Mpa)
◆Medium Temp：-20℃~+180℃
◆Environment Temp：-20℃~+60℃
◆Body material：Stainless steel、Cast steel
◆Sealing:PTFE
◆Body of actuator：Aluminium alloy
◆Control pressure：3-8bar
◆Control feature：Double acting、Single acting
◆Standard：L-type、T-type
◆Standard：Rp(BSP) ;Rc(BSPT); NPT
◆Applicable medium: water, gas, oil, acid, alkali, etc



外形连接尺寸 Overview Dimension

通径DN	英寸"	外形连接尺寸 Overview Dimension			
mm	inch(G)	L	L1	H	A
10	3/8"	60	30	57	110
15	1/2"	72	36	68	110
20	3/4"	85	42	70	110
25	1"	91	46	80	140
32	1¼"	110	55	85	140
40	1½"	122	61	100	180
50	2"	145	72	110	180

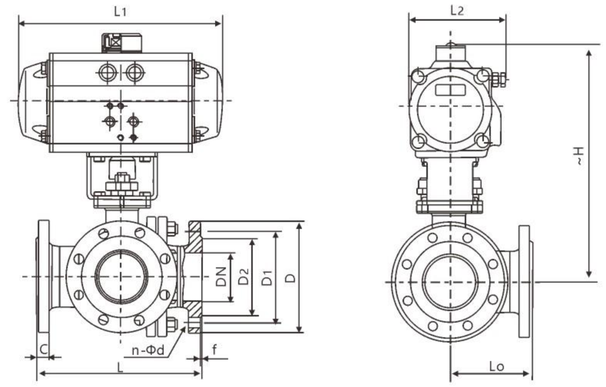
气动三通法兰球阀
Pneumatic Three-way Flange Ball Valve

Q644(5)F(N、P、H、Y)-PN16、25



◆公称直径：DN15-DN200
◆压力范围：1.6Mpa-2.5Mpa
◆介质温度：-20℃~ + 180℃
◆环境温度：-20℃~ + 60℃
◆阀体材料：不锈钢、铸钢
◆密封：聚四氟乙烯
◆执行机构：铝合金
◆控制压力：3-8bar
◆控制功能：双作用、单作用
◆标准：L型,T型
◆适用介质：水、气、油、酸、碱等
◆法兰标准：JB、GB、ISO、HG、ASME、JIS等

◆Nominal diameter：DN15-DN200
◆Pressure range：1.6Mpa-2.5Mpa
◆Medium Temp：-20℃~+180℃
◆Environment Temp：-20℃~+60℃
◆Body material：Stainless steel、Cast steel
◆Sealing:PTFE
◆Body of actuator：Aluminium alloy
◆Control pressure：3-8bar
◆Control feature：Double acting、Single acting
◆Standard：L-type、T-type
◆Applicable medium: water, gas, oil, acid, alkali, etc
◆Flange standards: JB, GB, ISO, HG, ASME, JIS, etc



主要外形及连接法兰尺寸Q644F(P、H、Y)-PN16(1.6MPa) Overview Dimension

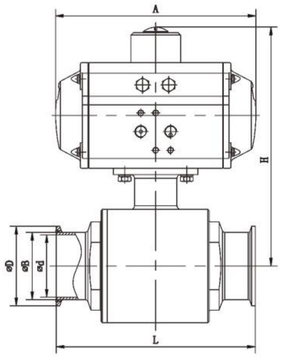
公称通径 Nominal diameter		外形尺寸 Dimension					连接尺寸Connecting Size					
mm	in	L	Lo	L1	L2	~H	D	D1	D2	C	f	n-Φd
15	1/2	150	72	141/159	71/83	240/235	95	65	46	14	2	4-Φ14
20	3/4	160	80	159/211	83/95	240/252	105	75	56	16	2	4-Φ14
25	1	180	90	211/248	95/107	257/265	115	85	65	16	2	4-Φ14
32	1 1/4	200	100	211/248	95/107	277/312	140	100	76	18	3	4-Φ18
40	1 1/2	220	110	248/269	107/123	292/317	150	110	84	18	3	4-Φ18
50	2	240	120	248/345	107/152	325/347	165	125	99	20	3	4-Φ18
65	2 1/2	260	130	315/409	141/172	357/389	185	145	118	20	3	4-Φ18
80	3	280	140	345/409	152/172	368/400	200	160	132	20	3	8-Φ18
100	4	320	160	409/550	172/215	410/498	220	180	156	22	3	8-Φ18
125	5	380	190	438/600	187/240	470/538	250	210	184	22	3	8-Φ18
150	6	440	220	550/633	215/262	556/591	285	240	211	24	3	8-Φ22
200	8	550	260	600/730	210/330	648/687	340	295	266	24	3	12-Φ22

气动卫生级快装球阀
Quick Install Ball Valve Pneumatic Health Level

Q681F-10P/R

◆介质温度：-20℃～+180℃
◆环境温度:-20℃～+60℃
◆公称压力:0~1.0MPa
◆控制气体：中性气体，空气
◆气源压力：0.3~0.8MPa
◆规格：Φ19-Φ159
◆阀体材质：CF8 CF8M
◆阀座材质：PTFE
◆阀杆材质:304
◆密封圈材质:NBR

◆Medium temperature: - 20 ℃ ~ + 180 ℃
◆Ambient temperature: - 20 ℃ ~ + 60 ℃
◆Nominal pressure: 0 ~ 1.0 MPa
◆Control gas, gas, air
◆Air pressure: 0.3 ~ 0.8 MPa
◆Specification: Φ19-Φ159
◆The valve body material: CF8 CF8M
◆Seat material:PTFE
◆Stem material: 304
◆Sealing ring material: NBR



型 号 model	L	d	D	A	H	执行器 Actuator
Φ19	108	16	50.5	146	144	AT50
Φ25	112	22	50.5	146	149	AT50
Φ32	125	29	50.5	146	156	AT50
Φ38	135	35	50.5	163	180	AT63
Φ45	150	42	64	163	192	AT63
Φ51	160	48	64	214	205	AT75
Φ57	170	53	77.5	214	212	AT75
Φ63	178	59	77.5	252	225	AT88
Φ76	220	72	91	252	230	AT88
Φ89	240	85	106	270	265	AT100
Φ102	270	97	119	316	295	AT115
Φ114	320	108	130	316	300	AT115
Φ133	400	125	145	354	312	AT125
Φ159	480	150	172	350	350	AT145

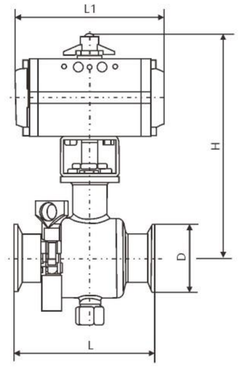
气动卫生级球阀
Sanitary pneumatic ball valve

Q681F-10P/R

◆公称直径：1/2"~4"
◆压力范围：0 - 1.0 MPa
◆介质温度：-20℃~+180℃
◆环境温度：-20℃~+60℃
◆阀体材质：不锈钢
◆密封：聚四氟乙烯
◆执行机构：铝合金
◆控制压力：3bar-8bar
◆控制功能：双作用、单作用
◆标准：DIN,ISO,SMS,3A,IDF
◆适用介质：水、气、油、酸、碱等

◆Nominal diameter: 1/2"~4"
◆Pressure range: 0-1.0Mpa
◆Medium Temp: -20℃~+180℃
◆Environment Temp: -20℃~+60℃
◆Body material: Stainless steel
◆Sealing: PTFE
◆Body of actuator: Aluminium alloy
◆Control pressure: 3bar-8bar
◆Control feature: Double acting、Single acting
◆Standard: DIN,ISO,SMS,3A,IDF
◆Applicable medium: water, gas, oil, acid, alkali, etc





外形连接尺寸 Overview Dimension

公称通径(NPS)	外形连接尺寸 Overview Dimension				执行器型号 Actuator Model
	D	L	L1	H	
1/2"	34/50.5	101	141/159	172	JATD52/JATS63
3/4"	34/50.5	117	141/159	190	JATD52/JATS63
1"	50.5	125	159/211	199	JATD63/JATS75
1¼"	50.5	140	159/211	212	JATD63/JATS75
1½"	50.5	155	211/248	226	JATD75/JATS92
2"	64	165	248/269	257	JATD83/JATS105
2½"	91	170	248/269	279	JATD92/JATS105
3"	106	176	269/315	321	JATD105/JATS125
4"	119	220	315/409	355	JATD125/JATS140

备注：根据不同的阀门扭矩，不同的气源压力及不同的实际工况，选择相匹配的执行器其相关外形尺寸也随之变化
Note: Depending on the valve torque, different air pressure and different physical conditions, choose to match its associated actuator dimensions also changes

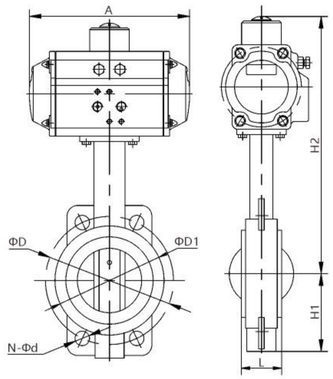
气动对夹蝶阀
Pneumatic wafer butterfly valve

D671X-16C

◆公称直径：DN40-DN300
◆压力范围：0-1.0MPa
◆工作温度：-20℃~+160℃
◆阀体：灰色铸铁，球墨铸铁，铸钢、不锈钢
◆阀瓣：球墨铸铁，铸钢，不锈钢、镍合金
◆特点：双向密封零泄漏，无销钉结构
◆介质：饮用水、污水、高纯度水、海水、空气
◆密封：NBR,EPDM,FPM,聚四氟乙烯
◆控制压力：3bar-8bar



◆Nominal diameter：DN40-DN300
◆Pressure range：0-1.0Mpa
◆Working Temp：-20℃~+160℃
◆Body：gray cast-iron、ductile cast iron、
Cast steel、Stainless steel
◆Disc：ductile cast iron、Cast steel、
Stainless steel、nickel alloy
◆Features: Two-way seal zero leakage, no pin structure
◆Medium：drinking water、sewage、
high purity water、seawater、air
◆Sealing：NBR;EPDM;FPM,PTFE
◆Control pressure：3bar-8bar



气动执行器主要技术参数 Pneumatic Actuator Main Technical Parameters

气动执行器 Pneumatic actuators	型号Model	JAT系列、AT系列、AW系列
	气源压力Air pressure	0.3MPa~0.8MPa
	旋转角度Angle of rotary	0°~90°
	回信器Limit switch	APL-210,APL-310,APL-410,APL-510
	控制信号Control signal	电信号Electric signal：0~10mA 4mA~20mA 气信号Gas signal：0.02MPa~0.1MPa
	控制气源Control air supply	洁净、干燥压缩空气Clean, dry compressed air
	工作温度Working temperature	-20℃~+80℃

外形连接尺寸 Overview Dimension

单位（mm）

DN	L	H1	H2	A	D	D1	N-Φd	执行器型号 Actuator Model
50	42	80	276	163	120	118	4-18	AT063
65	44.7	89	290	163	136.2	137	4-18	AT063
80	45.2	95	296	163	160	143	8-18	AT063
100	52	114	332	214	185	156	8-18	AT075
125	54.4	127	358	252	215	190	8-18	AT088
150	55.8	139	383	270	238	212	8-22	AT100
200	60.6	175	457	354	295	268	12-22	AT125
250	65.6	203	510	418	357	325	12-26	AT145
300	76.9	242	577	450	407	403	12-26	AT160

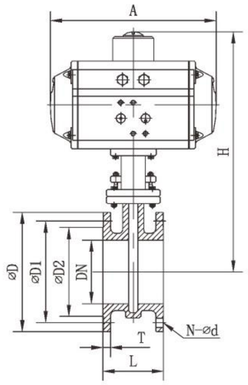
气动法兰蝶阀
Pneumatic Flange Butterfly Valves

D641X-16C

◆介质温度：-20℃~+150℃
◆环境温度:-20℃~+60℃
◆公称压力:0~1.6MPa
◆控制气体：中性气体，空气
◆气源压力：0.3~0.8MPa
◆规格：DN50-DN600
◆阀体材质：WCB CF8 CF8M
◆阀板材质：WCB Cf8 CF8M
◆阀座材质：EPDM NBR FPM
◆阀杆材质:304
◆密封圈材质:NBR



◆Medium temperature: - 20 ℃ ~ + 150 ℃
◆Ambient temperature: - 20 ℃ ~ + 60 ℃
◆Nominal pressure: 0 ~ 1.6 MPa
◆Control gas, gas, air
◆Air pressure: 0.3 ~ 0.8 MPa
◆Specification:DN50~DN600
◆The valve body material: WCB CF8 CF8M
◆The valve material: WCB Cf8 CF8M
◆The seat material: EPDM, NBR FPM
◆Stem material: 304
◆Sealing ring material: NBR



型 号 model	L	D	D1	D2	T	A	H	N-d	执行器 Actuator
DN50	108	165	125	102	20	214	320	4-18	AT75
DN65	112	185	145	122	20	214	323	4-18	AT75
DN80	114	200	160	133	22	214	335	8-18	AT75
DN100	127	220	180	158	24	252	390	8-18	AT88
DN125	140	250	210	184	26	270	408	8-18	AT100
DN150	140	285	240	212	28	316	458	8-22	AT115
DN200	152	340	295	268	28	354	512	12-23	AT125
DN250	165	405	335	320	30	418	570	12-26	AT145
DN300	178	460	410	370	30	450	640	16-26	AT160
DN350	190	520	470	430	30	518	700	16-23	AT190
DN400	216	580	525	484	32	530	755	16-30	AT210
DN450	222	640	585	532	32	660	772	16-30	AT240
DN500	229	715	650	585	34	730	852	16-26	AT270
DN600	267	840	770	685	36	880	930	16-30	AT300

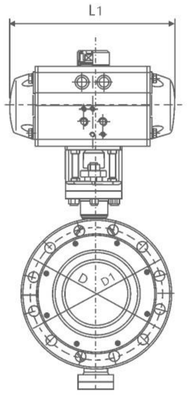
气动法兰三偏心蝶阀（硬密封、四氟密封）
Pneumatic Flange Triple Eccentric Butterfly Valve

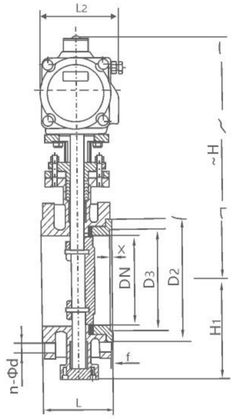
D643(H、Y、F)-16(1.6Mpa)

- 质量保证：ISO9001
- 设计：参照GB12338，MSS - SP - 68
- 结构体长度：参照GB12221 - 89
- 法兰标准：JB/T79.1 - 94；ANSI；JIS；DIN及其它标准
- 测试标准：GB/T4213 - 92，API598

- Quality assurance: ISO9001
- Design: Refer to GB12338, MSS-SP-68
- Structure length: refer to GB12221 - 89
- Flange standards: JB/T79.1-94; ANSI; JIS; DIN and other standards
- Test standard: GB/T4213-92, API598







主要外形及连接尺寸D643(H、Y、F)-16(1.6Mpa)

公称通径 DN	外形尺寸 Dimension					连接尺寸Connecting Size				
	L	L1	L2	H	H1	D	D1	D2	f	n-Φd
50	108	164/214	75/91	277/205	65	165	125	99	3	4-Φ18
65	112	164/214	75/91	287/315	75	185	145	118	3	4-Φ18
80	114	190/246	91/101	365/375	85	200	160	132	3	8-Φ18
100	127	210/295	101/112	420/436	130	220	180	156	3	8-Φ18
125	140	247/398	112/139	436/462	175	250	210	184	3	8-Φ18
150	140	308/478	139/176	466/543	190	285	240	211	3	8-Φ22
200	152	378/724	176/228	593/665	215	340	295	266	3	12-Φ22
250	165	432/928	206/275	682/752	265	405	355	319	3	12-Φ26
300	178	524/928	228/275	725/772	305	460	410	370	4	12-Φ26
350	190	648/1033	275/324	832/880	340	520	480	429	4	16-Φ26
400	216	648/1129	275/380	862/968	360	580	525	480	4	16-Φ30
450	222	715/1845	324/527	945/1005	400	640	585	548	4	20-Φ30
500	229	795/1845	380/527	1058/1060	430	715	650	509	4	20-Φ33
600	267	795/2605	380/545	1108/1195	490	840	770	720	5	20-Φ36
700	292	1380/2605	1170/1255	1170/1255	555	910	840	794	5	24-Φ36
800	318	1860/2605	1325/1365	1325/1365	520	1025	950	901	5	24-Φ48

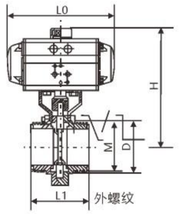
卫生级气动蝶阀
Sanitary pneumatic butterfly valve

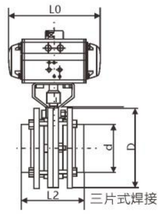
D681X-10P/R

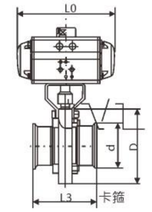
- 公称直径: DN15 - DN100
- 压力范围: 0-10bar
- 工作温度: -20℃~ + 120℃
- CSM密封:三元乙丙橡胶、硅橡胶
- 阀体: SS304;SS316L
- 阀瓣: SS304;SS316L
- 特点: 双向密封零泄漏，蝶板外圆球形设计，无销钉结构
- 介质: 饮用水、高纯度水,海水、空气
- 控制压力: 3bar-8bar
- 连接标准: 3A、DIN、ISO、SMS

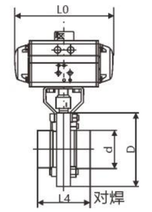
- Nominal diameter：DN15-DN100
- Pressure range：0-10bar
- Working Temp：-20℃~+120℃
- Sealing：EPDM,CSM,SIlicon rubber
- Body：SS304、SS316L
- Disc：SS304、SS316L
- Feature：Two-way sealing with zero leakage, outer spherical design of butterfly plate, no pin structure
- Medium：drinking water、high purity water、seawater、air
- Control pressure: 3bar-8bar
- Connection standard: 3A, DIN, ISO, SMS











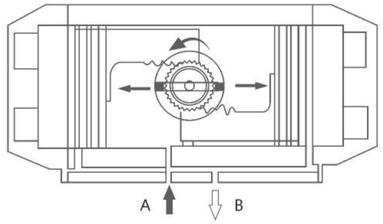
外形连接尺寸 Overview Dimension

公称通径 (DN)	外螺纹连接尺寸 External thread connection dimensions			三片式连接尺寸 3PC connection dimensions			卡箍连接尺寸 Tri-damp connection dimensions			对焊连接尺寸 Welded connection dimensions			L0	H	执行器型号 Actuator Model
	L1	D	M	L2	D	d	L3	D	d	L4	D	d			
15	66	78	RD34X1/8	100	78	19.05	66	78	50.5	66	78	19.05	141/141	157/557	JATD52/JATS52
20	66	78	RD44X1/6	100	78	25.4	66	78	50.5	66	78	25.4	141/141	157/557	JATD52/JATS52
25	66	78	RD52X1/6	100	78	31.8	66	78	50.5	66	78	31.8	141/141	157/557	JATD52/JATS52
32	70	86	RD58X1/6	100	86	38.1	70	86	50.5	70	86	38.1	141/141	157/557	JATD52/JATS52
40	76	102	RD65X1/6	104	102	50.8	76	102	50.5	76	102	50.8	141/141	171/180	JATD52/JATS63
50	80	115	RD78X1/6	112	115	63.5	80	115	64	80	115	63.5	141/141	169/169	JATD63/JATS63
65	84	128	RD95X1/6	112	128	76.1	84	128	91	84	128	76.1	159/211	194/208	JATD63/JATS75
80	90	139	RD110X1/4	120	139	88.9	90	139	106	90	139	88.9	159/248	200/224	JATD63/JATS83
100	104	159	RD130X1/4	128	156	101.6	102	156	119	102	156	101.6	211/248	220/242	JATD75/JATS92

备注：根据不同的阀门扭矩，不同的气源压力及不同的实际工况，选择相匹配的执行器其相关外形尺寸也随之变化

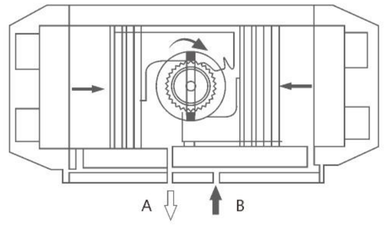
Note: Depending on the valve torque, different air pressure and different physical conditions, choose to match its associated actuator dimensions also changes

>1、双作用式(俯视图) Double Action (Planform)



压缩空气由A口输入，使左右活塞向相反方向运动，输出轴逆时针方向转动，打开阀门，两活塞侧面空气由B口排出。

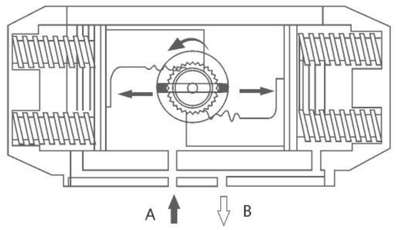
Air into Port A forces the pistons outwards, causing the pinion to turn counterclockwise while the air being exhausted from Port B.



压缩空气由B口输入，使左右活塞中心移动，输出轴顺时针方向转动，关闭阀门，两活塞中间的空气由A口排出。

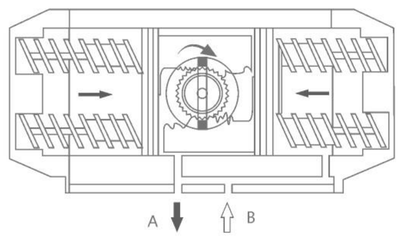
Air into Port B forces the pistons inwards, causing the pinion to turn clockwise while the air is being exhausted from Port A.

>2、单作用式(俯视图) Single Action (Planform)



压缩空气由A口输入，使左右活塞向相反方向运动，输出轴逆时针方向转动，打开阀门，两活塞侧面的空气由B口排出。

Air into Port A forces the pistons outwards, causing the springs to compress, the pinion turns counterclockwise while air is being exhausted from Port B.



失气或失电时，由于弹簧的作用使两活塞中心移动，输出顺时针方向转动，关闭阀门□ 空气由A口排除，B口进气可加速关闭阀门。

In the event of loss air pressure or power, the stored energy in the springs forces the pistons inwards. causing the pinion turns clockwise while air is being exhausted from Port A, and air to Port B can accelerate closing the valve.

注：

1、标准动作的旋转方向为顺时针关闭阀门，逆时针为打开阀门。

2、颠倒活塞装配的旋转方向为逆时针关闭阀门，顺时针为打开阀门。

Note:

1、The standard rotation is clockwise for closing the valve, while counter clockwise for opening.

2、If the assembly direction of the piston is reversed, then the standard roltion is counter clockwise for closing the valve, clockwise for opening.

故障与对策

Failure and Countermeasure

故障现象 Fault Phenomenon	检查项目 Check Item	对策 Countermeasure
气动阀门不能动作 Pneumatic vavle does not act	1、电磁阀是否正常，线圈是否烧坏，电磁阀芯是否被脏物卡死。 Does the solencid work normally?Is the circuit burned? Is the mandrel of the solenoid blocked by impurity?	更换电磁阀、更换线圈、清除脏物。 Replace the solenoid coil or remove the impurity
	2、对气动执行器单独供气试验，检查密封圈及气缸是否是损坏。 With air supplying the pneumatic actuator, are the o-rings or the cylinder broken?	更换已坏密封圈及气缸。 Replace the braken O - - rings and cylinder body
	3、阀内有杂质将阀芯卡住。 Is impurity blocking the valve?	清除杂质，更换已损件。 Clean out the impurity,replace the broken parts
	4、手动机构的手柄处在手动位置。 Is the handle of the manual equipment at the manual state ?	将手柄转到气动位置。 Put the hand le to the pneu matic state
动作迟缓、爬行 Acting slowly	1、气源压力不够。 Is the ar supply pressure rsufficient?	增加气源压力(0 m 4-0.7Mpa Improve the air pressure (0 m4-0.7Mpa)
	2、气动执行器输出扭矩过小。 Is the output torque of preumakc actuator not enough?	增大气动执行器的型号规格。 Select a bigger model of the pneumatic actu ator
	3.阀门闽芯或其他阀件装配太紧。 Is impurity blocking the valve?	重新装配调整。 Reassemble and adjust the valve
	4、气源管路堵塞，流量过小。 Is the air supply pipe blocked making the air flUX too small?	排除堵寒，更换过速器滤志。 Clean out the block, replece the filter stem
回信器无信号 The feedback has no signal	1、 电源线路短路或断路。 Is the power shorted out or stopped?	检修电源线路。 Check thec rou itry
	2、回信器内凸轮位置不准确。 Is the cam of the feedback in the incorrect position?	调整凸轮至正确位置 Adjust the cam to the corrent positicn
	3、微动开关损坏。 Is the igge on-off brcken?	更换微动开关 Replace the iiqq le on-off

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2

电动执行器及阀门系列
ELECTRIC ACTUATOR AND VALVE SERIES

专业生产 品质保证

Professional production， quality assurance





Kinko 金科流体

铸造辉煌，唯有品质
Casting brilliant, only has the quality























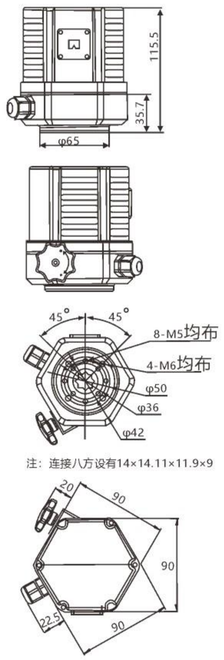


加

KK-03电动执行器
KK-03 Electric Actuator



KK-03 外观尺寸
KK-03 Appearance Size



性能参数 Performance Parameter

型号	Model	KK-03		
电源	Power supply(V)	DC24V	AC110V	AC220V
输出力矩	Output torque	24NM	24NM	24NM
90°动作时间	Action times(S)	12S	12S	12S
回转角度范围（°）	Scope of rotary angle（°）	0-90°	0-90°	0-90°
电机功率	Motor power(w)	4W	6.5W	5W
额定电流	Rated current (A)	1A	0.2A	0.1A
整机重量	Machine weight(kg)	1.5Kg	1.5Kg	1.5Kg
绝缘电阻	Insulation Resistance(MΩ)	DC24V:100MΩ/250VDC AC110V/220V:100MΩVDC		
耐压等级	Voltage Resistance Rating	DC24V:500VAC; AC110V/220V:1500VAC(1分钟 1Minute)		
防护等级	Protection Level	IP67		
安装方位	Installation Position	360°任意角度安装 Rotary range:360° Any position		
电气接口	Electrical connection	G1/2防水电缆接头，电源线，信号线各一个Each one G1/2 water-proof cable connectors,Electric power lines,Signal lines		
环境温度	Environment temerature	-20℃~+60℃		
控制电路选项	Control circuit options	标准型：极限位置开关 Standard type:Limit position switch A型：带中间位置开关 Atype:with mid-position switch		
可选功能	Optional function	除湿加热器 Dehumidification heater		

KK-02电动执行器
KK-02 Electric Actuator



产品概述：

• 工作电压：AC220V【AC85V-260V】、AC/DC24V
• 额定扭矩：30N·m
• 运行时间：约15秒
• 控制方式：4-20mA 0-20mA 0-5V 1-5V 0-10V 2-10V,【可选故障报警+A】
• 反馈方式：4-20mA 0-20mA 0-5V 1-5V 0-10V 2-10V
• 位置精确度：±1%(软件可设)
• 采用高性能无刷电机，内置过流过载保护

Product Overview:

· Working voltage: AC220V [AC85V-260V], AC/DC24V
· Rated torque: 30 N·m
· Running time: approximately 15 seconds
· Control mode: 4-20mA 0-20mA 0-5V 1-5V 0-10V 2-10V, [optional fault alarm+A]
· Feedback method: 4-20mA 0-20mA 0-5V 1-5V 0-10V 2-10V
· Position accuracy: ± 1% (software adjustable)
· Adopting high-performance brushless motor with built-in overcurrent and overload protection

产品选型：

• 采用1.3寸OLED大屏液晶，无视角限制，高亮度，节能环保，实时显示阀门开度及其外部控制命令，约5分钟后自动进入休眠状态，并在休眠期间提示位置状态及其控制命令。
• 独创免开盖交互式两步调阀模式：
第一步：通过按键控制阀门处于“关位标定”后保存；
第二步：通过按键控制阀门处于“开位标定”后保存；轻松完成调阀。彻底解决机械式定位开关阀位调整的繁琐和不便。
• 采用32位高性能CPU,12位高精度AD转换芯片，内置独特算法，彻底消除机械回差，极大的降低了阀门位置的控制误差。
• 内置电机控制模块，可对电机变频调速控制，实现精准定位。
• 采用非接触定位，控制单元模块化设计，并灌封处理，保证了元器件可靠工作，极大提高了产品的使用寿命；接口采用标准接插件，安装调试及其更换方便。
• 故障菜单实时提示(包含执行器被卡住或者其他原因导致的执行器开关不到位引起的故障),并可带故障报警信号输出。
• 通过菜单可实现阀门控制命令的交换。
• 通过菜单可实现远程控制和现场控制自动切换，并通过按键实现阀位的任意调整，内置电子限位，并提示限位状态。
• 通过菜单可实现关阀位置向开阀方向或者关阀方向偏移，极大的降低了“普通开关型机械定位”给现场调整带来的繁琐与不便。
• 系统可通过按键操作恢复出厂设置。

Product selection:

· Adopting a 1.3-inch OLED large screen LCD with no viewing angle limitation, high brightness, energy saving and environmental protection, real-time display of valve opening and external control commands, automatically entering sleep mode after about 5 minutes, and prompting position status and control commands during sleep.
· Unique non opening interactive two-step valve mode:
Step 1: Control the valve to the "closed calibration" position through the button and save it;
Step 2: Control the valve to the "open calibration" position through the button and save it; Easily complete valve adjustment. Thoroughly solve the tedious and inconvenient adjustment of mechanical positioning switch valve position.
· Adopting a 32-bit high-performance CPU, a 12 bit high-precision AD conversion chip, and a built-in unique algorithm, it completely eliminates mechanical hysteresis and greatly reduces control errors in valve position Poor.
· Built in motor control module, capable of variable frequency speed control of the motor, achieving precise positioning.
· Adopting non-contact positioning, modular design of the control unit, and encapsulation treatment ensures the reliable operation of the components, greatly improving the service life of the product; The interface adopts standard connectors, which are easy to install, debug, and replace.
· Real time fault menu prompt (including faults caused by actuator jamming or other reasons resulting in actuator switch not in place), and can output fault alarm signals.
· The exchange of valve control commands can be achieved through the menu.
· Remote control and on-site control can be automatically switched through the menu, and valve position can be adjusted arbitrarily through buttons. It has built-in electronic limit and prompts the limit status.
· Through the menu, the valve closing position can be shifted towards the valve opening or closing direction, greatly reducing the complexity and inconvenience of on-site adjustment caused by "ordinary switch type mechanical positioning".
· The system can restore factory settings through key operations.

KK-02电动执行器
KK-02 Electric Actuator

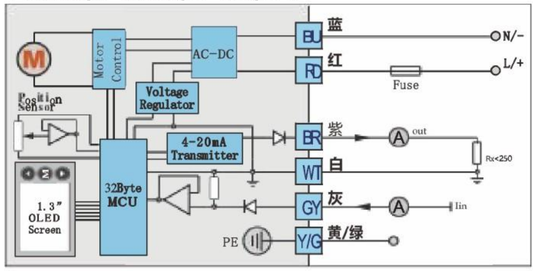
技术参数 Technical Parameters

电气参数 Electrical parameters	额定电压 Rated Voltage	AC230V50/60HZ)	AC/DC24V
	工作电压范围 Working voltage range	AC85-260V/DC100-300V	
	功耗@额定电压 Power consumption @ rated voltage	9.6W@运行0.12W保持 9.6W @ run 0.12W hold	9.6W@运行0.85W保持 9.6W @ run 0.85W hold
	峰值电流@额定电压 Peak current @ rated voltage	35mA@5ms@AC230V	350mA@5ms@DC24V
		75mA@5ms@AC110V	
	保险丝规格 Fuse specifications	1A	2A
	电气接口 electrical interface	7×0.2mm²电缆，耐压AC300V(导线长800mm) 7 × 0.2mm ² cable, withstand voltage AC300V (wire length 800mm)	
功能参数 Functional Parameters	额定扭矩 rated torque	20N.m@额定电压 20N. m @ rated voltage	
	回转角度 Rotation angle	90±2°	
	最大回转角度 Maximum rotation angle	360°	
	手动操作 manual operation	※配套六角扳手，在断电下使用 ※ Comes with a hexagonal wrench for use in the event of a power outage	
	运转时间 operating time	约10秒 About 10 seconds	
	运转频率 Operating frequency	非连续运转 周期≥1min Non continuous operation cycle ≥ 1 minute	
	噪声水平 noise level	最大50dB(A) Maximum 50dB (A)	
	位置指示 Position Indicator	机械指示器 Mechanical indicator	
工作条件 Working conditions	电气等级 Electrical grade	I类(接地保护) Class I (Grounding Protection)	III类(安全低压) Class III (Safe Low Voltage)
	阻燃等级 Flame retardant rating	1.6mmHB/UL94测试方法 1.6mmHB/UL94 testing method	
	防护等级 Protection rating	IP67 As Per En60529/GB4208-2008(所有方向) IP67 As Per En60529/GB4208-2008 (all directions) F型可加装除湿加热器 F-type can be equipped with a dehumidification heater	
	绝缘电阻 insulation resistance	100MΩ/1500VDC	100MΩ/500VDC
	耐压等级 Pressure Rating	1500VAC@1分钟 1500VAC@1 minute	500VAc@1分钟 500VAC@1 minute
	阀门配套的介质温度 Temperature of the medium matched with the valve	≤80℃可与执行器直联安装 ≤ 80 ℃ can be directly connected to the actuator for installation	
	工作环境 Working environment	※ >80℃需加装支架或散热装置 ※ >80 ℃ requires installation of brackets or heat dissipation devices	
		※室内或室外，长期雨淋或阳光直射的环境中 ※ Indoor or outdoor, in environments with long-term rain or direct sunlight	
		需加装防护装置，以保护执行器 Protective devices need to be installed to protect the actuator	
	防爆等级 Explosion-proof rating	⚠非防爆产品，安装应避免易燃易爆环境 Non explosion proof products should be installed in flammable and explosive environments	
	环境温度 Ambient temperature	-20℃-60℃(ABS/-20℃-80℃(压铸铝die cast aluminum)	
	非工作温度 Non working temperature	※ ≤-40℃ or ≥80℃	
	环境湿度 Ambient humidity	5-95%RH相对湿度，无结露 5-95% RH relative humidity, no condensation	
	冲击 impact	≤300m/S²	
	振动 vibration	※10 to 55 Hz,1.5 mm(双振幅dual amplitude)	
	安装方式 Installation Method	360°任意角度，需预留手动操作或接线空间 360 ° arbitrary angle, manual operation or wiring space needs to be reserved	
	维护 Maintenance	免维护 Maintenance-free	
规格尺寸/重量 Specification size/weight	尺寸(LXWXH) Size (LXWXH)	见“规格尺寸” See “Specification and Dimensions”	
	连接标准 Connection standards	ISO5211 F03、F04、F05	
	输出轴规格 Output shaft specifications	内八方或外四方 Eight inside or four outside directions	
	孔深/轴长 Hole depth/shaft length	≤15mm(内八方) ≤ 15mm (inner octagon)	
	重量 Weight	ABS材质0.8kg铝壳1kg ABS material 0.8kg aluminum shell 1kg	

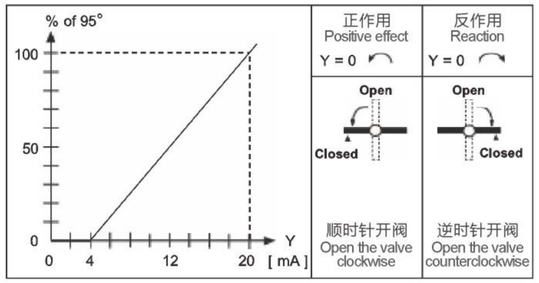
KK-02电动执行器
KK-02 Electric Actuator

控制接线图——01
Control wiring diagram - 01

4-20mA/0-20mA/0-10V/0-5V



转角-控制信号示意图
Corner Control Signal Diagram



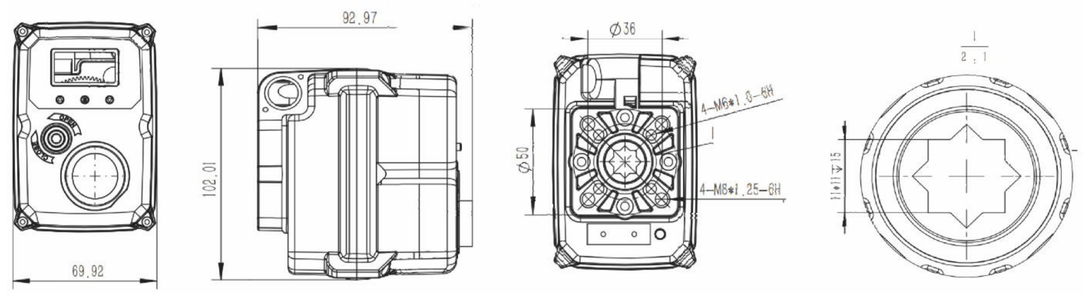
控制说明-【不带故障信号输出-7芯线】

1、使用之前确认工作电压、控制信号，※否则会导致控制模块损坏。(执行器侧边贴有参数表)
2、蓝色和红色为供电端。
3、紫色、白色、灰色为控制反馈端，此三线禁止接电源，※否则会导致控制模块损坏。
4、灰色是控制信号+:4-20MA,0-20MA,0-10V,0-5V等，输入阻抗参考对应接线图。
5、紫色是反馈信号+:4-20MA,0 -20MA,0-10V,0-5V等。
6、白色是控制和反馈信号的公共-
7、4-20MA、1-10V、1-5V可通过“用户设置”设置断开信号阀门执行的动作：全开，全关，保持，特殊位置。

Control instructions - [No fault signal output -7-core wire]

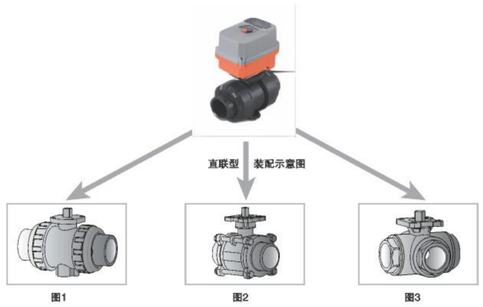
1. Confirm the operating voltage and control signal before use, otherwise it may cause damage to the control module. (Parameter table attached to the side of the actuator)
2. Blue and red are the power supply terminals.
3. Purple, white, and gray are control feedback terminals. These three wires must not be connected to the power supply, otherwise it may cause damage to the control module.
4. Gray is the control signal+: 4-20mA, 0-20mA, 0-10V, 0-5V, etc. The input impedance refers to the corresponding wiring diagram.
5. Purple is the feedback signal+: 4-20mA, 0-20MA, 0-10V, 0-5V, etc.
6. White is the common signal for control and feedback-
7. 4-20mA, 1-10V, 1-5V can be set through "user settings" to disconnect the signal valve and perform actions such as fully open, fully closed, hold, and special positions.

尺寸图
Dimension Drawing



KK-02电动执行器
KK-02 Electric Actuator

执行器与阀体安装
Installation of actuator and valve body



配套阀门要求
Requirements for supporting valves

阀体类型 Valve body type	推介装配条件 Recommended assembly conditions
对夹式蝶阀 Wafer type butterfly Valve	满足执行器扭矩≥2倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 2 times the maximum Torque of the valve
法兰式蝶阀 Flanged butterfly Valve	满足执行器扭矩≥1.7倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 1.7 times the maximum Torque of the valve
金属球阀 Metal ball Valve	满足执行器扭矩≥1.7倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 1.7 times the maximum Torque of the valve
塑料球阀 Plastic ball Valve	满足执行器扭矩≥1.5倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 1.5 times the maximum Torque of the valve

□1 球阀长期不动作，其第一次开阀或者关阀的扭矩值的最大者为最大扭矩。
□2 直联型安装时，由于孔深≤15mm, 如果阀门的输出轴>15mm则需要切割。
□3 如果自己配套支架和联轴节需注意以下事项：
※ 支架的强度要符合使用要求：执行器在开阀或者关阀切换过程中，支架扭动≤0.2mm。
※支架的平行度≤0.5mm。
※ 联轴节两端的轴孔加工应保证必要的精度和同心度，目的是最终确保机械回差小于10°,否则会导致执行器无法正常工作。
□4 螺钉上应该加装、弹垫、平垫，建议拧紧后在螺钉四周点密封胶，防止螺钉松动。
□5 安装完成后，应先用手柄驱动装置开关一次，确认工作正常后，再执行调阀步骤。

□1 If the ball valve does not operate for a long time, the maximum torque value for the first opening or closing of the valve is the maximum torque.
□2 When installing the direct connection type, if the hole depth is ≤ 15mm, and the output shaft of the valve is>15mm, it needs to be cut.
□3 If you need to provide your own bracket and coupling, please pay attention to the following:
The strength of the bracket should meet the requirements for use: the actuator should switch between opening or closing the valve
Medium, bracket twist ≤ 0.2mm.
The parallelism of the bracket is ≤ 0.5mm.
The machining of the shaft holes at both ends of the coupling should ensure the necessary accuracy and concentricity, with the ultimate goal of ensuring that the mechanical backlash is less than 10 °, otherwise it will cause the actuator to malfunction.
□4 Screws should be equipped with spring washers and flat washers. It is recommended to apply sealant around the screw after tightening to prevent loosening.
□5 After installation, the device should be turned on and off once using the handle drive, and after confirming that it is working properly, the valve adjustment steps should be executed.

使用环境
Usage environment

□ 本产品可以在室内或者室外使用。
□ 本产品属于非防爆产品，⚠请注意避开易燃易爆等环境。
□ 在长期有雨水或者阳光直射的环境下，※需要给执行器加装保护整个执行器的防护装置。
□ 注意执行器使用的环境温度。
□ 安装时需要考虑预留接线和维修的空间。
□ 在通电时，⚠不能拆开驱动装置和阀门。
□ 在通电时，⚠不能做配线工程。
□ 绝对禁止落下产品而给产品冲击，※这引起动作不良。
□ 绝对禁止踏上产品，※这引起驱动装置故障或人的掉下事故。
□ 雨天或在有水花状态，※绝对禁止做配线工程。
□ 导线接线处的高度要低于接线锁母的高度。

□ This product can be used indoors or outdoors.
□ This product is non explosion proof, please avoid environments that are flammable or explosive.
□ In environments with long-term rain or direct sunlight, it is necessary to install protective devices to protect the entire actuator.
□ Pay attention to the ambient temperature in which the actuator is used.
□ During installation, it is necessary to consider reserving space for wiring and maintenance.
□ When powered on, the drive device and valve cannot be disassembled.
□ During power on, wiring work cannot be carried out.
□ It is absolutely forbidden to drop the product and impact it, which may cause poor operation.
□ It is absolutely forbidden to step on the product, as this may cause a malfunction of the drive device or a falling accident.
□ Wiring work is absolutely prohibited on rainy days or in the presence of water splashes.
□ The height of the wire connection should be lower than the height of the wire locking nut.

KK-02电动执行器
KK-02 Electric Actuator

常见故障处理办法
Common troubleshooting methods

	故障现象 Common troubleshooting methods	故障原因 Failure cause	处理方法 Treatment method
□1	执行器无动作 The actuator has no action	△1 电源未接通 △1 The power supply is not connected	接通电源 Power on
		△2 电源电压过低或者不对 △2 The power supply voltage is too low or incorrect	检查电源是否为在正常工作电压范围内 Check if the power supply is within the normal operating voltage range
		△3 电机过载2秒后保护 △3 Motor overload protection after 2 seconds	检查阀门是否卡住或者阀门扭矩值过大 Check if the valve is stuck or if the valve torque value is too high
		△4 接线端子松动或者接触不良 △4 Loose or poor contact of wiring terminals	检查并正确连接接线端子 Check and connect the wiring terminals correctly
		△5 启动电容运行不良 △5 Poor operation of starting capacitor	与厂家联系维修 Contact the manufacturer for maintenance
□2	无反馈信号 No feedback signal	△1 用户采集信号线路不通 △1 User's signal collection line is not connected	接通用户信号采集部分 Connect the user signal acquisition section
		△2 4-20mA偏差较大 △2 4-20mA has a large deviation	通过菜单调整基准值 Adjust the benchmark value through the menu
		△3 4-20mA变送电路损坏 △3 4-20mA transmission circuit damaged	与厂家联系维修 Contact the manufacturer for maintenance
□3	执行器关闭不严 The actuator is not tightly closed	△1 使用反馈信号来控制执行器 △1 Use feedback signals to control actuators	接收到反馈信号并不表示执行器完全关到位， Receiving feedback signals does not indicate that the actuator is fully closed, 所以此时不能断电。 so power cannot be turned off at this time.
		△2 使用一段时间后，执行器与阀杆连接部位磨损导致机械回差增大 △2 After a period of use, the wear of the connection between the actuator and the valve stem leads to an increase in mechanical backlash	1.通过菜单对关阀位置进行偏移调整。 1. Adjust the offset of the valve closing position through the menu. 2.或与厂家联系维修. 2. Or contact the manufacturer for repair
□4	执行器内部进水 Water ingress inside the actuator	△1 进线电缆外径不符合规范 △1 The outer diameter of the incoming cable does not meet the specifications	与厂家联系维修 Contact the manufacturer for maintenance
		△2 进线口出防水处理不到位 △2 Insufficient waterproof treatment at the inlet and outlet	
		△3 执行器视镜片破损 △3 actuator lens damaged	
		△4 接线盖\顶盖\侧盖螺钉松动 △4 Wiring cover/top cover/side cover screws loose	

安全注意事项
Safety precautions

□ 为了长期安全使用本装置，请提前精读此说明书以便正确使用。
□ 注意项目是：本产品的规格、使用方法应明确，以防人身安全受到伤害及装置的损坏。
□ 为了明示危险和损坏的大小，在此把危险内容分为：“警告⚠”和“注意※”。
□ 两种内容都很重要，请必须遵守。
“警告⚠”:不遵守此标记的内容，可能引起人的死亡和重伤。
“注意※”:不遵守此标记的内容，可能引起人的轻伤或装置的损坏。
□ 资料如有更改，恕不另行通知

□ For long-term safe use of this device, please read this manual carefully in advance for proper use.
□ The note item is that the specifications and usage methods of this product should be clear to prevent personal safety from being injured and the device from being damaged.
□ To indicate the magnitude of danger and damage, the dangerous content is divided into "warning⚠" and "caution ※".
□ Both contents are important and must be followed.
Warning ⚠: Failure to comply with the content of this label may result in death and serious injury to individuals.
Attention※ : Failure to follow the content of this mark may result in minor injuries to individuals or damage to the device.
□ Information is subject to change without prior notice

KK-02K电动执行器
KK-02K Electric Actuator

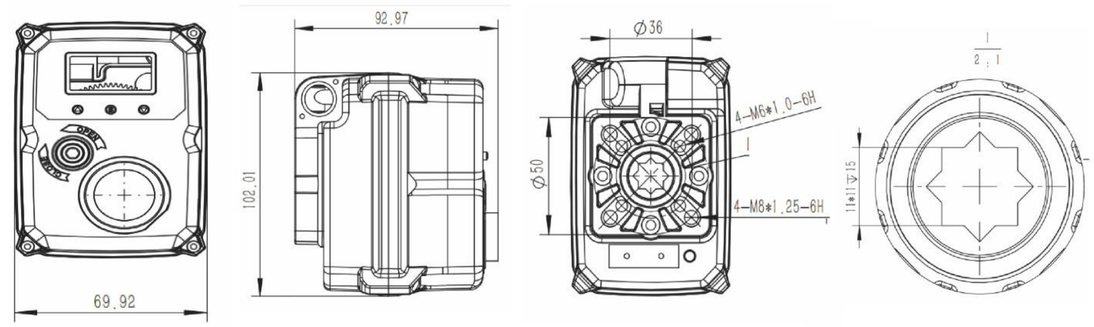


技术参数 Technical Parameters

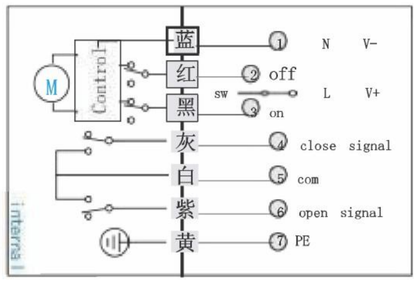
电气参数 Electrical parameters	工作电压 Working Voltage	DC24V 、AC24V 、AC85-260V
	功耗 power consumption	85W@运行 0.25W@保持 85W @ Run 0.25W @ Keep
	峰值电流 peak current	4A@5ms @额定电压 4A@5ms @Rated voltage
	电气接口 electrical interface	7×0.35mm² 电缆，耐压AC300V 7 × 0.35mm ² cable, withstand voltage AC300V
	保险丝规格 Fuse specifications	10A
	额定扭矩 rated torque	15N·m@额定电压 15N · m @ rated voltage
功能参数 Functional Parameters	回转角度 Rotation angle	90±2°
	最大回转角度 Maximum rotation angle	360°
	手动操作 manual operation	※配套六角扳手，在断电下使用 ※ Comes with a hexagonal wrench for use in the event of a power outage
	运转时间 operating time	约秒 About seconds
	运转频率 Operating frequency	非连续运转 周期≥1min Non continuous operation cycle ≥ 1 minute
	噪声水平 noise level	最大50dB(A) Maximum 50dB (A)
	位置指示 Position Indicator	机械指示器 Mechanical indicator
工作条件 Working conditions	电气等级 Electrical grade	Ⅲ类(安全低压) Class III (Safe Low Voltage)
	阻燃等级 Flame retardant rating	1.6mmHB/UL94测试方法 1.6mmHB/UL94 testing method
	防护等级 Protection rating	IP67 As Per En60529/GB4208-2008(所有方向) IP67 As Per En60529/GB4208-2008 (all directions)
	绝缘电阻 insulation resistance	100MΩ/500V DC
	耐压等级 Pressure Rating	500V AC 1分钟 500V AC for 1 minute
	阀门配套的介质温度 Temperature of the medium matched with the valve	≤80℃ 可与执行器直联安装 ≤ 80 ℃ can be directly connected to the actuator for installation ※ >80℃ 需加装支架或散热装置 ※ >80 ℃ requires installation of brackets or heat dissipation devices
	工作环境 Working environment	※室内或室外，长期雨淋或阳光直射的环境中 Indoor or outdoor, in environments with long-term rain or direct sunlight 需加装防护装置，以保护执行器 Protective devices need to be installed to protect the actuator
	防爆等级 Explosion-proof rating	⚠非防爆产品，安装应避免易燃易爆环境 Non explosion proof products should be installed in flammable and explosive environments
	环境温度 Ambient temperature	-20℃ 至 60℃ (ABS)
	非工作温度 Non working temperature	※ ≤-40℃ or ≥80℃
	环境湿度 Ambient humidity	5-95%RH 相对湿度，无结露 5-95% RH relative humidity, no condensation
	冲击 impact	≤300m/ S ²
	振动 vibration	※10 to 55 Hz,1.5 mm 双振幅dual amplitude
规格尺寸/重量 Specification size/weight	安装方式 Installation Method	360° 任意角度，需预留手动操作或接线空间 360 ° arbitrary angle, manual operation or wiring space needs to be reserved
	维护 Maintenance	免维护 Maintenance-free
	证书类型 Certificate Type	
	尺寸（LXWXH) Size (LXWXH)	见“规格尺寸” See 'Specification and Dimensions'
	连接标准 Connection standards	ISO5211 F03 、F04 、F05
	输出轴规格 Output shaft specifications	内八方Inner Eight Directions
	孔深/轴长 Hole depth/shaft length	≤15mm（内八方Inner Eight Directions）
	重量 Weight	1 kg

KK-02K电动执行器
KK-02K Electric Actuator

尺寸图
Dimension Drawing



控制接线图——01
Control wiring diagram - 01



接线图
Wiring diagram

接线说明：
⚠ 严格按照颜色接线，接错线将导致执行器损坏。
⚠ 执行器配备快速插头，请正确对应公母插头定位槽，将螺母拧紧
反馈信号触点带载能力，0.1A/250YAC ;0.5A/30YDC"
※ 在同一控制触点下不可将两台或多台执行器并联使用

控制说明：
当SW切换到红色，执行器顺时针旋转，到位后执行器自动停止，且白色与紫色接通，给出关位触点信号。
当SW切换到黑色，执行器逆时针旋转，到位后执行器白动停止，且白色与灰色接通，给出开位触点信号。
※ 当在运行中， 白色与灰色、紫色处于开路状态。"
※ 触点信号会稍提前于实际到位时刻，因此检测到触点信号不能断电。

Wiring instructions:
⚠ Strictly follow the color wiring, incorrect wiring will cause damage to the actuator.
⚠ The actuator is equipped with a quick plug. Please correctly match the male and female plug positioning slots and tighten the female plug
Feedback signal contact carrying capacity, 0.1A/250YAC; 0.5A/30YDC"
※ Two or more actuators cannot be used in parallel under the same control contact

Control instructions:
When the SW switches to red, the actuator rotates clockwise and automatically stops when it is in place, and the white and purple colors are connected, giving a signal for the closing contact.
When the SW switches to black, the actuator rotates counterclockwise, and when it is in place, the actuator stops moving in white, and the white and gray are connected, giving an open contact signal.
※ During operation, white, gray, and purple are in an open circuit state. "
※ The contact signal will be slightly earlier than the actual arrival time, so the power cannot be cut off when the contact signal is detected.

KK-02K电动执行器
KK-02K Electric Actuator

配套阀门要求
Requirements for supporting valves

阀体类型 Valve body type	推介装配条件 Recommended assembly conditions
对夹式蝶阀 Wafer type butterfly Valve	满足执行器扭矩≥2倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 2 times the maximum Torque of the valve
法兰式蝶阀 Flanged butterfly Valve	满足执行器扭矩≥1.7倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 1.7 times the maximum Torque of the valve
金属球阀 Metal ball Valve	满足执行器扭矩≥1.7倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 1.7 times the maximum Torque of the valve
塑料球阀 Plastic ball Valve	满足执行器扭矩≥1.5倍阀门最大扭矩 Meet the requirement of actuator torque ≥ 1.5 times the maximum Torque of the valve

□1 球阀长期不动作，其第一次开阀或者关阀的扭矩值的最大者为最大扭矩。
□2 直联型安装时，由于孔深≤15mm，如果阀门的输出轴>15mm则需要切割。
□3 如果自己配套支架和联轴节需注意以下事项：
※ 支架的强度要符合使用要求：执行器在开阀或者关阀切换过程中，支架扭动≤0.2mm。
※支架的平行度≤0.5mm。
※ 联轴节两端的轴孔加工应保证必要的精度和同心度，目的是最终确保机械回差小于10°,否则会导致执行器无法正常工作。
□4 螺钉上应该加装、弹垫、平垫，建议拧紧后在螺钉四周点密封胶，防止螺钉松动。
□5 安装完成后，应先用手柄驱动装置开关一次，确认工作正常后，再执行调阀步骤。

□1 If the ball valve does not operate for a long time, the maximum torque value for the first opening or closing of the valve is the maximum torque.
□2 When installing the direct connection type, if the hole depth is ≤ 15mm, and the output shaft of the valve is>15mm, it needs to be cut.
□3 If you need to provide your own bracket and coupling, please pay attention to the following:
The strength of the bracket should meet the requirements for use: the actuator should switch between opening or closing the valve
Medium, bracket twist ≤ 0.2mm.
The parallelism of the bracket is ≤ 0.5mm.
The machining of the shaft holes at both ends of the coupling should ensure the necessary accuracy and concentricity, with the ultimate goal of ensuring that the mechanical backlash is less than 10 °, otherwise it will cause the actuator to malfunction.
□ 4 Screws should be equipped with spring washers and flat washers. It is recommended to apply sealant around the screw after tightening to prevent loosening.
□ 5 After installation, the device should be turned on and off once using the handle drive, and after confirming that it is working properly, the valve adjustment steps should be executed.

安全注意事项
Safety precautions

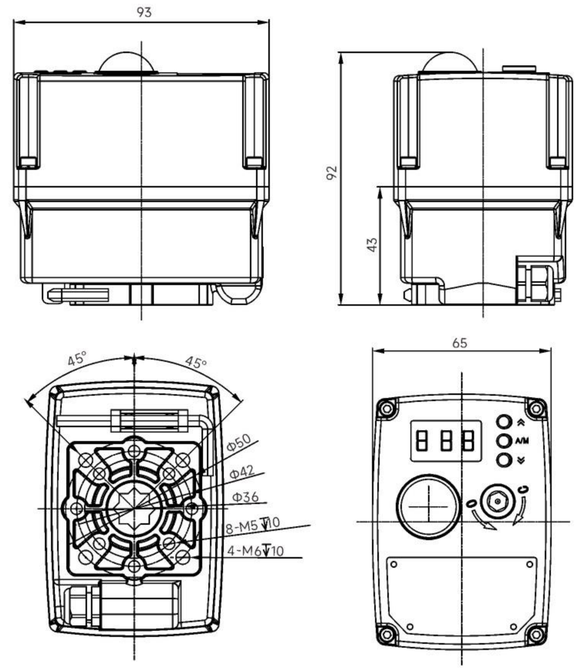
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KK-03电动执行器
KK-03 Electric Actuator



安装尺寸 Installation dimensions	
轴孔内四方 Square holes in the shaft	□ 9X9 □ 11X11
安装孔中心距 Center distance of installation holes	F03 F05
轴孔深度 Axle hole depth	≤20

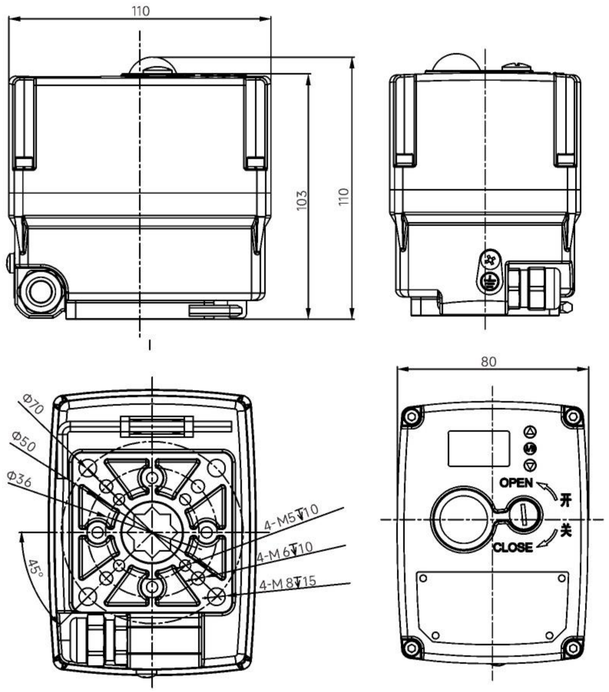


1.额定电压：AC230V【AC95-265V】、DC24V/DC12V
2.额定扭矩：30 N.m
3.开闭时间：90° 5秒/1秒
4.可装配的阀门：直通球阀、三通球阀、蝶阀、卫生级阀门等小口径阀门
5.控制方式：开关型、调节型4-20mA/0-10V/RS485、断电复位型（可选故障报警）
6.反馈方式：开关到位反馈/4-20mA/0-10V/RS485
7.报警输出信号：继电器触点
8.位置精确度： ±1%(软件可设)
9.采用高性能无刷电机，内置过流(过载保护）
10.寿命长达5万次

1. Rated voltage: AC230V [AC95-265V], DC24V/DC12V
2. Rated torque: 30 N.m
3. Opening and closing time: 90° 5 seconds/1 second
4. Available valves: Straight ball valve, three-way ball valve, butterfly valve, sanitary valves and other small-diameter valves
5. Control mode: Switch type, regulating type 4-20mA/0-10V/RS485, power-off reset type (optional fault alarm)
6. Feedback method: Switch position feedback/4-20mA/0-10V/RS485
7. Alarm output signal: Relay contacts
8. Position accuracy: ±1% (software adjustable)
9. Uses high-performance brushless motor, with built-in overcurrent (overload protection)
10. Lifespan up to 50,000 times

KK-05方型电动执行器
KK-05 square electric actuator





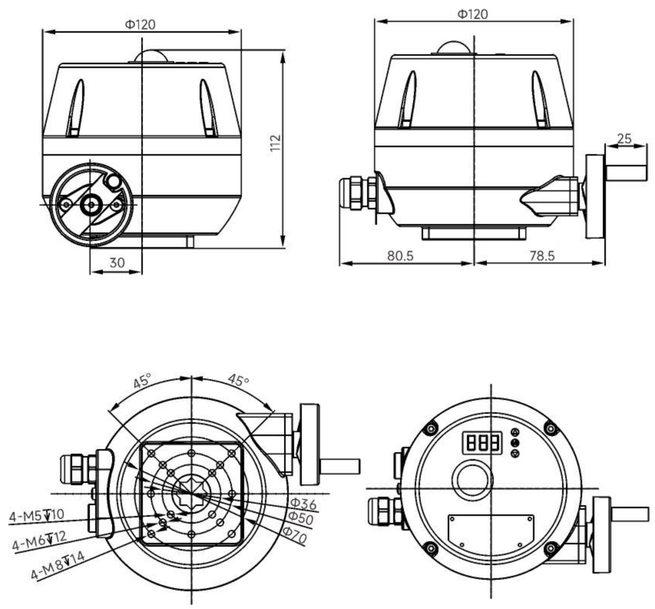
安装尺寸 Installation dimensions	
轴孔内四方 Square holes in the shaft	☐ 11X11 ☐ 14X14
安装孔中心距 Center distance of installation holes	F03 F05 F07
轴孔深度 Axle hole depth	≤20

1.额定电压：AC230V【AC95-265V】、DC24V/DC12V
2.额定扭矩：50N.m
3.开闭时间：90° 5秒/1秒
4.可装配的阀门：直通球阀、三通球阀、蝶阀、卫生级阀门等小口径阀门
5.控制方式：开关型、调节型4-20mA/0-10V/RS485、断电复位型（可选故障报警）
6.反馈方式：开关到位反馈/4-20mA/0-10V/RS485
7.报警输出信号：继电器触点
8.位置精确度： ±1%(软件可设)
9.采用高性能无刷电机，内置过流(过载保护）
10.寿命长达5万次

1. Rated voltage: AC230V [AC95-265V], DC24V/DC12V
2. Rated torque: 50N.m
3. Opening and closing time: 90° 5 seconds/1 second
4. Available valves: Straight ball valve, three-way ball valve, butterfly valve, sanitary valves and other small-diameter valves
5. Control mode: Switch type, regulating type 4-20mA/0-10V/RS485, power-off reset type (optional fault alarm)
6. Feedback method: Switch position feedback/4-20mA/0-10V/RS485
7. Alarm output signal: Relay contacts
8. Position accuracy: ±1% (software adjustable)
9. Uses high-performance brushless motor, with built-in overcurrent (overload protection)
10. Lifespan up to 50,000 times

KK-05圆型电动执行器
KK-05 circular electric actuator





安装尺寸 Installation dimensions	
轴孔内四方 Square holes in the shaft	☐ 11X11 ☐ 14X14
安装孔中心距 Center distance of installation holes	F03 F05 F07
轴孔深度 Axle hole depth	≤20

1.额定电压：AC230V【AC95-265V】、DC24V/DC12V
2.额定扭矩：50N.m
3.开闭时间：90° 5秒/1秒
4.可装配的阀门：直通球阀、三通球阀、蝶阀、卫生级阀门等小口径阀门
5.控制方式：开关型、调节型4-20mA/0-10V/RS485、断电复位型（可选故障报警）
6.反馈方式：开关到位反馈/4-20mA/0-10V/RS485
7.报警输出信号：继电器触点
8.位置精确度： ±1%(软件可设)
9.采用高性能无刷电机，内置过流(过载保护）
10.寿命长达5万次

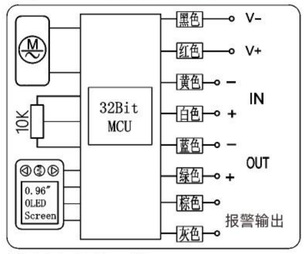
1. Rated voltage: AC230V [AC95 - 265V], DC 24V/DC 12V
2. Rated torque: 50N.m
3. Opening and closing time: 90° 5 seconds/1 second
4. Available valves: Straight ball valve, three-way ball valve, butterfly valve, sanitary valves and other small-diameter valves
5. Control mode: Switch type, regulating type 4-20mA/0-10V/RS485, power-off reset type (optional fault alarm)
6. Feedback method: Switch position feedback/4-20mA/0-10V/RS485
7. Alarm output signal: Relay contacts
8. Position accuracy: ±1% (software adjustable)
9. Uses high-performance brushless motor, with built-in overcurrent (overload protection)
10. Lifespan up to 50,000 times

KK-03/05技术参数
KK-03/05 Technical Parameters

产品型号 Product model	03型 03 Type			05型(圆形/方形) Type 05 (circular/rectangular)		
电压 Voltage	AC95-265V	DC24V	DC12V	AC95-265V	DC24V	DC12V
输出扭矩 Output torque Rated power	30Nm			50Nm		
额定功率 Rated power	20W			25W		
额定电流 Rated current	5S/0.5A 1S/1A			5S/1.5A 1S/2.5A		
绝缘电阻 Insulation resistance	100MΩ/1500VDC	100MΩ/500VDC		100MΩ/1500VDC	100MΩ/500VDC	
耐压等级 Pressure resistance level	1500VAC/1min	500VAC/1min		1500VAC/1min	500VAC/1min	
回转角度 Rotation angle	角行程：90°±2(可定制多回转最大7圈) Linear motion: 90° ± 2 (customizable with a maximum of 7 rotations for multi-turn operation)					
手动操作 Manual operation	配套六角扳手，在断电下使用 Included is a hexagonal wrench, to be used when the power is off.					
位置指示 Position indication	开关型(机械指示器) 调节型(数显指示器) Switch type (mechanical indicator) Adjustment type (digital display indicator)					
防护等级 Protection level	IP67(室内或室外，长期雨淋或阳光直射环境中需加防护装置) IP67 (Indoor or outdoor, requires protective device for long-term exposure to rain or direct sunlight)					
介质温度 Medium temperature	≤80°C可直联安装执行器，≥80°C需加装支架或散热装置 ≤80°C: The actuator can be directly connected and installed. ≥80°C: A bracket or cooling device must be added.					
环境温度 Environmental temperature	-20°C~+60°C					
安装方式 Installation method	360°任意角度安装，需预留手动操作及接线空间 Installation at any Angle of 360° requires reserving space for manual operation and wiring					
整机重量 Overall machine weight	03型/0.9KG 05圆形/1.2KG 05方形/1.9KG 03 type / 0.9KG 05 round shape / 1.2KG 05 square shape / 1.9KG					

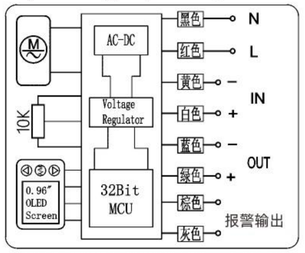
KK-03/05控制接线图(方形/圆形)
KK-03/05 Control Wiring Diagram (Square/Circular)

调节型(DC24V)
Adjustable type (DC 24V)



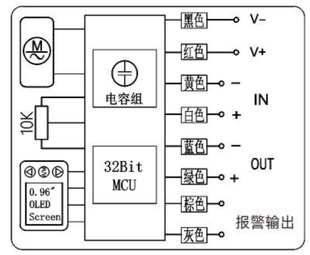
控制方式:输入输出4-20mA/0-10V
Control mode: Input/Output 4-20mA/0-10V

调节型(AC220V)
Adjustable type (AC 220V)



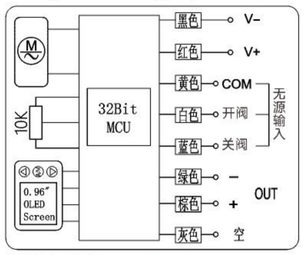
控制方式:输入输出4-20mA/0-10V
Control mode: Input/Output 4-20mA/0-10V

调节断电复位型(DC24V)
Adjustable power-off reset type (DC 24V)



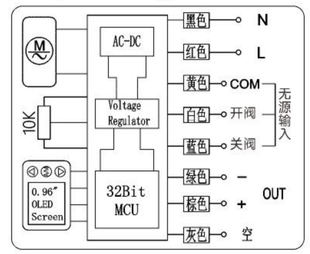
控制方式:输入输出4-20mA/0-10V
Control mode: Input/Output 4-20mA/0-10V

智能开关型(DC24V)
Intelligent switch type (DC 24V)



控制方式:输出4-20mA/0-10V
Control method: Output 4-20mA / 0-10V

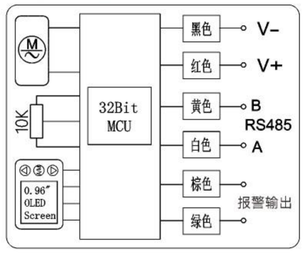
智能开关型(AC220V)
Intelligent switch type (AC 220V)



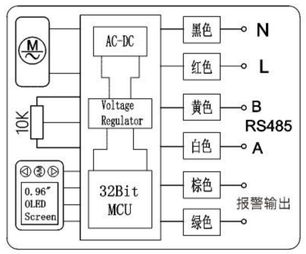
控制方式:输出4-20mA/0-10V
Control method: Output 4-20mA / 0-10V

KK-03/05控制接线图(方形/圆形)
KK-03/05 Control Wiring Diagram (Square/Circular)

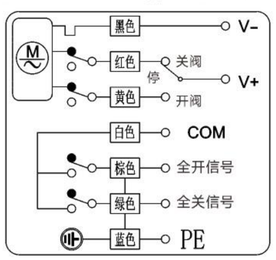
RS485(DC24V)



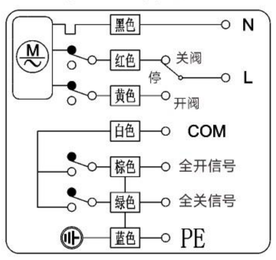
RS485(AC220V)



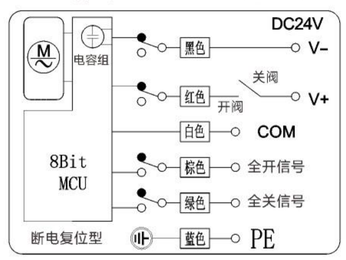
普通开关型(DC24V)
Common switch type (DC24V)



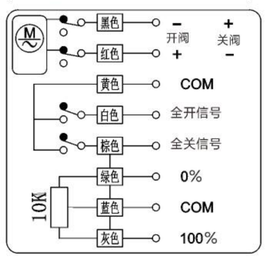
普通开关型(AC220V)
Ordinary switch type (AC 220V)



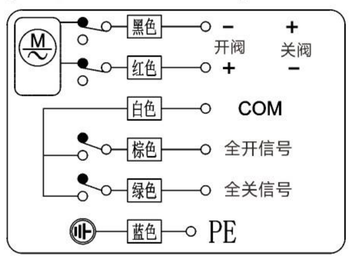
开关型断电复位(DC24V)
Switch-type power-off reset (DC24V)



开关型二线制加电位器(DC24V有刷电机驱动)
Switch-type two-wire potentiometer
(DC24V brushed motor driver)



开关型二线制(DC24V有刷电机驱动)
Switch-type two-wire system
(DC24V brushed motor drive)



型号编制(防爆型)
Model designation (explosion-proof type)

1.产品名称：Ex-05～60隔爆型电动执行器
1. Product Name: Ex-05～60 Flameproof Electric Actuator
2.产品型号及其含义：
2. Product Model and Its Meaning:

Ex 05 A
- A — 控制方式代号 Control mode code
- 05 — 扭矩型号(N.m) Torque model (N.m)
- Ex — 隔爆标志 Explosion-proof mark

3.产品防爆型式为：隔爆型。
3.The explosion-proof type of the product is: flameproof type.
4.产品执行标准：GB/T3836.1-2021、GB/T3836.2-2021。
4. Product compliance standards: GB/T3836.1-2021, GB/T3836.2-2021.

主要用途和适用范围
Main purposes and application scope

Ex-05～60隔爆型电动执行器(以下简称执行器)主要适用于IIA、IIB类，T1～T6组爆炸性气体环境(1区、2区)中，它以AC380V/AC220V/DC12V/DC24V作为驱动电源，以4-20mA电流信号或者0-10VDC 电压信号为控制信号，可使阀门运动到所需位置，实现其自动控制，预定直线往复运动调节阀门之用，广泛应用于发电、冶金、石化、轻工及环保等工业部门。

Ex-05～60 Flameproof Electric Actuator (hereinafter referred to as the "actuator") is mainly applicable to explosive gas environments of categories IIA and IIB, with temperatures ranging from T1 to T6 (Zone 1 and Zone 2). It uses AC380V/AC220V/DC12V/DC24V as the driving power supply, and 4-20mA current signal or 0-10VDC voltage signal as the control signal. It can move the valve to the desired position, achieving automatic control and preset linear reciprocating motion to regulate the valve, and is widely used in industrial sectors such as power generation, metallurgy, petrochemicals, light industry, and environmental protection.

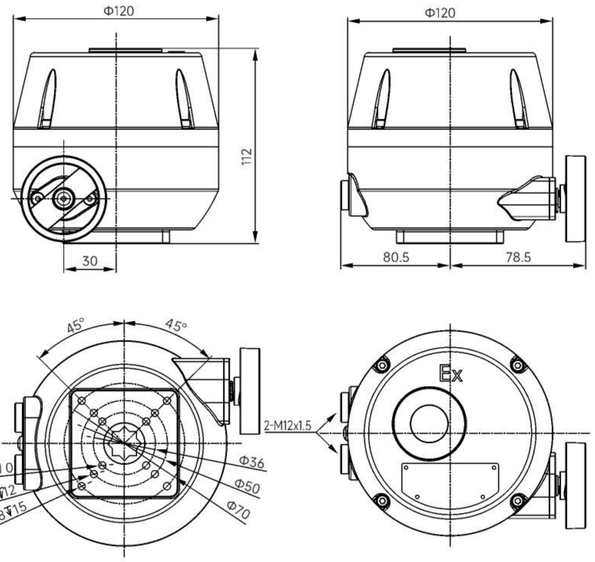
执行器在下列条件下能可靠地工作：
The act uator can oper ate reliably under the following conditions:

(a) 海拔不超过2000m;
(b) 周围环境温度不超过-20℃～+60℃;
(c) 周围空气相对湿度不大于90%(-25℃)；
(d) 含有IIA、IIB类T1～T6组爆炸性气体环境(1区、2区)中;
(e) 在无显著摇动和冲击振动的地方;
(f) 在无破坏金属与绝缘的气体和蒸汽的环境中;
(g) 污染等级：3级;
(h) 安装类别：II类。

(a) The altitude shall not exceed 2000m;
(b) The ambient temperature shall not be lower than -20□ and higher than +60℃;
(c) The relative humidity of the surrounding air shall not exceed 90% at -25℃;
(d) It contains explosive gas environments of groups IIA and IIB, ranging from T1 to T6 (Zone 1 and Zone 2);
(e) It shall be in a place without significant shaking and impact vibration;
(f) It shall be in an environment free of gases and vapors that damage metals and insulation;
(g) Pollution grade: Class 3;
(h) Installation category: Class II.

KK-Ex05电动执行器
KK-Ex05 electric actuator





安装尺寸 Installation dimensions	
轴孔内四方 Square holes in the shaft	□11X11 □14X14
安装孔中心距 Center distance of installation holes	F03 F05 F07
轴孔深度 Axle hole depth	≤20

1.额定电压：AC230V【AC95-265V】、DC24V/DC12V

2.额定扭矩：50N.m

3.开闭时间：90° 5秒/1秒

4.可装配的阀门：直通球阀、三通球阀、蝶阀、卫生级阀门等小口径阀门

5.控制方式：开关型、调节型4-20mA/0-10V/RS485、断电复位型（可选故障报警）

6.反馈方式：开关到位反馈/4-20mA/0-10V/RS485

7.报警输出信号：继电器触点

8.位置精确度： ±1%(软件可设)

9.采用高性能无刷电机，内置过流(过载保护)

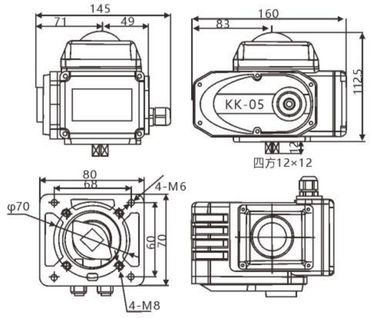
10.寿命长达5万次

1. Rated voltage: AC230V [AC95 - 265V], DC 24V/DC 12V
2. Rated torque: 50N.m
3. Opening and closing time: 90° 5 seconds/1 second
4. Available valves: Straight ball valve, three-way ball valve, butterfly valve, sanitary valves and other small-diameter valves
5. Control mode: Switch type, regulating type 4-20mA/0-10V/RS485, power-off reset type (optional fault alarm)
6. Feedback method: Switch position feedback/4-20mA/0-10V/RS485
7. Alarm output signal: Relay contacts
8. Position accuracy: ±1% (software adjustable)
9. Uses high-performance brushless motor, with built-in overcurrent (overload protection)
10. Lifespan up to 50,000 times

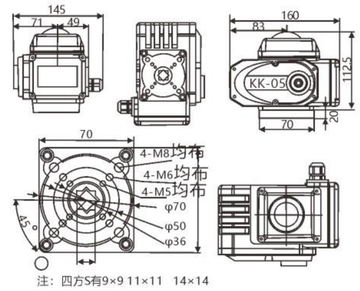
KK-05电动执行器
KK-05 Electric Actuator



KK-05 直装式外观尺寸
KK-05 Direct Mounted Appearance Size



KK-05 外观尺寸(免支架型)
KK-05 Appearance Size（ISO5211 Bracket type)



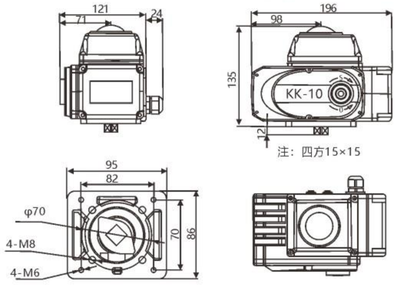
性能参数 Performance Parameter

型号	Model	KK-05			
电源	Power supply(V)	DC24V	AC110V	AC220V	AC380V
输出力矩	Output torque	50NM	50NM	50NM	50NM
90°动作时间	Action times(S)	10S	20S	20S	20S
回转角度范围（°）	Scope of rotary angle（°）	0-90°	0-90°	0-90°	0-90°
电机功率	Motor power(w)	20W	10W	15W	10W
额定电流	Rated current (A)	2.0A	0.48A	0.26A	0.1A
整机重量	Machine weight(kg)	2.2Kg	2.2Kg	2.2Kg	2.2Kg
绝缘电阻	Insulation Resistance(MΩ)	DC24V:100MΩ/250VDC AC110V/380V:100MΩ/500VDC			
耐压等级	Voltage Resistance Rating	DC24V:500VAC; AC110V/220V:1500VAC; AC380V:1800VAC.(1分钟 1Minute)			
防护等级	Protection Level	IP67			
安装方位	Installation Position	360°任意角度安装 Rotary range:360° Any position			
电气接口	Electrical connection	G1/2防水电缆接头，电源线，信号线各一个Each one G1/2 water-proof cable connectors,Electric power lines,Signal lines			
环境温度	Environment temerature	-20℃~+60℃			
控制电路选项	Control circuit options	标准型：极限位置开关 A型：带中间位置开关 B型：带电位器 C型：带电位器和中间位置开关 D型：带伺服控制器（调节型） Standard type:Limit position switch. Atype:with mid-position switch. B type:with potentiometer. C type:with potentiometer and mid-position switch. D type : with 4-20MA (Intelligent type) .			
可选功能	Optional function	电机过热保护器 除湿加热器Over torgue protectors Dehumidity heater			

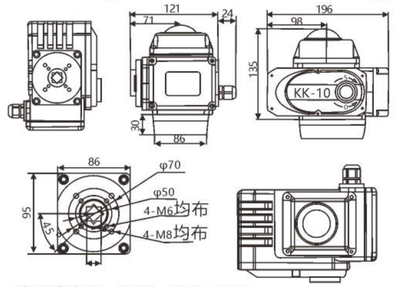
KK-10电动执行器
KK-10 Electric Actuator



KK-10 直装式外观尺寸
KK-10 Direct Mounted Appearance Size



KK-10 外观尺寸(免支架型)
KK-10 Appearance Size（ISO5211 Bracket type)



注：四方S有9×9　11×11　14×14　17×17

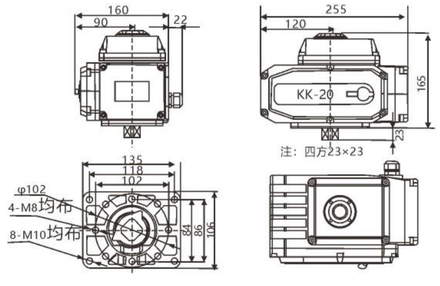
性能参数 Performance Parameter

型号	Model	KK-10			
电源	Power supply(V)	DC24V	AC110V	AC220V	AC380V
输出力矩	Output torque	100NM	100NM	100NM	100NM
动作时间	Action times(S)	15S	30S	30S	30S
回转角度范围（°）	Scope of rotary angle（°）	0-90°	0-90°	0-90°	0-90°
电机功率	Motor power(w)	25W	25W	25W	25W
额定电流	Rated current (A)	4.0A	0.57A	0.28A	0.10A
整机重量	Machine weight(kg)	4.0Kg	4.0Kg	4.0Kg	4.0Kg
绝缘电阻	Insulation Resistance(MΩ)	DC24V:100MΩ/250VDC AC110V/220V 380V:100MΩ/500VDC			
耐压等级	Voltage Resistance Rating	DC24V:500VAC; AC110V/220V:1500VAC; AC380V:1800VAC.(1分钟 1Minute)			
防护等级	Protection Level	IP67			
安装方位	Installation Position	360°任意角度安装 Rotary range:360° Any position			
电气接口	Electrical connection	G1/2防水电缆接头，电源线，信号线各一个Each one G1/2 water-proof cable connectors,Electric power lines,Signal lines			
环境温度	Environment temerature	-20℃~+60℃			
控制电路选项	Control circuit options	标准型：极限位置开关 A型：带中间位置开关 B型：带电位器 D型：带控制模块（智能型） Standard type:Limit position switch. Atype:with mid-position switch. B type:with potentiometer. D type : with 4-20MA (Intelligent type).			
可选功能	Optional function	电机过热保护器 除湿加热器 Over torgue protectors Dehumidity heater			

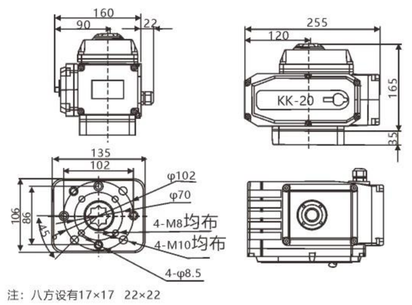
KK-20/40/60/80电动执行器
KK-20/40/60/80 Electric Actuator



KK-20-80 直装式外观尺寸
KK-20-80 Direct Mounted Appearance Size



KK-20-80 免支架外观尺寸
KK-20-80 Appearance Size（ISO5211 Bracket type)



注：八方设有17×17　22×22

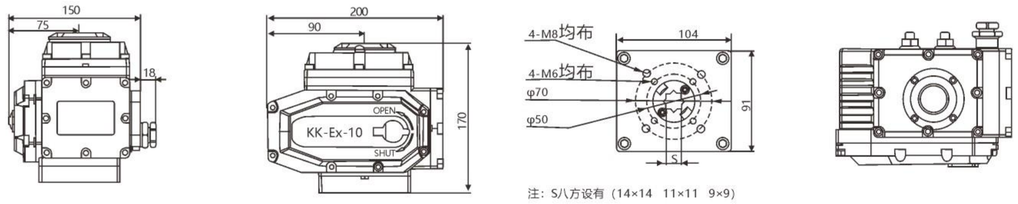
性能参数 Performance Parameter

型号	Model	KK-20	KK-40	KK-60	KK-80
输出力矩	Output terque	200NM	400NM	600NM	800NM
动作时间	Action times(S)	15S/30S/45S	30/45S	30/45S	60S
回转角度范围（°）	Scope of rotary angle（°）	0-90°	0-90°	0-90°	0-90°
电机功率	Motor power(w)	40W/30W	90W/60W	100W	100W
额定电流	Rated current (A)	0.37A/0.25A	0.69A/0.51A	0.69A	0.85A
整机重量	Machine weight(kg)	11Kg	11Kg	11.30Kg	11.50Kg
电源	Power supply(V)	DC24V AC110V AC220V±10% 50HZ/60HZ AC380V			
电机保护	Motor protection	内藏式过热保护 Built-in thermal protection			
绝缘电阻	Insulation Resistance(MΩ)	100MΩ/500VDC			
耐压等级	Voltage Resistance Rating	1500VAC (1分钟 1Minute)			
手动操作	Manual operation	附带不锈钢手柄 It comes with stainless steel handles			
防护等级	Protection Level	IP67			
安装方位	Installation Position	360°任意角度安装 Rotary range:360° Any position			
电气接口	Electrical connection	G1/2防水电缆接头，电源线，信号线各一个Each one G1/2 water-proof cable connectors,Electric power lines,Signal lines			
环境温度	Environment temerature	-20℃~+60℃			
控制电路选项	Control circuit options	标准型：极限位置开关 A型：带中间位置开关 B型：带电位器 D型：带控制模块（智能型） Standard type:Limit position switch. Atype:with mid-position switch. B type:with potentiometer. D type : with 4-20MA (Intelligent type).			
可选功能	Optional function	电机过热保护器 除湿加热器 Over torgue protectors Dehumidity heater			

KK-EX-10 防爆电动执行器
KK-EX-10 Explosion-proof Electrical Actuator



KK-Ex-10 外观尺寸
KK-Ex-10 Appearance Size



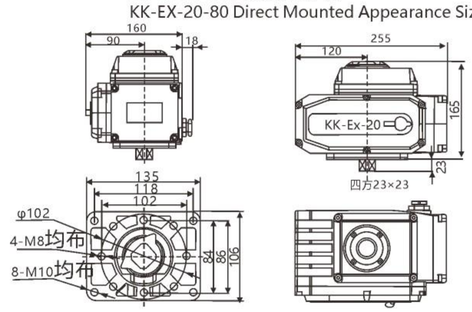
性能参数 Performance Parameter

型号	Model	KK-EX-10			
电源	Power supply(V)	DC24V	AC110V	AC220V	AC380V
输出力矩	Output torque	100NM	100NM	100NM	100NM
动作时间	Action times(S)	30S	30S	30S	30S
回转角度范围（°）	Scope of rotary angle（°）	0-90°	0-90°	0-90°	0-90°
电机功率	Motor power(w)	25W	25W	25W	25W
额定电流	Rated current (A)	2.03A	0.57A	0.35A	0.10A
整机重量	Machine weight(kg)	7Kg	7Kg	7Kg	7Kg
电机保护	Motor protection	内藏式过热保护 Built-in thermal protection			
绝缘电阻	Insulation Resistance(MΩ)	DC24V:100MΩ/250VDC AC110V/220V 380V:100MΩ/500VDC			
耐压等级	Voltage Resistance Rating	DC24V:500VAC; AC110V/220V:1500VAC; AC380V:1800VAC.(1分钟 1Minute)			
手动操作	Manual operation	附带不锈钢手柄 It comes with stainless steel handles			
防护等级	Protection Level	IP67			
安装方位	Installation Position	360°任意角度安装 Rotary range:360° Any position			
环境温度	Environment temerature	-20℃~+60℃			
电气接口	Electrical connection	G1/2防水电缆接头，电源线，信号线各一个Each one G1/2 water-proof cable connectors,Electric power lines,Signal lines			
控制电路选项	Control circuit options	标准型：极限位置开关 A型：带中间位置开关 B型：带电位器 D型：带控制模块（智能型） Standard type:Limit position switch. Atype:with mid-position switch. B type:with potentiometer. D type : with 4-20MA (Intelligent type).			
可选功能	Optional function	电机过热保护器 除湿加热器 Over torgue protectors Dehumidity heater			

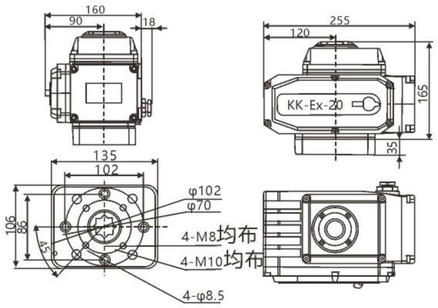
KK-EX-20/40/60/80 防爆电动执行器
KK-EX-20/40/60/80 Explosion-proof Electrical Actuator



KK-EX-20-80 直装式外观尺寸
KK-EX-20-80 Direct Mounted Appearance Size



KK-EX-20-80 外观尺寸
KK-EX-20-80 Appearance Size

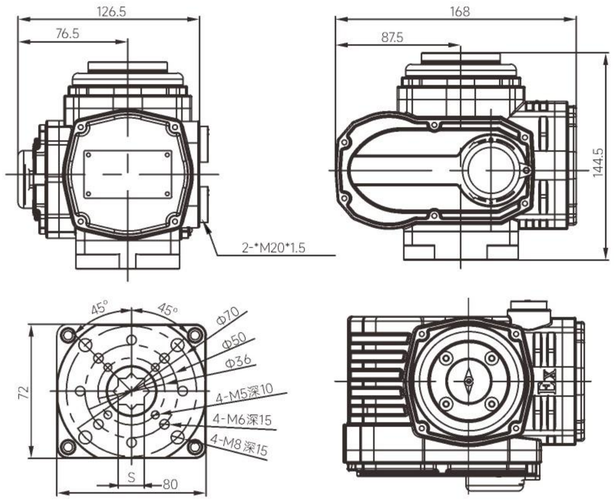


性能参数 Performance Parameter

型号	Model	KK-EX-20	KK-EX-40	KK-EX-60	KK-EX-80
输出力矩	Output torque	200NM	400NM	600Nm	800NM
动作时间	Action times(S)	15S/30S/45S	30S/45S	30s/45s	60S
回转角度范围（°）	Scope of rotary angle（°）	0-90°	0-90°	0-90°	0-90°
电机功率	Motor power(w)	40W/30W	90W/60W	100w	100W
额定电流	Rated current (A)	0.37A/0.25A	0.69A/0.51A	0.69A	0.85A
整机重量	Machine weight(kg)	11Kg	11Kg	11.3Kg	11.50Kg
电源	Power supply(V)	DC24V AC110V AC220V±10% 50HZ/60HZ AC380V			
电机保护	Motor protection	内藏式过热保护 Built-in thermal protection			
绝缘电阻	Insulation Resistance(MΩ)	100MΩ/500VDC			
耐压等级	Voltage Resistance Rating	1500VAC (1分钟 1Minute)			
手动操作	Manual operation	附带不锈钢手柄 It comes with stainless steel handles			
防护等级	Protection Level	IP67			
安装方位	Installation Position	360°任意角度安装 Rotary range:360° Any position			
电气接口	Electrical connection	G1/2防水电缆接头，电源线，信号线各一个Each one G1/2 water-proof cable connectors,Electric power lines,Signal lines			
环境温度	Environment temerature	-20℃~+60℃			
控制电路选项	Control circuit options	标准型：极限位置开关 A型：带中间位置开关 B型：带电位器 D型：带控制模块（智能型） Standard type:Limit position switch. Atype:with mid-position switch. B type:with potentiometer. D type : with 4-20MA (Intelligent type).			
可选功能	Optional function	电机过热保护器 除湿加热器 Over torgue protectors Dehumidity heater			

KK-Ex05 CT6电动执行器
KK-Ex05 CT6 electric actuator





免支架式安装尺寸 Frameless installation dimensions	
轴孔内四方 Square holes in the shaft	□9X9 □11X11 □14X14
安装孔中心距 Center distance of installation holes	F03 F05 F07
轴孔深度 Axle hole depth	≤23

1.额定电压：AC230V、DC24V、DC12V

2.额定扭矩：50Nm

3.开闭时间：90°20秒/10秒

4.可装配的阀门：直通球阀、三通球阀、蝶阀、卫生级等阀门

5.控制方式：开关型、调节型4-20mA/0-10V/RS485

6.反馈方式：开关到位反馈/4-20mA/0-10V/RS485

7.报警输出信号：继电器触点

8.位置精确度：±1%（软件可调）

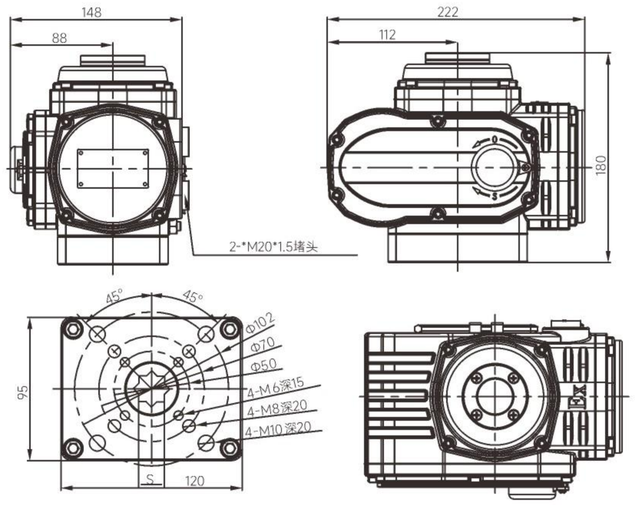
9.采用全金属齿轮，涡轮蜗杆精密耐磨工艺，精度高，回差少等特点

10.寿命长达10万次

1. Rated voltage: AC230V, DC24V, DC12V
2. Rated torque: 50Nm
3. Opening and closing time: 90° for 20 seconds / 10 seconds
4. Available valves: Straight ball valve, three-way ball valve, butterfly valve, sanitary grade valves, etc.
5. Control mode: Switch type, regulating type 4-20mA/0-10V/RS485
6. Feedback mode: Switch position feedback / 4-20mA/0-10V/RS485
7. Alarm output signal: Relay contacts
8. Position accuracy: ±1% (software adjustable)
9. Uses full metal gears, precise and wear-resistant turbine and worm gear processing, featuring high precision and less backlash
10. Lifespan up to 100,000 times

KK-EX10-20 BT6电动执行器
KK-EX10-20 BT6 electric actuator





免支架式安装尺寸 Frameless installation dimensions	
轴孔内四方 Square holes in the shaft	□14X14 □17X17
安装孔中心距 Center distance of installation holes	F05 F07 F10
轴孔深度 Axle hole depth	≤27

1.额定电压：AC230V、AC380V、DC24V、DC12V

2.额定扭矩：100Nm/200Nm

3.开闭时间：90°30秒/15秒

4.可装配的阀门：直通球阀、三通球阀、蝶阀、卫生级等阀门

5.控制方式：开关型、调节型4-20mA/0-10V/RS485

6.反馈方式：开关到位反馈/4-20mA/0-10V/RS485

7.报警输出信号：继电器触点

8.位置精确度：±1%（软件可调）

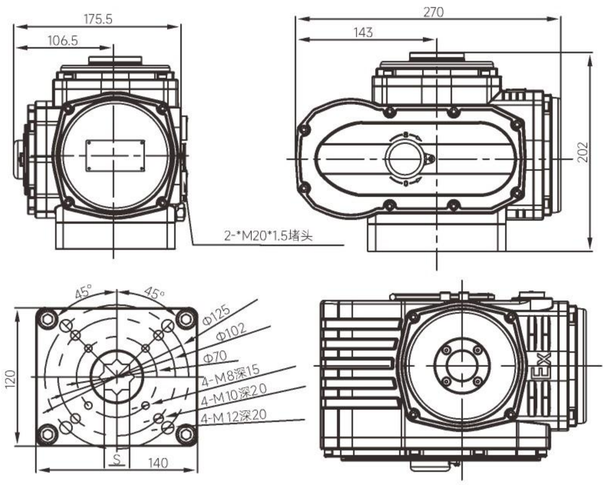
9.采用全金属齿轮，涡轮蜗杆精密耐磨工艺，精度高，回差少等特点

10.寿命长达10万次

1. Rated voltage: AC230V, AC380V, DC24V, DC12V
2. Rated torque: 100Nm/200Nm
3. Opening and closing time: 90° for 30 seconds/15 seconds
4. Available valves: Straight ball valve, three-way ball valve, butterfly valve, sanitary grade valves, etc.
5. Control mode: Switch type, regulating type 4-20mA/0-10V/RS485
6. Feedback mode: Switch position feedback/4-20mA/0-10V/RS485
7. Alarm output signal: Relay contacts
8. Position accuracy: ±1% (software adjustable)
9. Uses full metal gears, precise and wear-resistant turbine and worm gear processing, featuring high precision and less backlash
10. Lifespan up to 100,000 times

KK-EX40-60 BT6电动执行器
KK-EX40-60 BT6 electric actuator





免支架式安装尺寸 Frameless installation dimensions	
轴孔内四方 Square holes in the shaft	☐ 17X17 ☐ 22X22
安装孔中心距 Center distance of installation holes	F07 F10 F12
轴孔深度 Axle hole depth	≤35

1.额定电压：AC230V、AC380V、DC24V、DC12V

2.额定扭矩：400Nm/600Nm

3.开闭时间：90°45秒/20秒

4.可装配的阀门：直通球阀、三通球阀、蝶阀、卫生级等阀门

5.控制方式：开关型、调节型4-20mA/0-10V/RS485

6.反馈方式：开关到位反馈/4-20mA/0-10V/RS485

7.报警输出信号：继电器触点

8.位置精确度：±1%（软件可调）

9.采用全金属齿轮，涡轮蜗杆精密耐磨工艺，精度高，回差少等特点

10.寿命长达10万次

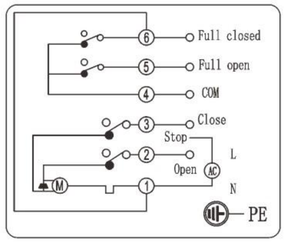
1. Rated voltage: AC230V, AC380V, DC24V, DC12V
2. Rated torque: 400Nm/600Nm
3. Opening and closing time: 90° for 30 seconds/15 seconds
4. Available valves: Straight ball valve, three-way ball valve, butterfly valve, sanitary grade valves, etc.
5. Control mode: Switch type, regulating type 4-20mA/0-10V/RS485
6. Feedback mode: Switch position feedback/4-20mA/0-10V/RS485
7. Alarm output signal: Relay contacts
8. Position accuracy: ±1% (software adjustable)
9. Uses full metal gears, precise and wear-resistant turbine and worm gear processing, featuring high precision and less backlash
10. Lifespan up to 100,000 times

技术参数(防爆型)
Technical Specifications (Blast-proof type)

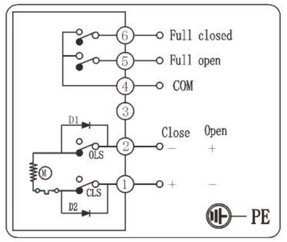
产品型号 Product model	Ex05(CT6)			Ex05(BT6)			Ex10-20(BT6)						Ex40-60(BT6)					
电压 Voltage	AC 95-265V	DC 24V	DC 12V	AC 220V	DC 24V	AC 380V	AC 220V		DC 24V		AC 380V		AC 220V		DC 24V		AC 380V	
输出扭矩 Output torque Rated power	50Nm			50Nm			100 Nm	200 Nm	100 Nm	200 Nm	100 Nm	200 Nm	400 Nm	600 Nm	400 Nm	600 Nm	400 Nm	600 Nm
额定功率 Rated power	20W			20W			30W						60W			90W		
额定电流 Rated current	5S/0.5A 1S/1A			20S/ 0.26A	10S/ 2A	20S/ 0.1A	30S/ 0.35A	30S/ 0.42A	15S/ 5.2A	15S/ 9.5A	30S/ 0.15A		45S/ 0.57A	45S/ 0.69A	20S/ 6A	20S/ 8.5A	45S/ 0.2A	
绝缘电阻 Insulation resistance	AC220V:100MΩ/1500VDC/DC24V:500VAC/1min																	
耐压等级 Pressure resistance level	AC220V:1500VAC/1min/DC24:500VAC/1min																	
回转角度 Rotation angle	角行程：90°±2(可定制多回转最大20圈) Linear motion: 90° ± 2 (customizable with a maximum of 20 rotations for multi-turn operation)																	
手动操作 Manual operation	配套六角扳手，在断电下使用 Included is a hexagonal wrench, to be used when the power is off.																	
位置指示 Position indication	开关型(机械指示器) 调节型(内置控制器) Switch type (mechanical indicator) Adjustment type (Built-in controller)																	
防护等级 Protection level	IP67(室内或室外，长期雨淋或阳光直射环境中需加防护装置) IP67 (Indoor or outdoor, requires protective device for long-term exposure to rain or direct sunlight)																	
介质温度 Medium temperature	≤80°C可直联安装执行器，≥80°C需加装支架或散热装置 ≤80°C: The actuator can be directly connected and installed. ≥80°C: A bracket or cooling device must be added.																	
环境温度 Environmental temperature	-20°C~+60°C																	
安装方式 Installation method	360°任意角度安装，需预留手动操作及接线空间 Installation at any Angle of 360° requires reserving space for manual operation and wiring																	
整机重量 Overall machine weight	Ex05-CT6/2.1KG Ex05-BT6/3.7KG Ex10-20-BT6/6.7KG Ex40-60-BT6/12KG																	

控制接线图(防爆型)
Control wiring diagram(Blast-proof type)

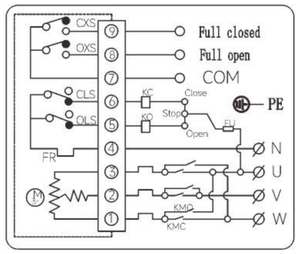
A型线路图/A-type circuit diagram



(AC24V)
(AC110V)
(AC220V)



(DC12V)
(DC24V)
(DC220V)

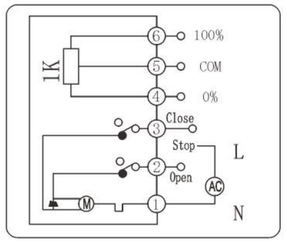


(AC380V)

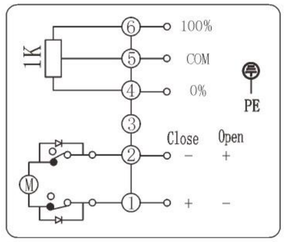
无源触点型(A型)
通过开关电路实现阀门开启或关闭，
并输出一组指示阀门全开，全关的无源信号。
三相交流控制电路(A型)
通过外部倒相电路，使电机正反转，从而实现“开”“关”操作，
并有一组全开和全关无源位置信号。

Passive contact type (Type A)
The valve is opened or closed through the switching circuit, and a set of passive signals indicating full opening and full closing of the valve is output.
Three-phase AC control circuit (Type A)
The motor rotates in both directions through an external inverting circuit, thereby achieving "open" and "close" operations, and there is a set of passive position signals for full opening and full closing.

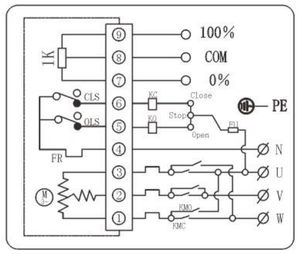
B型线路图/B-type circuit diagram



(AC24V)
(AC110V)
(AC220V)



(DC12V)
(DC24V)
(DC220V)



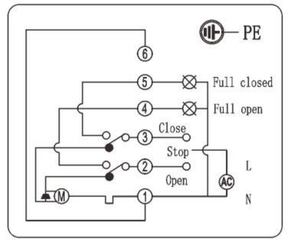
(AC380V)

开度信号型(B型)
通过开关电路实现阀门开启或关闭，
并输出与开度位置相对应的电阻信号。
三相交流控制电路(B型)
通过外部倒相电路，使电机正反转，通过开关电路
实现阀门开启或关闭，并输出与开度位置相对应的.电阻信号。

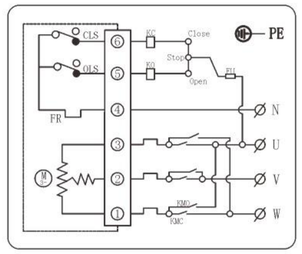
Position-sensing type (Type B)
The valve is opened or closed through a switching circuit, and a resistance signal corresponding to the position of the opening is output.
Three-phase AC control circuit (Type B)
The motor rotates in both directions through an external inverting circuit, and the valve is opened or closed through a switching circuit, and a resistance signal corresponding to the position of the opening is output.

控制接线图(防爆型)
Control wiring diagram(Blast-proof type)

C型线路图/C-type circuit diagram



(AC24V)
(AC110V)
(AC220V)

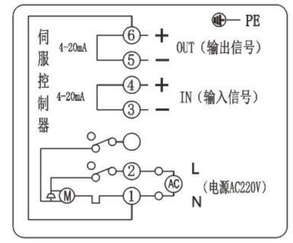


(AC380V)

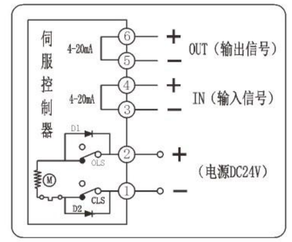
普通开关型(C型)
通过开关电路实现阀门开启或关闭，
并输出一组指示阀门全开，全闭的有源位置信号。
三相交流控制电路(C型)
通过外部倒相电路，使电机正反转，通过开关电路实现阀门
开启或关闭，并输出一组指示阀门全开，全闭的有源位置信号。

Common Switch Type (Type C)
The valve is opened or closed through the switch circuit, and a set of active position signals indicating the valve is fully open or fully closed is output.
Three-phase AC Control Circuit (Type C)
The motor rotates in reverse by an external inverting circuit, and the valve is opened or closed through the switch circuit, and a set of active position signals indicating the valve is fully open or fully closed is output.

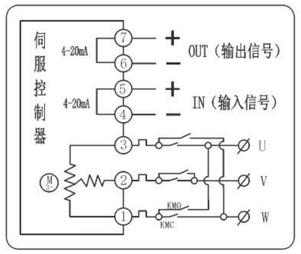
D型线路图/D-type circuit diagram



(AC24V)
(AC110V)
(AC220V)



(DC12V)
(DC24V)
(DC220V)



(AC380V)

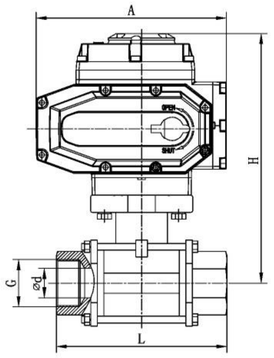
智能调节型(D型)
通过外部计算机或工业仪表输入的标准信号来控制
阀门的开闭角度，并同步反馈输出相对应的标准信号。
功能：通过外部输入4-20mADC/1-5VDC/0- 10VDC
模拟量信号实现开度调节。

Intelligent adjustable type (D type)
The opening and closing angle of the valve is controlled by the standard signals input from an external computer or industrial instrument, and the corresponding standard signals are simultaneously fed back and output.
Function: The opening degree can be adjusted by external input of 4-20mADC/1-5VDC/0-10VDC analog signals.

三片式电动螺纹球阀
3PC Electrical threaded ball valve

Q911F-16P/R





- ◆公称直径：DN15-DN100
- ◆压力范围：≤1000 PSI(6.9 MPa)
- ◆介质温度：-20℃~+180℃
- ◆环境温度：-20℃~+60℃
- ◆阀体材质：不锈钢
- ◆密封：聚四氟乙烯
- ◆执行机构：铝合金
- ◆控制电压：DC24V,AC24V,AC220V,AC380V.
- ◆控制功能：开关型，调节型
- ◆标准：Rp(BSP);Rc(BSPT);NPT
- ◆适用介质：水、气、油、酸、碱等

- ◆Nominal diameter: DN15-DN100
- ◆Pressure range: ≤1000PSI(6.9Mpa)
- ◆Medium Temp: -20℃~+180℃
- ◆Environment Temp: -20℃~+60℃
- ◆Body material: Stainless steel
- ◆Sealing: PTFE
- ◆Body of actuator: Aluminium alloy
- ◆Control Voltage: DC24V,AC24V,AC220V,AC380V.
- ◆Control feature: ON-OFF Type,Intelligent regulating type.
- ◆Standard: Rp(BSP) ;Rc(BSPT); NPT
- ◆Applicable medium: water, gas, oil, acid, alkali, etc

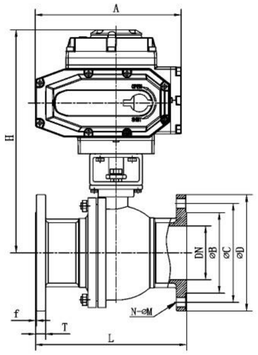
外形连接尺寸 Overview Dimension

型号Model(G)	d	L	A	H	执行器Actuator
1/2"	15	75	160	147.5	KK-05
3/4"	20	80	160	151.5	KK-05
1"	25	90	160	161.5	KK-05
1-1/4"	32	110	160	166.5	KK-05
1-1/2"	38	120	160	179.5	KK-05
2"	50	140	196	232	KK-10
2-1/2"	65	185	196	247	KK-10
3"	78	205	255	294	KK-20
4"	98	240	255	312	KK-20

二片式电动法兰球阀
2PC Electrical flanged ball valve

Q941F-16P/R





- ◆公称直径：DN15-DN200
- ◆压力范围：1.6Mpa-6.4Mpa
- ◆介质温度：-20℃~+180℃
- ◆环境温度：-20℃~+60℃
- ◆阀体材料：不锈钢、铸钢
- ◆密封：聚四氟乙烯
- ◆执行机构：铝合金
- ◆控制电压：DC24V,AC24V,AC220V,AC380V.
- ◆控制功能：开关型，调节型
- ◆标准：GB、ANSI、DIN、JIS
- ◆适用介质：水、气、油、酸、碱等
- ◆法兰标准：JB、GB、ISO、HG、ASME、JIS等

- ◆Nominal diameter: DN15-DN200
- ◆Pressure range: 1.6Mpa-6.4Mpa
- ◆Medium Temp: -20℃~+180℃
- ◆Environment Temp: -20℃~+60℃
- ◆Body material: Stainless steel、Cast steel
- ◆Sealing: PTFE
- ◆Body of actuator: Aluminium alloy
- ◆Control Voltage: DC24V,AC24V,AC220V,AC380V.
- ◆Control feature: ON-OFF Type,Intelligent regulating type.
- ◆Standard: GB、ANSI、DIN、JIS
- ◆Applicable medium: water, gas, oil, acid, alkali, etc
- ◆Flange standards: JB, GB, ISO, HG, ASME, JIS, etc.

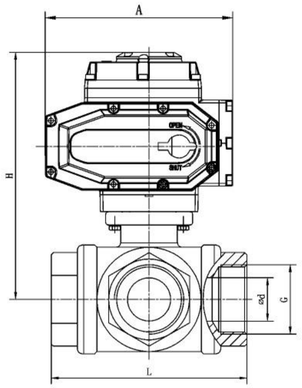
外形连接尺寸 Overview Dimension

型号 Model(G)	L	T	f	D	C	B	A	H	N-H	执行器 Actuator
DN15	130	14	2	95	65	45	160	210	4-Φ14	KK-05
DN20	140	15	2	105	75	54	160	216	4-Φ14	KK-05
DN25	150	16	2	115	85	65	160	223	4-Φ14	KK-05
DN32	165	16	2	135	100	78	160	226	4-Φ18	KK-05
DN40	180	17	2	145	110	85	198	264	4-Φ18	KK-10
DN50	200	18	2	160	125	100	198	290	4-Φ18	KK-10
DN65	220	18	2	180	145	120	256	355	4-Φ18	KK-20
DN80	250	18	2	195	160	135	256	365	8-Φ18	KK-20
DN100	280	20	2	215	180	155	256	386	8-Φ18	KK-20
DN125	320	22	3	245	210	185	256	420	8-Φ18	KK-40
DN150	360	24	3	280	240	210	256	445	8-Φ22	KK-60
DN200	400	26	3	335	295	265	309	484	12-Φ22	KK100

三通电动螺纹球阀
3-Way Electrical thread ball valve

Q914（5）F-16P/R





- ◆公称直径:DN15-DN50
- ◆压力范围:≤1000 psi(6.9 mpa)
- ◆介质温度:-20℃~ + 180℃
- ◆环境温度:-20℃~ + 60℃
- ◆阀体材料:不锈钢、铸钢
- ◆密封:聚四氟乙烯
- ◆执行机构:铝合金
- ◆控制电压：DC24V,AC24V,AC220V,AC380V.
- ◆控制功能：开关型，调节型
- ◆标准:L型,T型
- ◆标准:Rp(BSP);Rc(BSPT);NPT
- ◆适用介质:水、气、油、酸、碱等

- ◆Nominal diameter：DN15-DN50
- ◆Pressure range：≤1000PSI（6.9Mpa）
- ◆Medium Temp：-20℃~+180℃
- ◆Environment Temp：-20℃~+60℃
- ◆Body material：Stainless steel、Cast steel
- ◆Sealing:PTFE
- ◆Body of actuator：Aluminium alloy
- ◆Control Voltage: DC24V,AC24V,AC220V,AC380V.
- ◆Control feature: ON-OFF Type,Intelligent regulating type.
- ◆Standard：L-type、T-type
- ◆Standard：Rp(BSP) ;Rc(BSPT); NPT
- ◆Applicable medium: water, gas, oil, acid, alkali, etc

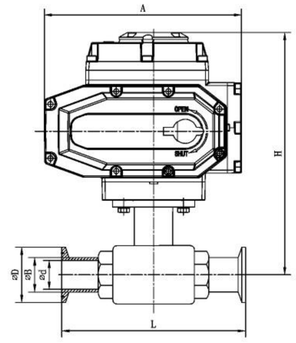
外形连接尺寸 Overview Dimension

型号Model(G)	d	L	A	H	执行器Actuator
1/2"	10	68	160	144	KK-05
3/4"	15	78	160	154	KK-05
1"	18	86	160	164	KK-05
1-1/4"	25	111	160	178	KK-05
1-1/2"	32	126	196	203	KK-10
2"	40	143	196	225	KK-10
2-1/2"	50	200	255	290	KK-20

电动卫生级球阀
Sanitary Electrical ball valve

Q981F-10P/R





- ◆公称直径：1/2"~4"
- ◆压力范围：0 - 1.0 MPa
- ◆介质温度：-20℃~+180℃
- ◆环境温度：-20℃~+60℃
- ◆阀体材质：不锈钢
- ◆密封：聚四氟乙烯
- ◆执行机构：铝合金
- ◆控制电压：DC24V,AC24V,AC220V,AC380V.
- ◆控制功能：开关型，调节型
- ◆标准：DIN,ISO,SMS,3A,IDF
- ◆适用介质：水、气、油、酸、碱等

- ◆Nominal diameter: 1/2"~4"
- ◆Pressure range: 0-1.0Mpa
- ◆Medium Temp: -20℃~+180℃
- ◆Environment Temp: -20℃~+60℃
- ◆Body material: Stainless steel
- ◆Sealing: PTFE
- ◆Body of actuator: Aluminium alloy
- ◆Control Voltage: DC24V,AC24V,AC220V,AC380V.
- ◆Control feature: ON-OFF Type,Intelligent regulating type.
- ◆Standard: DIN,ISO,SMS,3A,IDF
- ◆Applicable medium: water, gas, oil, acid, alkali, etc

外形连接尺寸 Overview Dimension

规格ISO(B)	d	D	L	A	H	执行器Actuator
Φ19	16	50.5	101	160	173	KK-05
Φ25	21	50.5	117	160	178	KK-05
Φ32	29	50.5	125	160	185	KK-05
Φ38	35	50.5	140	160	194	KK-05
Φ45	42	64	155	160	216	KK-05
Φ61	47	64	165	196	235	KK-10
Φ57	53	77.5	170	196	240	KK-10
Φ63	59	77.5	176	196	253	KK-10
Φ76	72	91	220	196	260	KK-10
Φ89	85	106	240	196	270	KK-10
Φ102	97	119	270	255	286	KK-20
Φ114	108	130	320	255	297	KK-20
Φ133	125	145	400	255	314	KK-40
Φ159	150	172	480	255	342	KK-40

备注：根据不同的阀门扭矩，不同的气源压力及不同的实际工况，选择相匹配的执行器其相关外形尺寸也随之变化
Note: Depending on the valve torque, different air pressure and different physical conditions, choose to match its associated actuator dimensions also changes

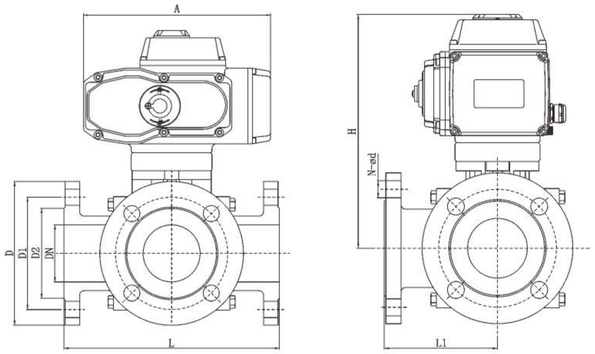
电动三通法兰球阀
Electric 3-way flange ball valve

Q944(5)F(N、P、H、Y)-PN16、25



- ◆公称直径：DN15-DN200
- ◆压力范围：1.6Mpa-2.5Mpa
- ◆介质温度：-20℃~ + 180℃
- ◆环境温度：-20℃~ + 60℃
- ◆阀体材料：不锈钢、铸钢
- ◆密封：聚四氟乙烯
- ◆执行机构：铝合金
- ◆控制压力：3-8bar
- ◆控制功能：双作用、单作用
- ◆标准：L型,T型
- ◆适用介质：水、气、油、酸、碱等
- ◆法兰标准：JB、GB、ISO、HG、ASME、JIS等

- ◆Nominal diameter：DN15-DN200
- ◆Pressure range：1.6Mpa-2.5Mpa
- ◆Medium Temp：-20℃~+180℃
- ◆Environment Temp：-20℃~+60℃
- ◆Body material：Stainless steel、Cast steel
- ◆Sealing:PTFE
- ◆Body of actuator：Aluminium alloy
- ◆Control pressure：3-8bar
- ◆Control feature：Double acting、Single acting
- ◆Standard：L-type、T-type
- ◆Applicable medium: water, gas, oil, acid, alkali, etc
- ◆Flange standards: JB, GB, ISO, HG, ASME, JIS, etc

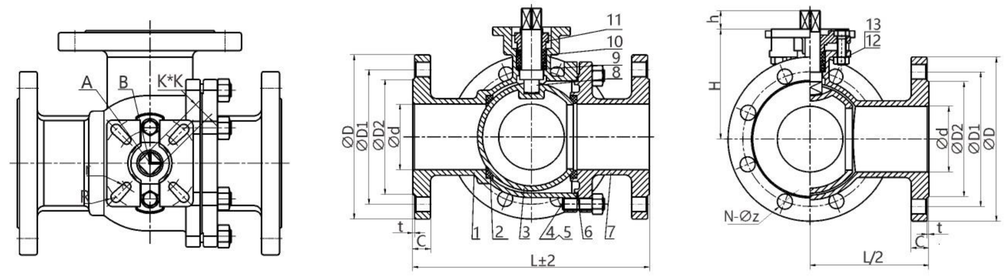


外形连接尺寸GB PN16 Overview Dimension

SIZE	L	L1	D2	D1	D	N-Φd	A	H	执行器Actuator
DN15	150	75	46	65	95	4-Φ14	165	200	KK-05
DN20	160	80	56	75	105	4-Φ14	165	210	KK-05
DN25	180	90	65	85	115	4-Φ14	212	240	KK-10
DN32	200	100	76	100	140	4-Φ18	212	250	KK-10
DN40	220	110	84	110	150	4-Φ18	259	310	KK-20
DN50	240	120	99	125	165	4-Φ18	259	320	KK-20
DN65	260	130	118	145	185	8-Φ18	259	335	KK-40
DN80	280	140	132	160	200	8-Φ18	259	365	KK-60
DN100	320	160	156	180	220	8-Φ18	284	420	KK-100
DN125	380	190	184	210	250	8-Φ18	284	440	KK-200
DN150	440	220	211	240	285	8-Φ22	284	470	KK-200
DN200	550	275	266	295	340	12-Φ22	500	700	KK-400

高平台L型三通球阀
Mechanical Department High Platform L type three-way ball valve

Q44F-16P



尺寸 Dimensions （化工部 Ministry of Chemical Industry）

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N– z
1"	25	115	85	65	18	2	180	70	70	/	3.5	/	11*11	12	4- 14
1¼"	32	140	100	78	18	2	200	80	70	/	4.5	/	11*11	12	4- 18
1½"	40	150	110	85	18	3	220	85	70	50	4.5	3.5	14*14	15	4- 18
2"	50	165	125	100	18	3	240	100	70	/	4.5	/	17*17	18	4- 18
2½"	65	185	145	120	18	3	260	110	102	70	5.5	4.5	17*17	18	6- 18
3"	80	200	160	135	20	3	280	135	102	70	5.5	4.5	19*19	20	8- 18
4"	100	220	180	155	20	3	320	150	102	70	5.5	4.5	22*22	23	8- 18

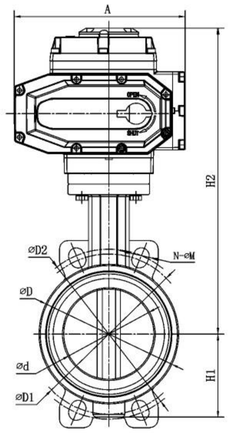
尺寸 Dimensions （机械部 Machinery Department）

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N– z
1"	25	115	85	65	14	2	180	62	70	/	3.5	/	11*11	12	4- 14
1¼"	32	135	100	78	16	2	200	72	70	/	4.5	/	11*11	12	4- 18
1½"	40	145	110	85	16	3	220	78	70	/	4.5	/	14*14	15	4- 18
2"	50	160	125	100	16	3	240	86	70	/	4.5	/	17*17	18	4- 18
2½"	65	180	145	120	18	3	260	102	102	70	5.5	4.5	17*17	18	4- 18
3"	80	195	160	135	20	3	280	115	102	70	5.5	4.5	19*19	20	8- 18
4"	100	215	180	155	20	3	320	137	102	70	5.5	4.5	22*22	23	8- 18

电动对夹蝶阀
Electrical wafer butterfly valve

D971X-16C





- ◆公称直径:DN40-DN300
- ◆压力范围:0-1.0MPa
- ◆工作温度:-20℃~+160℃
- ◆阀体:灰色铸铁，球墨铸铁，铸钢、不锈钢
- ◆阀瓣:球墨铸铁，铸钢，不锈钢、镍合金
- ◆特点:双向密封零泄漏，无销钉结构
- ◆介质:饮用水、污水、高纯度水、海水、空气
- ◆密封:NBR,EPDM,FPM,聚四氟乙烯
- ◆控制电压：DC24V,AC24V,AC220V,AC380V.
- ◆控制功能：开关型，调节型

- ◆Nominal diameter：DN40-DN300
- ◆Pressure range：0-1.0Mpa
- ◆Working Temp：-20℃~+160℃
- ◆Body：gray cast-iron、ductile cast iron、Cast steel、Stainless steel
- ◆Disc：ductile cast iron、Cast steel、Stainless steel、nickel alloy
- ◆Features: Two-way seal zero leakage, no pin structure
- ◆Medium：drinking water、sewage、high purity water、seawater、air
- ◆Sealing：NBR;EPDM;FPM,PTFE
- ◆Control Voltage: DC24V,AC24V,AC220V,AC380V.
- ◆Control feature: ON-OFF Type,Intelligent regulating type.

电动执行器主要技术参数 Pneumatic Actuator Main Technical Parameters

电动执行器 Electrical actuators	型号Model	KK系列、OXMA系列、AOX系列
	控制电压Air Supply	DC24V,AC24V,AC220V,AC380V
	旋转角度Angle of rotary	0°~90°
	控制功能 Control feature	开关型，调节型ON-OFF Type,Intelligent regulating type.
	控制信号Control signal	电信号Electric signal：0~10mA 4mA~20mA 气信号Gas signal：0.02MPa~0.1MPa
	介质Medium	饮用水、污水、高纯度水、海水、空气drinking water、sewage、high purity water、seawater、air
	工作温度Working temperature	-20℃~+80℃

外形连接尺寸 Overview Dimension

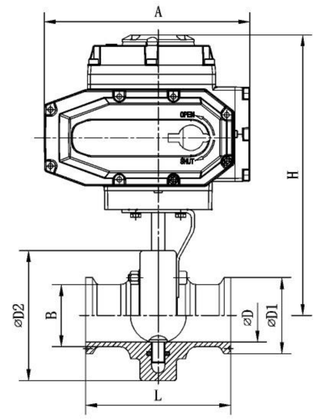
单位（mm）

型号 Model	d	L	D	D1	D2	A	H1	H2	N-ΦM	执行器 Actuator
DN50	50.8	40.5	89	120	125	160	62	276.5	4-Φ18	KK-05
DN65	63.8	43.7	106	139	145	160	70	291.5	4-Φ18	KK-05
DN80	76.2	43.7	124	152	160	160	80	306.5	4-Φ19	KK-05
DN100	102	50	152	180	190.5	196	93	335	4-Φ19	KK-10
DN125	123	52	180	210	216	196	108	351	4-Φ23	KK-10
DN150	146.5	53.2	200	240	241.5	255	120	370	4-Φ23	KK-20
DN200	203	60	262	295	298.5	255	152	392	4-Φ23	KK-40
DN250	252	68	315	350	362	255	182	447	4-Φ26	KK-60
DN300	302	78	468	400	432	309	218	504	4-Φ26	KK-100

卫生级电动蝶阀
Sanitary Electrical butterfly valve

D981X-10P/R





- ◆公称直径: DN15 - DN100
- ◆压力范围: 0-10bar
- ◆工作温度: -20℃~ + 120℃
- ◆CSM密封:三元乙丙橡胶、硅橡胶
- ◆阀体: SS304;SS316L
- ◆阀瓣: SS304;SS316L
- ◆特点: 双向密封零泄漏，蝶板外圆球形设计，无销钉结构
- ◆介质: 饮用水、高纯度水,海水、空气
- ◆控制电压：DC24V,AC24V,AC220V,AC380V.
- ◆控制功能：开关型，调节型
- ◆连接标准: 3A、DIN、ISO、SMS

- ◆Nominal diameter：DN15-DN100
- ◆Pressure range：0-10bar
- ◆Working Temp：-20℃~+120℃
- ◆Sealing：EPDM,CSM,SIlicon rubber
- ◆Body：SS304、SS316L
- ◆Disc：SS304、SS316L
- ◆Feature：Two-way sealing with zero leakage, outer spherical design of butterfly plate, no pin structure
- ◆Medium：drinking water、high purity water、seawater、air
- ◆Control Voltage: DC24V,AC24V,AC220V,AC380V.
- ◆Control feature: ON-OFF Type,Intelligent regulating type.
- ◆Connection standard: 3A, DIN, ISO, SMS

外形连接尺寸 Overview Dimension

单位（mm）

规格ISO(B)	D	D1	D2	L	A	H	执行器Actuator
Φ19	16	25.2	78	66	160	175.5	KK-05
Φ25	22	50.5	78	66	160	175.5	KK-05
Φ32	29	50.5	78	66	160	179.5	KK-05
Φ38	35	50.5	86	70	160	183.5	KK-05
Φ45	42	64	90	74	160	189.5	KK-05
Φ51	47	64	100	76	160	193.5	KK-05
Φ57	53	77.5	106	78	160	197.5	KK-05
Φ63	59	77.5	115	80	160	201.5	KK-05
Φ76	72	91	128	84	160	207.5	KK-05
Φ89	85	106	139	90	160	211.5	KK-05
Φ102	97	119	154	104	196	243	KK-10
Φ108	102	119	159	106	196	255	KK-10
Φ133	125	145	185	140	255	282	KK-20
Φ159	150	172	215	260	255	302	KK-20

备注：根据不同的阀门扭矩，不同的气源压力及不同的实际工况，选择相匹配的执行器其相关外形尺寸也随之变化

Note: Depending on the valve torque, different air pressure and different physical conditions, choose to match its associated actuator dimensions also changes

电动执行器系列 ELECTRIC ACTUATOR SERIES Kinko

没有电动软/硬法兰蝶阀

室外安装注意事项

- 请加装遮盖整机的防护罩，避开雨水的阳光直射;
- 请预留进线、手动时所需的空间。

* 注: 室外阳光直射会造成高温，加热元器件的老化，甚至失效；雨水会加速胶垫的老化，并在万一防水操作不当时，瞬间损坏产品。

环境温度、流体温度条件

- 环境温度应在-20℃~+60℃范围内。

* 注: 在零度以下或温差比较大的环境使用时，应使用带有防止结露的除湿加热器的机型。

- 当流体温度较高时，应使用高温型的连接架和接头将驱动装置安装在阀门上。

安装

室内安装注意事项

- 属非防爆产品，不要安装在有爆炸性气体的室内;
- 安然在有水和原料飞溅的地方时，请加装遮盖整机的防护罩，以策万全;
- 请预留进线、手动时所需的空间。

使用与维护

通电时禁止手动操作

本产品出厂前已经通过全面调试、质检人员检验，产品与阀门安装、连接时，可能因阀门联轴器等原因，导致阀门不能全闭、全开、需要重新调整，调整时应遵循以下步骤:

- 将执行机构与阀门正确安装、连接;
- 手动试运行

卸下电气盖，摘下手柄轴橡胶塞，将附带门角手柄插入六角孔，顺时针方向转动，阀门开度应减少;

阀门在全闭位置时，观察关闭方向极限行程开关是否动作(开关动作时会发出"咔嚓"声响)再转动手柄约半圈，检查机械挡块是否碰到调整螺钉;

逆时针方向转动手柄，阀门开度应增大，同样方法，检查开启方向极限行程开关和机械挡块，手动运行完毕后，装上气盖，塞好橡胶塞;

- 电动试运行

卸下接线盖，按盖上电路图正确接线;

通电试运行，注意观察执行机构和阀门工作是否正常。

- 维护

针对本产品的结构紧密特性，特别使用了寿命长，耐压性好的钼基润滑脂，实现免加油;电动阀门长时间不动作或者动作稀少时，请定期检查驱动执行机构有无异常。

Cautions for Outdoor Installation

- Please install a shield to cover the product to avoid rain or direct sunlight;
- Space is needed for inlet wiring or manual operation.

* Notes: The sunlight outdoor would lead to high-temperature which can accelerate aging of components and even losing effectiveness; The rain would accelerate aging of rubber-pad. Moreover, failure to avoid rain will lead to damage to product.

Ambient Temperature and Fluid Temperature Condition

- Ambient temperature shall be between -20℃ and +60℃.

* Notes: Actuator with damp heater shall be chosen when it is applied in place with temperature below zero centigrade or with largetemperature gap.

- High-temperature connector shall be used to mount the actuator on valve if the fluid temperature is high.

Installation

Cautions for Indoor Installation

- Products can' t be installed in the room with explosive air unless they are of anti-explosive;
- Please install a shield to cover the product for safety if the product is installed in a place with water or raw material;
- Space is needed for inlet wiring or manual operation.

LSDTK and LSDTP Use and maintenance

The manual operation is banned during electrification

This product has pass completely-test and checkout conducted by quality-test workers before ex-factory. In the process of installation, connection between product and valve, the valve maybe can' t be wholly opened and closed because of valve s coupling problem etc, in this case, the readjusting is required , its process stated specifically as followings:

- Firstly, installing and connecting correctly the execution device and valve;

- Manually test-run

Unload electric cover and handle -axle rubber stopper, then inserting enclosed hexagonal handle into hexagonal hould and rota-ting it in clockwise direction, the valve' s opening valve would be reduced;

When valve at wholly - closed position, please observe whether the limit stroke switch in"close" direction works or not (it will p-roduce crack sound when working), then rotate handle for semi-circle so as to check whether the mechanical stop touches regulation screw or not;

Rotating handle in anticlodkwise direction and the valve s opening value would increase, then like the operation above stated,operator should check the limit stroke switch and mechanical stop. After manually test-run, operator should install the electric cover and rubber stopper.

- Electric test-run

Unload wiring cover and doing wiring correctly according to circuit drawing on cover;

Electrifying for test-rim, operator should tale notice of working circumstance of execution device and valve.

故障与对策

Failure and Countermeasure

故障状态 Failure Status	原因 Reason	对策 Countermeasure
电机不转 Motor doesn't rotate	供给电源电压低或者电源没有 The power supply and voltage is low, or no power supply	电源电压的检查 Check power and voltage
	输入信号断或值不够 Input signal suspends or the value is not enough	输入信号的检查 Check input signal
	断线或与端子台分离 Break line is separated from terminal stand	接好电线、更换端子台 Connect wire and replace terminal stand
	温度保护器动作 Temperature protector works	降低周围环境温度 Lower the ambient temperature
		降低使用频率 Reduce use frequency
		负荷过重 Load is too heavy
	极限开关在中间开度时已经动作 Limit switch actions at the middle openness	调整行程挡块 Adjust stroke blocker
	电机进相用电容损坏 Capacity used for motor enter-phase is damaged	更换电容 Replace the capacity
	电机断线 Motor is disconnected	更换马达 Replace the motor
	控制盒不良 Control box is damaged	更换控制盒 Replace the control box
开度不停地来回变化 The openness varies continuously	信号源里有干扰信号 There is interruption signal in signal source	检查输入信号 Check input signal
	从分压器里产生干扰 The interruption is produced from potentionmeter	更换电位器 Replace potentiometer
	分压器齿轮或开度齿轮松动 The gear of potentionmeter or opening are loosened	检查紧固齿轮的螺钉 Check screw of tightening gear
输入信号与开度不符 The input signal doesn't conform with opening	输入信号不对 Input signal is wrong	检查输入信号 Check input signal
	调零、倍率的调整不良 Adjustment of zeroing, multiplying-power has problem	重调倍率零点 Readjust multiplying-power to zero position
	电位器齿轮的位置变化 Position of potentiometer gear is changed	电位器齿轮的再调整 Readjust the potentiometer gear
开度信号没有 No opening signal	开度信号线断开或接触不良 Opening signal line is disconnected or connection has problem	检查配线 Check wiring

Kinko 金科流体
—KINKO-FLOW—

3

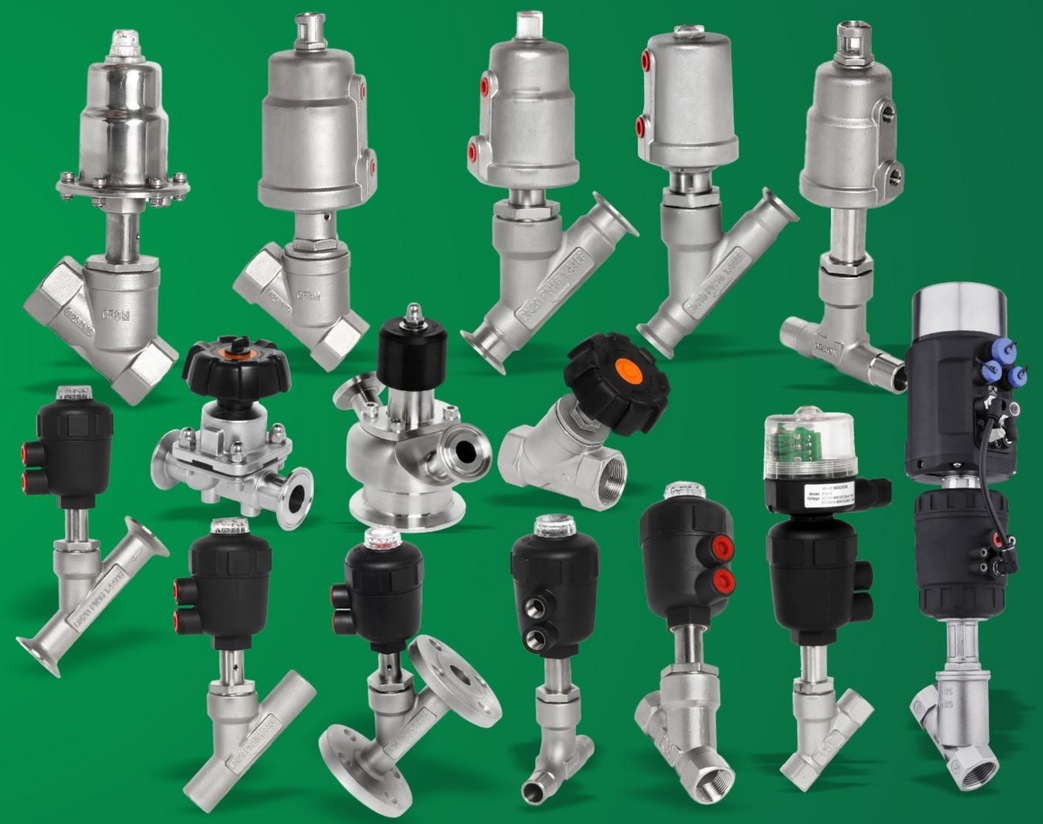
角座阀系列
ANGLE SEAT VALVE SERIES

专业生产 品质保证
Professional production，quality assurance



Kinko 金科流体

铸造辉煌，唯有品质
Casting brilliant, only has the quality

















PN25



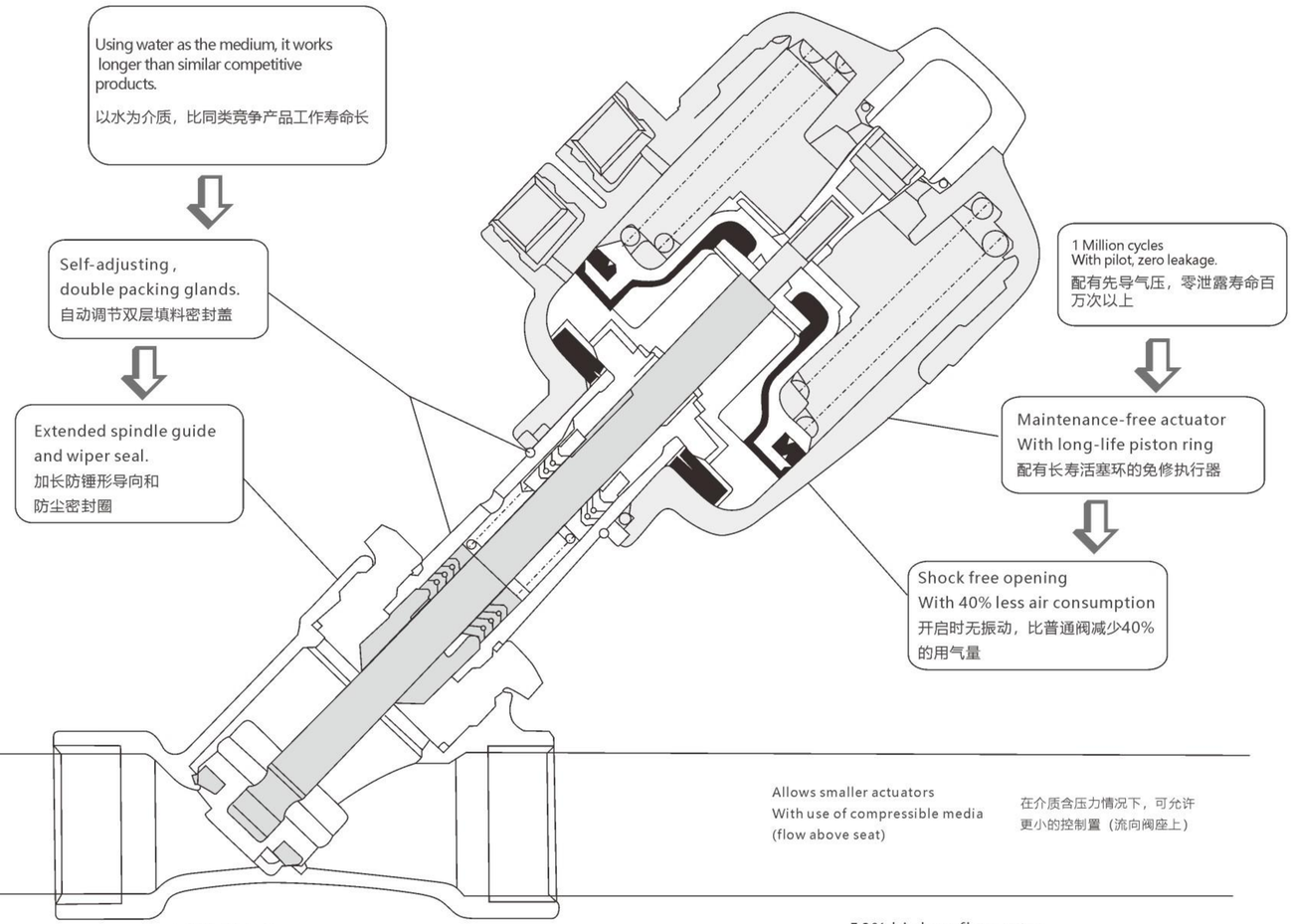

角座阀系列 ANGLE SEAT VALVE SERIES Kinko

一劳永逸
事实证明KINKO角座阀工作寿命超过一百万次

Facts have proved KINKO angle valve seat which working life over a million times

50% more economical than ball valves
比球阀经济50%
Longer working life than ball valve
比球阀工作寿命长
Compact Design
精密的设计
Fast Response
反应敏捷
Water hammer-free
水击作用极小

易安装
Easy to install
气控接口可在360°上
任意选定位置
Motor control interface on the 360 °
Any position can be choose



Water hammer-free
(Flow below seat)
无水击作用
(流向阀座下)

Many connection options
Weld ends, threaded ports,
Tri-Clamp and flange connections.

多种连接方式
焊接，螺纹口，快装式和法兰。

Allows smaller actuators
With use of compressible media
(flow above seat)

在介质含压力情况下，可允许更小的控制置（流向阀座上）

50% higher flow rates
than the Globe valves
比截止阀高50%的流速

食品和饮料流水线
Food and beverage

可控介质比如：空气，水，高达180℃蒸汽，碱性溶液和真空
Processing industries control of mediums such as air, water, steam up to 180℃, lye, vacuum

纺织印染和漂白
Textile dyeing and bleaching

可控水，高达180℃的蒸汽，苏打液
Control of water, steam up to 180℃
Corium hypochlorite

医院和制药工业消毒高压灭菌器
Sterilizers and auto-claves for hospitals and the pharmaceutical industry

可控蒸汽高达 180℃的水
Control of steam ,hot water up to 180℃

洗衣
Laundries

可控水，蒸汽，洗涤剂
Control of water, steam, washing agents

工业洗涤设备和溶解设备
Control of solvents, steam, vacuum

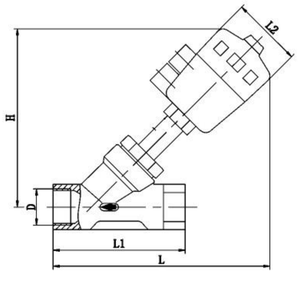
可控溶剂，蒸汽和真空
Industrial washing equipment and solvent recovery systems

机械制造
Machine tools

可控冷却液
Control of coolant agents

塑料头螺纹角座阀
Plastic threaded Angle seat valve





产品特点 Product feature

- ◆流量大、流阻小、无水锤
- ◆Y型设计、增加30%流量
- ◆超长使用寿命
- ◆阀座自动校正、自润滑、免维护
- ◆气缸采用不锈材质或聚酰胺PA能满足恶劣的环境中使用
- ◆可任意位置安装、可360°旋转
- ◆Large flow, small flow resistance, no water hammer
- ◆Y type design, a 30% increase in traffic
- ◆Long service life
- ◆The seat automatic correction, self-lubricating, maintenance free
- ◆Cylinder adopts stainless material or polyamide PA can satisfy the use in harsh environment
- ◆Can be installed in any position, can rotate 360 °

应用范围 Application

- ◆啤酒饮料灌装设备
- ◆制药及医疗设备
- ◆水及污水处理设备
- ◆印染纺织、发泡机械
- ◆化工行业、高温灭菌
- ◆气体行业
- ◆Beer beverage filling equipment
- ◆Pharmaceutical and medical equipment
- ◆Water and wastewater treatment equipment
- ◆Printing and dyeing textile, foam machinery
- ◆The chemical industry, high temperature sterilization
- ◆The gas industry

外形尺寸 Dimension

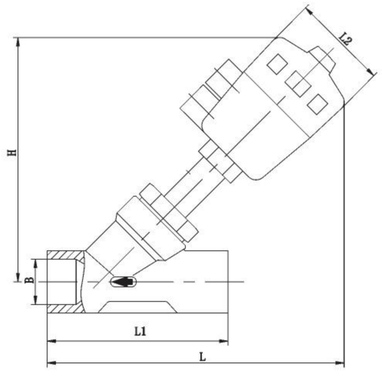
型号 Type	执行器 Actuator(mm)	L	L1	L2	D	H
DN10	40	135	65	53	G3/8"	110
DN15	50	173	85	64	G1/2"	137
DN20	50	178	95	64	G3/4"	145
DN25	63	210	105	80	G1"	185
DN32	63	220	120	80	G1-1/4"	180
DN40	63	228	130	80	G1-1/2"	180
DN50	80	268	150	100	G2"	215
DN65	100	282	185	126	G2-1/2"	300
DN80	100	368	220	126	G3"	340

塑料头焊接角座阀
Plastic welding Angle seat valve

技术数据
大小：DN15-DN80
线程：G1/2"-G3
主体材料：CF8M
阀座材料：聚四氟乙烯
阀杆材料：SS316
活塞密封圈：丁腈橡胶

Technical Data
size:DN15-DN80
Thread:G1/2"-G3
Body material:CF8M
Seat material:PTFE
Stem material:SS316
Piston sealing ring:NBR





- ◆适用介质：水、液体、中性的气、水蒸汽。
- ◆温度范围：聚四氟乙烯:-20℃+ 180℃
- ◆环境温度：-20℃+ 60℃
- ◆粘度：max 600mm²/s
- ◆安装：任何位置
- ◆流方向：阀座上/下
- ◆控制介质：空气或中性的气体
- ◆控制压力：0.4MPa-0.8MPa

- ◆Applicable medium:Water,liquid, neutral gas,water steam.
- ◆Temperature range:PTFE:-20℃ to+180℃
- ◆Ambient temperature:-20℃ to+60℃
- ◆Viscosity:max 600mm²/s
- ◆Installation:Any position
- ◆Flow direction:Above/Under the seat
- ◆Controlling medium:Air or neutral gas
- ◆Air supply:0.4MPa-0.8MPa

外形尺寸 Dimension

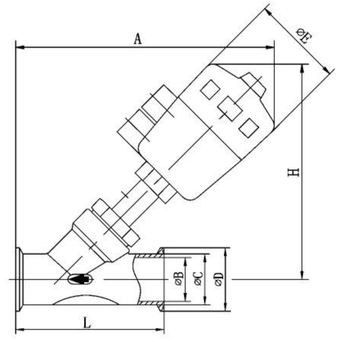
型号 Type	执行器 Actuator(mm)	L	L1	L2	B	H
DN15	50	180	100	64	15	137
DN20	50	185	120	64	20	145
DN25	63	210	140	80	25	173
DN32	63	240	155	80	35	210
DN40	63	250	170	80	38	260
DN50	80	330	190	100	48	300
DN65	100	410	220	126	68	350
DN80	100	430	250	126	80	375

塑料头快装角座阀
Plastic Tri-clamp Angle seat valve

外部先进导角座阀，溢流口与滑块间有自调节密封压盖，阀体角座结构可实现较大流量，特别是与普通截止阀相比时。

External advanced angle seat valve , especially compare with the globe valves , there is adjustment sealing gland between over flow drain and slider, body structure can enforce more flow rate, especially compare with the normal globe valves.





技术参数 Technical data

- ◆压力范围Pressure range:0-16bar
- ◆介质温度Medium temperature:-20℃ ~ +180℃
- ◆环境温度Environmental temperature: -20℃ ~ +60℃
- ◆阀体材料Body material: 不锈钢Stainless steel
- ◆密封材料Sealing material: 聚四氟乙烯PTFE
- ◆执行机构外壳Actuator material: 聚酰胺PA
- ◆介质Medium:中性气体、空气、水
  Neutral gas, air, water
- ◆制造标准Manufacturing standard:
  GB、DIN、ISO、SMS、3A

选取 Option

- ◆控制功能Control functions：常开Normally open
- ◆PPS执行机构外壳适用于环境温度：+5℃ ~ +130℃
  PPS Actuator material suitable for environmental temperature: +5℃ ~ +130℃
- ◆无复位弹簧双作用执行机构No return spring double acting actuators
- ◆快装式连接Tri-clamp connection
- ◆电子式位置反馈Electronic position feedback
- ◆独立可调行程极限，适于高低流量
  Independent adjustable stroke limit ,suitable for high & low Flow rate .
- ◆手动应急开关Manual emergency switch
- ◆先导阀适用的Namur适配器Pilot valve suitable Namur adapter

外形尺寸 Dimension

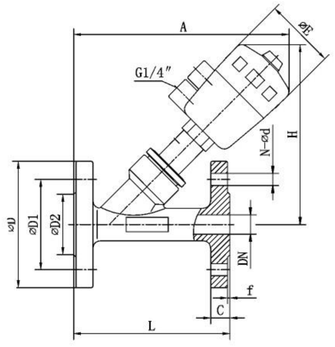
规格Size	L	B	C	D	H	A	E	执行器 Actuator(mm)
DN15	120	15	21	34/50.5	137	180	64	Φ50
DN20	140	20	25	34/50.5	145	185	64	Φ50
DN25	160	25	33	50.5	173	210	80	Φ63
DN32	176	35	40	50.5	210	240	80	Φ63
DN40	190	38	44	50.5	260	250	80	Φ63
DN50	210	48	56	64	300	330	100	Φ80
DN65	210	58	64	77.5/91	315	380	126	Φ100
DN80	225	68	77	91/106	330	405	126	Φ100

塑料头法兰角座阀
Plastic Flange Angle seat valve

外部先进导角座阀，溢流口与滑块间有自调节密封压盖，阀体角座结构可实现较大流量，特别是与普通截止阀相比时。

External advanced angle seat valve , especially compare with the globe valves , there is adjustment sealing gland between over flow drain and slider, body structure can enforce more flow rate, especially compare with the normal globe valves.





选取 Option

- ◆控制功能Control functions：常开Normally open
- ◆PPS执行机构外壳适用于环境温度：+5℃ ~ +130℃
  PPS Actuator material suitable for environmental temperature: +5℃ ~ +130℃
- ◆无复位弹簧双作用执行机构
  No return spring double acting actuators
- ◆法兰式连接
  Flange connection
- ◆电子式位置反馈
  Electronic position feedback
- ◆独立可调行程极限，适于高低流量
  Independent adjustable stroke limit , suitable for high & low Flow rate .
- ◆手动应急开关
  Manual emergency switch
- ◆先导阀适用的Namur适配器
  Pilot valve suitable Namur adapter

技术参数 Technical data

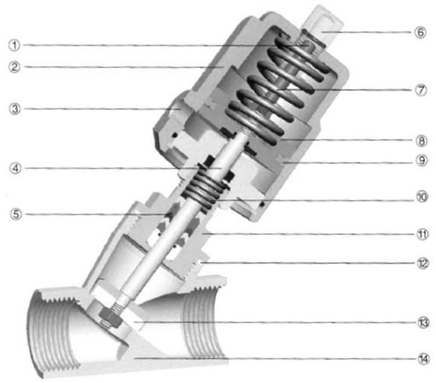
- ◆压力范围Pressure range:0-16bar
- ◆介质温度Medium temperature:-20℃ ~ +180℃
- ◆环境温度Environmental temperature: -20℃ ~ +60℃
- ◆阀体材料Body material:不锈钢Stainless steel
- ◆密封材料Sealing material:聚四氟乙烯PTFE
- ◆执行机构外壳Actuator material:聚酰胺PA
- ◆介质Medium:中性气体、空气、水
  Neutral gas, air, water
- ◆制造标准Manufacturing standard:
  GB、ISO、DIN
- ◆法兰标准Flange standard
  JB、GB、HG、ASME、DIN、JIS、ISO

外形尺寸 Dimension

规格Size	执行器 Actuator(mm)	L	A	H	D	D1	D2	T	f	N-Φd	E
DN15	Φ50	120	180	137	95	65	40	14	2	4-Φ14	64
DN20	Φ50	130	185	145	105	75	50	14	2	4-Φ14	64
DN25	Φ63	140	210	173	115	85	60	14	2	4-Φ14	80
DN32	Φ63	150	240	210	135	100	70	16	2	4-Φ18	80
DN40	Φ63	180	245	260	145	110	80	16	2	4-Φ18	80
DN50	Φ80	195	295	300	160	125	92	16	2	4-Φ18	100
DN65	Φ100	230	320	315	185	145	115	18	2	4-Φ18	126
DN80	Φ100	250	330	330	195	160	130	18	2	8-Φ18	126
DN100	Φ125	280	360	350	215	180	150	18	2	8-Φ18	156

2000Y系列不锈钢气动角座阀
Stainless steel pneumatic angle seat valve

1.指示杆Indication Rod (nylon)
2.气缸Actuator(CF8)
3.进气孔Pilot Port(1/8")
4.阀杆Stem(ANSI 316/304)
5.阀杆密封组件Stem Seal (PTFE)
6.视窗Cap(PC)
7.弹簧Spring (Steel 60Si2MnA)
8.活塞Piston(Alu. alloy)
9.活塞环Piston Seal(Vinton)
10.密封弹簧Seal Spring(AISI304)
11.连接Connecting Piece(CF8M/CF8)
12.阀体密封垫Body Seal (PTFE)
13.阀芯密封垫Seat(PTFE)
14.阀体Body(CF8M/CF8)



工作原理 Function Principle

在非工作状态时，由于弹簧力作用，阀门常闭（开）。当执行器活塞被压缩气体作用时，阀门打开（关闭）。双作用形式靠压缩气体控制阀门开关。

Valve is closed (open) with spring force, when the piston is actuated by compressed air, valve is open (closed). For the double acting type, the valve is open and closed by compressed air.

应用范围: Applications

- ◆啤酒饮料灌装设备
- ◆印染纺织
- ◆气体工业
- ◆制药及医疗设备
- ◆化工行业
- ◆高温灭菌
- ◆发泡机械
- ◆水/污水处理

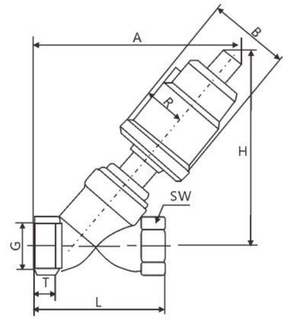
- ◆Bear & Drinks Filling Machinery
- ◆Textile Printing & Dying
- ◆Gas Industry
- ◆Pharmacy & Medical Equipment
- ◆Chemical Industry
- ◆Disinfection
- ◆Frothing Equipment
- ◆Water/Sewage Disposal

技术参数 Technical Data

管道压力Fluid Pressure	Max 1.6MPa(232 psi)
控制压力Control Pressure	0.4MPa-0.8MPa(58psi-116psi)
控制介质Control medium	中性气体或空气Neutral gas or Air
阀体材料Body Material	CF8M/CF8
密封材料Seals Material	PTFE
气缸材料Actuator Material	CF8
气缸尺寸Actuator Size	50mm,63mm,80mm,100mm
适用介质Applicable Medium	水，酒精，油，燃料，蒸汽，中性气体或液体，有机溶剂，酸碱溶液 Water, Alcohol, Oil, Fuel, Steam, Neutral gas or liquid, Organic solvent, Acid and lye
介质粘度Medium Viscosity	Max 600mm²/S
介质温度Medium Temperature	-20℃-+180℃
环境温度Ambient Temperature	-20℃-+60℃
控制形式Control Type	标准常闭、常开、双作用Normally closed, Normally open, Double acting
连接形式Connection	螺纹式，焊接式，快装式，法兰式Threaded(BSP, NPT),Welded, Tri-clamp, Flanged

2000Y系列不锈钢气动角座阀
Stainless steel pneumatic angle seat valve





螺纹式
Threaded Connection

特点 Advantages

- ◆流量大、流阻小、无水锤
- ◆Y型设计，增加30%流量
- ◆超长使用寿命
- ◆阀杆自动校正，自润滑，免维护
- ◆气缸采用不锈钢材质，在恶劣的环境中更加优秀，可360°旋转安装。

- ◆Large flux, low resistance, no water-hammer
- ◆Y-type shape enlarged the flowing section, which could raise the flux by 30% and make flow more smooth.
- ◆Super Long Life
- ◆Which help the stem adjust and lubricate itself automatically.
- ◆The cylinder material is stainless steel. Lubricating automatically,360° rolling freely.

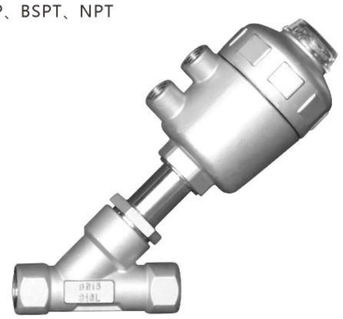
外形尺寸 Dimension

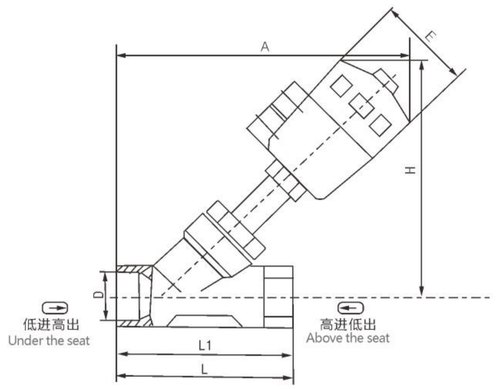
规格 Size	执行器 Actuator (mm)	B	R	H	螺纹式Threaded Connection				
					G	T	A	L	SW
DN10	40	50.5	27	112	3/8"	12	124	68	27
	50	60	33	125			135		
DN15	40	50.5	27	112	1/2"	15	124	68	27
	50	60	33	125			135		
DN20	50	60	33	132	3/4"	16	140	75	32
DN25	50	60	33	136	1"	17	150	90	40
	63	75	41	162			172		
Dn32	63	75	41	174	1¼"	21	190	116	50
	80	106	55	223			235		
DN40	63	75	41	175	1½"	21	190	116	56
	80	106	55	223			235		
DN50	63	75	41	183	2"	22	205	138	69
	80	106	55	232			250		
	100	148	74	287			294		
DN65	80	106	55	265	2½"	26	285	178	85
	100	148	74	302			320		
DN80	100	148	74	313	3"	27	372	210	100

全不锈钢螺纹角座阀
Stainless steel Thread Angle seat valve

螺纹标准 Thread standard

•G、BSP、BSPT、NPT





外形尺寸 Dimension

普通型 Standard Type　　高进低出

Type	L	A	H	D	E	执行器Actuator(mm)
DN10	65	165	120	3/8"	64	Φ50
DN15	86	172	137	1/2"	64	Φ50
DN20	95	178	145	3/4"	64	Φ50
DN25	105	210	165	1"	64	Φ50
DN32	120	220	180	1¼"	80	Φ63
DN40	130	228	190	1½"	80	Φ63
DN50	150	265	245	2"	100	Φ80
DN65	185	282	272	2½"	100	Φ80
DN80	220	362	302	3"	126	Φ100
DN100	235	420	395	4"	156	Φ125

防水锤型 Waterproof type　　低进高出

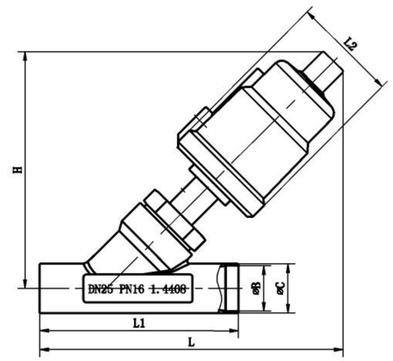
Type	L	A	H	D	E	执行器Actuator(mm)
DN10	65	155	120	3/8"	64	Φ50
DN15	86	163	141	1/2"	64	Φ50
DN20	95	180	145	3/4"	64	Φ50
DN25	105	212	181	1"	80	Φ63
DN32	120	240	200	1¼"	100	Φ80
DN40	130	243	202	1½"	100	Φ80
DN50	150	270	285	2"	126	Φ100
DN65	185	340	284	2½"	126	Φ100
DN80	220	400	335	3"	156	Φ125
DN100	235	405	365	4"	156	Φ125

全不锈钢焊接角座阀
Stainless steel welding Angle seat valve

技术数据
焊接口:Φ19-Φ89
阀体:CF8 / CF8M
阀座密封:PTFE
阀杆密封:PTFE
活塞密封:NBR

Technical Data
Welding port:Φ19-Φ89
Body:CF8 / CF8M
Seat Seals:PTFE
Stem seals:PTFE
Piston seats:NBR





•适用介质：水、液体、中性的气、水蒸汽。
•温度范围：聚四氟乙烯:-20℃+ 180℃
•环境温度：-20℃+ 60℃
•粘度：Max 600mm²/s
•安装：任何位置
•流方向：阀座上/下
•控制介质：空气或中性的气体
•控制压力：0.4MPa-0.8MPa

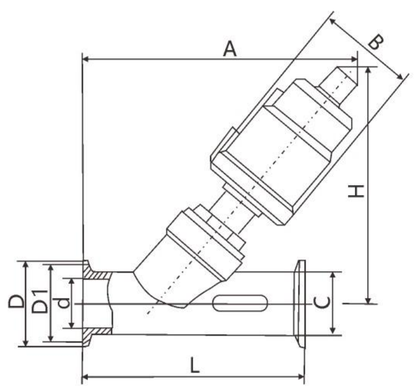
•Applicable medium:Water,liquid, neutral gas,water steam.
•Temperature range:PTFE:-20℃ to+180℃
•Ambient temperature:-20℃ to+60℃
•Viscosity:Max 600mm²/s
•Installation:Any position
•Flow direction:Above/Under the seat
•Controlling medium:Air or neutral gas
•Air supply :0.4MPa-0.8MPa

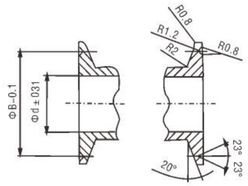
外形尺寸 Dimension

规格Size	型号 Type	执行器 Actuator(mm)	L	L1	L2	B	C	H
Φ19	DN15	50	155	100	62	15	19.5	120
Φ25	DN20	50	160	120	62	22	26	130
Φ32	DN25	63	185	140	76	28.5	32.5	160
Φ38	DN32	63	215	155	76	33	38.5	195
Φ51	DN40	80	265	170	76	46	52	260
Φ63	DN50	80	290	190	96	57	64	295
Φ76	DN65	100	350	220	114	68	77	325
Φ89	DN80	100	380	250	114	80	92	360

全不锈钢快装角座阀
Stainless steel Tri-clamp Angle seat valve







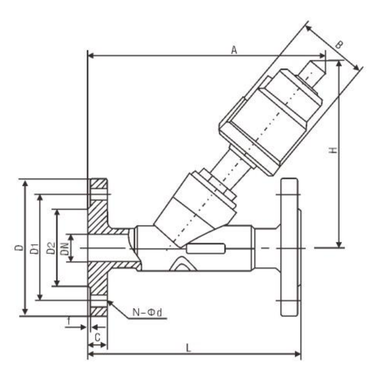
快装接头标准： ISO2852-1993;
可根据客户要求订制;
Tri-Clamp Specification: ISO2852-1993;
Can be special manufacture according to customer's requirements.

外形尺寸 Dimension

规格Size	执行器 Actuator(mm)	D	D1	C	d	L	A	H
DN15	50	34	27.5	19	15	120	140	126
DN20	50	50.5	43.5	25	21	130	148	126
DN25	50	50.5	43.5	32	27	140	165	140
	63						188	166
DN32	63	50.5	43.5	37	31	150	200	174
	80						245	223
DN40	63	64	56.5	40	33	180	210	175
	80						255	223
DN50	63	64	56.5	53	45	195	221	185
	80						265	235

全不锈钢法兰角座阀
Stainless steel Flange Angle seat valve





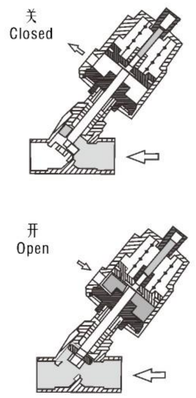
法兰标准： GB/T 9113-2010;ISO/DIN/JIS等标准
可根据客户要求订制
Flange specification: GB/T 9113-2010;ISO/DIN/JIS is also available
Can be special manufacture according to customer's requirements.

外形尺寸 Dimension

规格Size	执行器 Actuator(mm)	A	H	L	F	C	D1	N-Φd	DN	D2	D
DN15	50	160	125	120	2	14	65	4-Φ14	16	45	95
DN20	50	165	132	130	2	14	75	4-Φ14	20	56	105
DN25	50	165	136	140	2	14	85	4-Φ14	25	65	115
	63	185	162								
DN32	63	200	175	150	2	16	100	4-Φ18	32	78	140
	80	245	223								
DN40	63	202	175	180	3	16	110	4-Φ18	38	84	150
	80	246	223								
DN50	63	222	183	195	3	16	125	4-Φ18	49	100	165
	80	266	232								
	125	315	287								
DN65	80	340	285	230	3	18	145	4-Φ18	66	120	185
	125	375	302								
DN80	125	387	313	250	3	20	160	8-Φ18	78	135	200
DN100	125	410	382	280	3	20	180	8-Φ18	96	155	215

管道和控制压力参数表
Pipeline & Pressure control parameter table

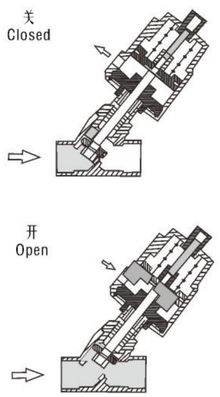
单作用常闭阀阀座上流Single Acting, Normally Closed(NC)-Enter Above Seat



适用于可压缩性介质，例如气体，水蒸汽等；以及压力较低的液体介质。
Suitable for condensable medium, such as air, steam and low pressure liquid medium.

规格Size	接口 Thread	内孔 Orifice (mm)	流量值 Kv(m^3/h)	执行器 Actuator (mm)	压差范围 △P(MPa)	控制压力 Control pressure (Mpa)
DN10	G3/8"	13	3.8	40	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.8
DN25	G1"	24	18.1	50	0-1.6	0.4-0.8
				63	0-1.6	0.4-0.8
DN32	G1¼"	32	23.1	63	0-1.6	0.4-0.8
				80	0-1.6	0.4-0.8
DN40	G1½"	35	32.9	63	0-1.6	0.4-0.8
				80	0-1.6	0.4-0.8
DN50	G2"	45	52.8	63	0-1.2	0.4-0.8
				80	0-1.6	0.4-0.8

单作用常闭阀阀座下流（防水锤）Single Acting, Normally Closed(NC)-Enter Below Seat(NO Water-hammer)

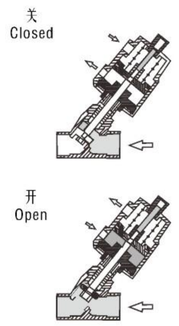


适用于防水锤管道，可承受一定压差。
Flow come from below seat, avoid water hammer

规格Size	接口 Thread	内孔 Orifice (mm)	流量值 Kv(m^3/h)	执行器 Actuator (mm)	压差范围 △P(MPa)	控制压力 Control pressure (Mpa)
DN10	G3/8"	13	3.8	40	0-1.1	0.4-0.8
				50	0-1.4	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.1	0.4-0.8
				50	0-1.4	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.1	0.4-0.8
DN25	G1"	24	18.1	50	0-1.4	0.4-0.8
				63	0-1.4	0.4-0.8
DN32	G1 1/4"	32	23.1	80	0-1.6	0.4-0.8
				63	0-0.6	0.4-0.8
DN40	G1 1/2"	35	32.9	80	0-1.6	0.4-0.8
				63	0-0.5	0.4-0.8
DN50	G2"	45	52.8	80	0-1.6	0.4-0.8
				80	0-1.0	0.4-0.8

管道和控制压力参数表
Pipeline & Pressure control parameter table

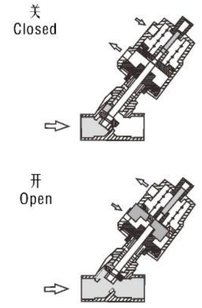
双作用常闭阀座上流Double Acting, Normally Closed (NC)-Enter Above Seat



性能可靠，可承受较大压差；如果紧急情况，阀门可自动关闭。
Suitable for higher reliable performance, differential pressure △P; Valve could be closed if there is emergency.

规格Size	接口 Thread	内孔 Orifice(mm)	流量值 Kv(m^3/h)	执行器 Actuator(mm)	压差范围 △P(MPa)	控制压力 Control pressure (Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.8
DN25	G1"	24	18.1	50	0-1.6	0.4-0.8
				63	0-1.6	0.4-0.8
DN32	G1 1/4"	32	23.1	63	0-1.6	0.4-0.8
				80	0-0.6	0.4-0.8
DN40	G1 1/2"	35	32.9	63	0-1.6	0.4-0.8
				80	0-1.6	0.4-0.8
DN50	G2"	45	52.8	63	0-1.2	0.4-0.8
				80	0-1.0	0.4-0.8

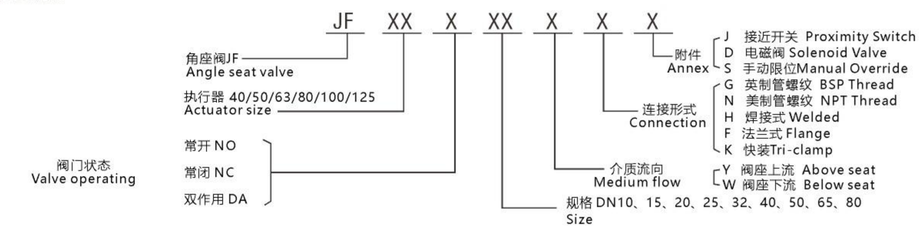
双作用常闭阀阀座下流（防水锤）Double Acting, Normally Closed(NC)-Enter Below Seat(NO Water-hammer)



适用要求高的防水锤管道，可承受较大压差。
Flow come from below seat, avoid water hammer, suitable for higher △P.

规格Size	接口 Thread	内孔 Orifice(mm)	流量值 Kv(m^3/h)	执行器 Actuator(mm)	压差范围 △P(MPa)	控制压力 Control pressure (Mpa)
DN10	G3/8"	13	3.8	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN15	G1/2"	13	4.7	50	0-1.6	0.4-0.8
				50	0-1.6	0.4-0.8
DN20	G3/4"	18	9.5	50	0-1.6	0.4-0.8
DN25	G1"	24	18.1	50	0-1.6	0.4-0.8
				63	0-1.6	0.4-0.8
DN32	G1 1/4"	32	23.1	63	0-1.6	0.4-0.8
				80	0-0.6	0.4-0.8
DN40	G1 1/2"	35	32.9	80	0-1.6	0.4-0.8
				100	0-1.6	0.4-0.8
DN50	G2"	45	52.8	80	0-0.8	0.4-0.8
				100	0-1.6	0.4-0.8

订货说明 Order Instruction



示例：JF 50 NC 25 Y G
表示角座阀 执行器缸径50 常闭单作用 规格DN25 安装方向阀座上流 连接形式为英制管螺纹
Example:JF 50 NC 25 Y G means:Angle seat valve,Actuatorφ50,Normally close single actign,DN25 enter above seat, BSP thread.

安装

安装位置：任意

→在阀体外侧所附的箭头代表介质流动的方向，安装时请遵循。

⚠ 警示!

安装时，必须提前将管道中的金属残渣，多余的密封残留物等清理干净。

安装过程：

→连接阀门至管道，确保阀体所附箭头与流体方向一致。
→焊接式阀门安装：焊接时请先将执行器卸离阀体。
→螺纹式阀门安装：可按照用户要求提前卸离或不需卸离执行器。

拆卸：

拆卸前首先确保对阀门的气压作用已经解除。

安装前需卸下阀体时，避免用力过大，轻卸；

拆卸后，保护好螺纹、密封面及密封垫；

安装好阀体后，装执行器部分时，注意别漏装密封垫；

阀体与连接坚固需用足够扭矩力，各规格阀扭矩值如下：
DN15为40Nm，DN20为50Nm，DN25为70Nm，
DN32为150Nm，DN40为150Nm，DN50为170Nm；

安装后，检测阀体与连接处已密封完好，无泄露，方可使用。

维护与服务

维修

⚠ 警示!

从管道上拆卸阀门或拆开阀门本身时，务必提前解除介质或气源的作用压力。

INSTALL ATION

Mounting position: any; preferentially with the actuator oriented upward .

→install in accordance with the flow direction, observe the arrow indication marked on the valve body.

⚠ CAUTION!

In all cases, remove all contamination from the piping (excess sealing material, matal debris, etc.).

Procedure for installing the valve:

→Connect the valve. Make sure the pipe run is correctly oriented.
→Weld ends: Disassemble and remove actuator before welding .
→Threaded body: Only disassemble the actuator if required by customer.

Instructions for actuator disassembly and assembly

Disassembly:
→Depressurize the valve seat before the removing and reassembly .
→Control function A: Turn on the actuator or release the tension of the return spring by removing the actuator cover.
→Control function B: Switch off the pilot pressure.
→Screw the threaded nipple out from the body.

Assembly:
→Grease the nipple threads with a suitable lubricant.
→Screw the threaded nipple and the actuator into the body.

Torque for assembly

→For sealing purpose, whe never you need to assembly by the rhread connection part, must give enough torque. The reference date as following:

Size	DN15	DN20	DN25	DN32	DN40	DN50
Torque(Nm)	40	50	70	150	150	170

→Make a seal test when assembly finished

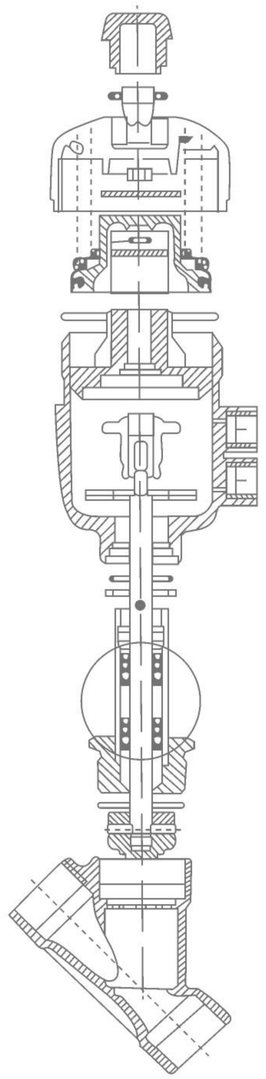
MAINTE NACE AND SE RVICI NG

Repair

⚠ CAUTION!

Before dismounting or opening the device ,depressurize the media supply and pilot air supply piping system.

零件图
Spare parts exploding drawing



零件表 Spare parts sheet

名称	Desciption	数量 Quantity	材料 Material
阀体	Valve body	1	CF8M
六角螺母	Hex nut	1	1Cr18Ni9Ti
阀芯密封垫	Valve core sealing	1	PTFE
阀芯体	Valve core cover	1	OCr17Ni12Mo2
阀体密封垫	Valve sealing	1	FKM
连接	Connection part	1	CF8M
阀杆	Valve stem	1	OCr17Ni12Mo2
阀杆密封套	Valve stem sealing(Ⅰ)	1	PTFE
阀杆密封圈	Valve stem sealing(Ⅱ)	1	PTFE
压紧密封垫	Valve stem sealing(Ⅲ)	1	PTFE
弹簧挡圈	Retaining Ring	1	
密封弹簧	Sealing spring	1	65Mn-D
平垫	Plain Washer	1	Hpb59-1
Y型圈	"Y" ring	1	FKM
O型圈	"O" ning	1	NBR
阀盖	Valve cap	1	CF8M
含油轴承	Bearing	1	
垫圈	Washer	1	Hpb59- 1
O型圈	"O" ring	1	NBR
活塞环	Piston Ring	1	FKM
活塞	Piston	1	Hpb59-1
锁紧螺母	Fixing Nut	1	Hpb59-1
指示杆	Indication stem	1	Hpb59-1
常闭弹簧	Closing spring	1	65Mn-D
缸体	Actuator body	1	CF8M
顶盖	Top cap	1	PC

- 不锈钢外壳设计 • Stainless steel shell design
- 电气防水接头 • Electric waterproof joint
- 带背光液晶显示屏 • With backlit LCD screen
- 快速简易启动 • Quick and easy start
- 丰富的附加功能 • Rich additional functionality



概 述 An overview of the

1600系列智能电气阀门定位器是专为一体式气动调节阀所设计的，特别适用于角座阀和隔膜阀产品。该产品操作简便，软件功能丰富，可轻松通过液晶屏和按键面板进行操作。定位器可通过检测位移传感器信号，对阀位进行快速精确调节。

Series 1600 intelligent electrical valve positioner is designed for one - piece Pneumatic control valve design, especially suitable for Angle seat valve and Diaphragm valve products.This product is easy to operate and has rich software functions. Easy to operate through the LCD screen and key panel.setThe positioner can detect the displacement sensor signal and position the valveFast and accurate adjustment.

技 术 参 数 Technical parameters

材 料	聚碳酸脂（PC）硅橡胶(SI) 聚酰胺(PA6-GF30）不锈钢(304)
电源	直流24V ±10%
信号输入	0/4 to 20mA或0 to 5/10 V
设定信号输入阻抗	0/4-20mA信号时240Ω 0-5/10V信号时 21KΩ
压缩空气要求 颗粒度要求 颗粒密度要求 凝点要求 油脂浓度要求	中性气体, 符合 DIN ISO 8573-1 要求 Class 5 (<40μm particle size) Class 5 (<10mg/m3) Cass 3 (<-20℃) Class 5 (<25mg/m3)
环境温度	0-55°C
	1/4英寸插入式软管接头(内径Φ6mm)
电气快速接头	M12 三针 B标准(电缆直径ø 4-6mm) M12 四针 D标准(电缆直径ø 4-6mm) M12 五针 A标准(电缆直径ø 4-6mm)
气源压力	3-7 bar，具体值视执行机构而定
气体输出流量	18 l/min，55 l/min(仅单作用)
阀门行程控制范围	直行程5-50 mm 角行程90°
安装方式	倾向于安装在执行器顶端， 通过M26螺纹和执行器连接
防护等级	Ip65
功耗	<5W



1500/J614F-16P/R
调节型气动螺纹角座阀
External regulation pneumatic thread Angle seat valve



1600/J614F-16P/R
调节型气动螺纹角座阀
External regulation pneumatic thread Angle seat valve



1500/J614F-16P/R
调节型气动螺纹角座阀
External regulation pneumatic thread Angle seat valve

1600 系列智能电气阀门定位器是一款基于微处理器的阀门开度调节器。阀门开度可通过外部输入信号设定。

定位器运用自动控制算法和 PWM 控制技术，快速而准确地实现阀门的开度调节，从而来控制流体管路的流量。

1600 series intelligent electrical valve positioner is a microprocessor based valve opening regulator.Valve opening can be set by external input signal.The positioner USES automatic control algorithm and PWM control technology to quickly and accurately realize the valve opening adjustment, so as to control the flow of the fluid pipeline.

注：该产品可在密封空间中使用，并实现远程自动控制。它具有传输特性，安全位置，紧闭等多种辅助功能。同时它容易安装，操作和维护，并且故障率低。

Note: this product can be used in sealed space and realize remote automatic control.It has many auxiliary functions, such as transmission characteristic, safe position, close, etc.And it's easy to install, operate and maintain.And the failure rate is low.

结构：

GEMÜ 514系列气动金属两位两通角座阀，配有低维修率的铝制金属气动执行器。阀杆密封采用自调整式设计，具有低维修率，且在长时间运行后仍能保持良好的密封性能。阀杆密封顶端由清洁环保护，以防止污染和破损。

特点：

适用于较高的工作温度和压力
控制介质的连接可旋转360度

优点：

多种阀体连接方式可选:
内螺纹、焊接接管、卡箍接管、法兰接管
斜角式设计确保良好的流体特性:
可适配多种附件
特殊连接方式、特殊密封和特殊材质请另询
可针对食品级安全要求选装，符合条例(欧共体)编号1935/2004
(K码1935)标准压盖填料，适合最大20mbar(a)的真空环境

Structure:

The GEM Ü 514 series pneumatic metal two-way angle seat valve is equipped with a low maintenance aluminum metal pneumatic actuator. The valve stem seal adopts a self-adjusting design, which has a low maintenance rate and can maintain good sealing performance after long-term operation. The top of the valve stem seal is protected by a cleaning ring to prevent contamination and damage.

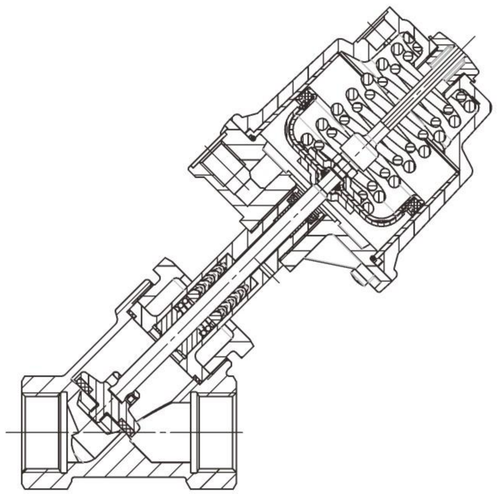
Features:

Suitable for higher working temperatures and pressures
The connection of the control medium can rotate 360 degrees

Advantages:

Multiple valve body connection methods are available:
Internal thread, welded connection, clamp connection, flange connection
The angled design ensures good fluid characteristics:
Can adapt to various accessories
Please inquire separately about special connection methods, special seals, and special materials
Optional for food grade safety requirements, in compliance with Regulation (EC) No 1935/2004
(K code 1935) standard gland packing, suitable for vacuum environments up to 20mbar (a)

剖面图 Sectional View





技术参数 Technical Parameters

工作介质 Working medium

与阀体及密封材料不产生任何物理与化学反应的腐蚀性或惰性气体和流体。

Corrosive or inert gases and fluids that do not undergo any physical or chemical reactions with the valve body and sealing materials.

所允许的最大工作介质压力 Maximum allowable working medium pressure	见表 See table
介质温度 Medium temperature	-10°C至180°C
所允许的最大粘度 Maximum allowable viscosity	600mm2/s(cSt)

适用于更低或更高温度以及更高粘度的规格请另询。
For specifications suitable for lower or higher temperatures and higher viscosity, please inquire separately.

控制介质 Control medium

惰性气体
Noble gas

所允许的最大控制介质温度： Maximum allowable control medium temperature:		60°C
填充容量： Fill capacity:	气动头0： 气动头1和4： 气动头2：	0.05dm³ 0.125dm³ 0.625dm³

环境条件 Environmental conditions

环境温度 Ambient temperature	最大60℃ Maximum 60 ℃

流向 Flow direction

见第四页
See page four

最大允许阀座泄漏率/开关阀 Maximum allowable valve seat leakage rate/switching valve

阀座 Valve seat	标准 Standard	测试程序 Test program	泄漏率 leakage rate	测试介质 Test medium
PTFE	DIN EN 12266-1	P12	A	空气 Air

公称 内径 Nominal inner diameter	最大工作压力[bar] 常闭 Maximum working pressure [bar] Normally closed				控制压力[bar] 常闭 Control pressure [bar] Normally closed				Kv值 Kv value
DN	气动头0 活塞 Pneumatic head 0 piston Φ50 mm	气动头1 活塞 Pneumatic head 1 piston Φ70 mm	气动头4 活塞 Pneumatic head 1 piston Φ70 mm	气动头2 活塞 Pneumatic head 1 piston Φ120 mm	气动头0 Pneumatic head 0	气动头1 Pneumatic head 1	气动头4 Pneumatic head 4	气动头2 Pneumatic head 2	[m³/h]
15	12.0	25.0	10	-	4.7-10	5.5-10	最小控制压力 参见图表 最大控制 压力7 bar The minimum control pressure is shown in the chart,Maximum control pressure 7 bar	-	5.4
20	6.0	20.0	10	25	4.7-10	5.5-10		4.0-8	10.0
25	2.5	10.0	10	25	4.7-10	5.5-10		4.0-8	15.2
32	-	7.0	10	22	-	5.5-10		4.0-8	23.0
40	-	4.5	10	12	-	5.5-10		4.0-8	41.0
50	-	3.0	10	10	-	5.5-10		5.5-8	68.0
65	-	-	-	7	-	5.5-10		5.5-8	95.0
80	-	-	-	5	-	5.5-10		5.5-8	130.0

适用于密封材质PTFE(代码5)的工作压力。
(V值测试参考标准DIN EN 60534,测试条件:DIN ISO 228标准内螺纹阀体，控制方式1(常闭)，适配该通径下最大执行结构，测定数值供选型参考。
Suitable for the working pressure of sealing material PTFE (code 5).
(V value test reference standard DIN EN 60534, test conditions: DIN ISO 228 standard internal thread valve body, control mode 1 (normally closed), adapted to the maximum execution structure under this diameter, measured values for selection reference.).

公称 内径 Nominal inner diameter	最大工作压力[bar] 常开/双作用 Maximum working pressure [bar] Normally open/double acting		控制压力[bar] 常开/双作用 Control pressure [bar] Normally open/double acting	
DN	气动头1 活塞 Pneumatic head 1 piston Φ70 mm	气动头2 活塞 Pneumatic head 2 piston Φ120 mm	气动头1 Pneumatic head 1	气动头2 Pneumatic head 2
15	25.0	-	最大5 bar Maximum 5 bar	最大7 bar Maximum 7 bar 数值参见图表 Refer to the chart for numerical values
20	25.0	25.0	最大7 bar Maximum 7 bar 数值参见图表 Refer to the chart for numerical values 最大7 bar Maximum 7 bar	
25	25.0	25.0		
32	20.0	25.0		
40	12.0	25.0		
50	8.0	25.0		
65	-	18.0		
80	-	10.0		

针对最大的工作压力，需注意温压相关性(参见第3页上的表格)。
所有压力标示都是表压。
For the maximum work pressure, attention should be paid to the temperature pressure correlation (see the table on page 3).
All pressure markings are gauge pressure.

角座阀阀体的温压相关性 Temperature pressure correlation of angle seat valve body

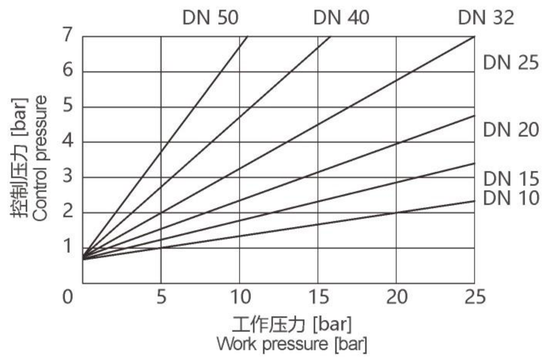
连接代码 Connection code	材质代码 Material Code	相应温度(°C)*下所允许的最大工作压力(bar) Maximum allowable working pressure (bar) at the corresponding temperature (° C) *					
		RT	100	150	200	250	300
1,17,37,60,3C,3D	37	25.0	23.8	21.4	18.9	17.5	16.1
0,16,17,18,37,59,60	34	25.0	24.5	22.4	20.3	18.2	16.1
8(DN15-DN50)	34	25.0	23.6	21.5	19.8	18.6	17.2

* 阀门最低使用温度可至-10C　RT=室温　所有压力标示都是表压。
*The minimum operating temperature of the valve can reach -10C RT=room temperature. All pressure markings are gauge pressure.

工作压力/控制压力特性曲线 Work pressure/control pressure characteristic curve

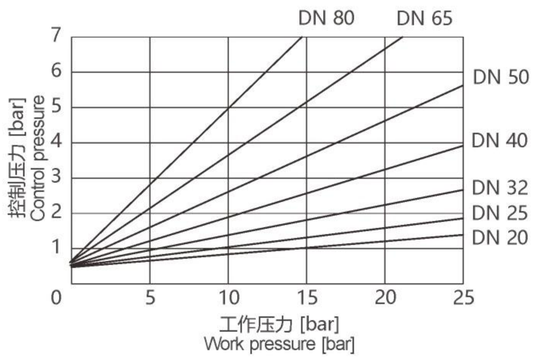
气动头1　Pneumatic head 1
常开(NO)　Normally open (NO)
双作用(DA)　Double acting (DA)

最小的控制压力取决于工作压力
（流向：阀芯下方）
The minimum control pressure depends on the working pressure
(Flow direction: below the valve core)



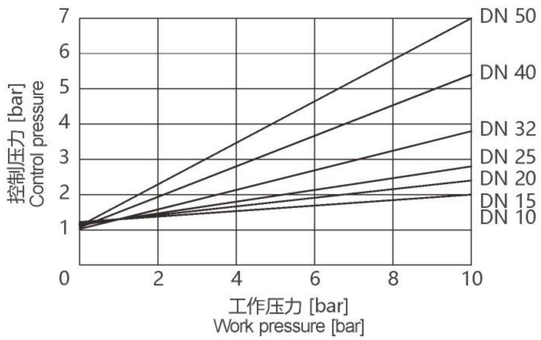
气动头1　Pneumatic head 2
常开(NO)　Normally open (NO)
双作用(DA)　Double acting (DA)

最小的控制压力取决于工作压力
（流向：阀芯下方）
The minimum control pressure depends on the working pressure
(Flow direction: below the valve core)



气动头4　Pneumatic head 4
常闭(NC)　Normally closed (NC)

最小的控制压力取决于工作压力
（流向：阀芯上方）
The minimum control pressure depends on the working pressure
(Flow direction: above the valve core)



订货信息 Ordering Information

阀体结构 Valve body structure	代码 Code
直通阀体 Direct valve body	D

连接方式 Connection method	代码 Code
焊接接管 Welding connection	
接管DIN Take over DIN	0
接管DIN 11850，系列1 Take over DIN 11850, Series 1	16
接管DIN 11850，系列2 Take over DIN 11850, Series 2	17
接管DIN 11850，系列3 Take over DIN 11850, Series 3	18
接管SMS 3008 Take over SMS 3008	37
接管ASME BPE Take over ASME BPE	59
接管EN ISO 1127 Take over EN ISO 1127	60
螺纹接头 threaded joint	
内螺纹DIN ISO 228 Internal thread DIN ISO 228	1
内螺纹BS 21 Rc Internal thread BS 21 Rc	
结构长度符合DIN3 202-4，系列M8 The structural length complies with DIN3 202-4, series M8	3C
法兰 flange	
法兰EN1092/PN16/B型 Flange EN1092/PN16/B type	8
结构长度参考EN 558-1，系列1 Structural length reference EN 558-1, Series 1	
采用卡箍连接的阀体另询可供 Valve bodies connected by clamps are available for further inquiry	

阀座密封 Valve seat seal	代码 Code
PTFE	5
PTFE，含玻璃纤维 PTFE, containing glass fiber	5G
其他阀座密封另询 For other valve seat seals, please inquire separately	

控制方式 Control method		代码 Code
常闭 Normally closed	（NC）	1
常开 Normally Open	（NO）	2*
双作用 Double-acting	（DA）	3*
*不适用于Φ50mm活塞 *Not applicable to piston with a diameter of 50mm		

阀体材质 Valve body material	代码 Code
1.4435(ASTM A351 CF3M 316L)，精密铸造 1.4435 (ASTM A351 CF3M 316L), precision cast	34
1.4408，精密铸造 1.4408, precision casting	37
*其他材质另询。 *Please inquire about other materials separately.	

气动头尺寸 Pneumatic head size		流向 Flow direction	代码 Code
气动头0 Pneumatic head 0	活塞Φ50mm Piston diameter 50mm	阀芯下方 Below the valve core	0*
气动头1 Pneumatic head 1	活塞Φ70mm Piston diameter 70mm	阀芯下方 Below the valve core	1*
气动头2 Pneumatic head 2	活塞Φ120mm Piston diameter 120mm	阀芯下方 Below the valve core	2*
气动头4 Pneumatic head 4	活塞Φ70mm Piston diameter 70mm	阀芯上方 Above the valve core	4**
* 针对不可压缩的流体介质所优先选择的流向，以避免产生水锤效应 *The preferred flow direction for incompressible fluid media to avoid water hammer effects			
** 只适用控制方式常闭（NC） **Only applicable to control mode normally closed (NC)			

GEMÜ 514
气动头0、1、2
Pneumatic head 0, 1, 2



流向
阀芯下方
Flow direction
Below the valve core

GEMÜ 514
气动头4
Pneumatic head 4



流向
阀芯上方
Flow direction
Above the valve core

阀座密封 Valve seat seal	代码 Code
介质温度-10至210°C仅适用于代码为5G和代码为10的密封材质 Medium temperature -10 to 210 ° C is only applicable to sealing materials with code 5G and code 10	K-Nr. 2023
环境温度0-130°C适用通径DN15~DN50 Environmental temperature 0-130 ° C, suitable for diameter DN15~DN50	K-Nr. 2017

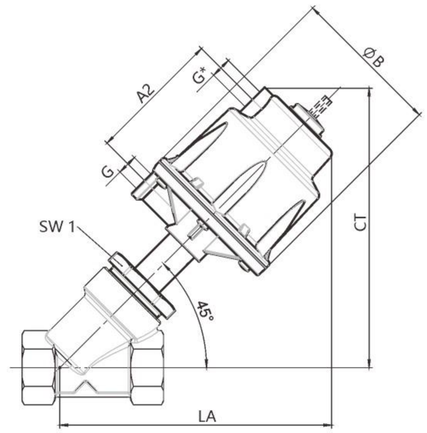
订购示例 Ordering Example	514	25	D	1	37	5	1	1	2017
型号系列 Model Series	514								
公称内径 Nominal inner diameter		25							
阀体结构（代码） Valve body structure (code)			D						
连接方式（代码） Connection method (code)				1					
阀体材质（代码） Valve body material (code)					37				
阀座密封（代码） Valve seat seal (code)						5			
控制方式（代码） Control method (code)							1		
执行器尺寸（代码） Actuator size (code)								1	
K 码（代码） K-code (code)									2017

执行器尺寸/安装尺寸——带直通阀体的阀门 [mm] Actuator size/installation size - valve with straight through valve body [mm]

执行器尺寸 Actuator size				
气动头 Pneumatic head	ΦB	M	A2	G
0	71	M 16x1	-	G 1/4
1 + 4	96	M 16x1	85.5	G 1/4
2	164	M 22x1.5	123.0	G 1/4

安装尺寸/重量[kg] Installation size/weight [kg]

DN	扳手开口度 Wrench opening degree SW1	执行器0 Executor 0		执行器1和4 Executors 1 and 4		执行器2 Executors 2	
		CT/LA	重量 Weight	CT/LA	重量 Weight	CT/LA	重量 Weight
15	36	153	0.9	164	1.4	-	-
20	41	163	1.1	174	1.6	241	-
25	46	163	1.3	174	1.8	241	-
32	55	-	-	182	2.4	249	4.6
40	60	-	-	187	2.7	254	5.5
50	75	-	-	195	3.4	262	6.4
65	75	-	-	-	-	275	8.5
80	75	-	-	-	-	292	9.6

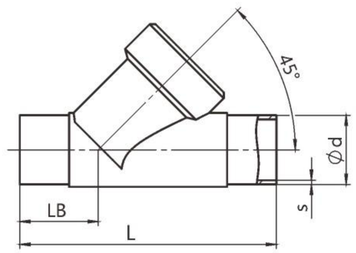


* 该连接仅适用于
1号、2号执行器；控制方式2和3
This connection is only applicable to
No.1 and No.2 actuators; Control modes 2 and 3

阀体尺寸 [mm] Valve body size [mm]

焊接接管，连接代码0、16、17、18、55、37、59、60
阀体材质1.4435（代码34）
Welding connection, connection codes 0, 16, 17, 18, 55, 37, 59, 60
Valve body material 1.4435 (code 34)

DN	材质代码34 Material code 34		连接代码 Connection code													
			0		16		17		18		55/37		59		60	
	L	LB	Φd	s	Φd	s	Φd	s	Φd	s	Φd	s	Φd	s	Φd	s
15	100	33	18	1.5	18	1.0	19	1.5	20	2.0	12.70	1.2	12.70	1.65	21.3	1.6
20	108	33	22	1.5	22	1.0	23	1.5	24	2.0	19.05	1.2	19.05	1.65	26.9	1.6
25	112	32	28	1.5	28	1.0	29	1.5	30	2.0	25.0	1.2	25.40	1.65	33.7	2.0
32	137	39	-	-	34	1.0	35	1.5	36	2.0	-	-	-	-	42.4	2.0
40	146	40	40	1.5	40	1.0	41	1.5	42	2.0	38.0	1.2	38.10	1.65	48.3	2.0
50	160	38	52	1.5	52	1.0	53	1.5	54	2.0	51.0	1.2	50.80	1.65	60.3	2.0
65	290	96	-	-	-	-	70	2.0	-	-	63.5	1.6	63.50	1.65	76.1	2.0
80	310	95	-	-	-	-	85	2.0	-	-	76.1	1.6	76.20	1.65	88.9	2.3

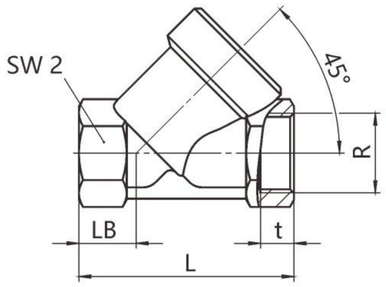


阀体尺寸 [mm] Valve body size [mm]

内螺纹DIN，连接代码1
阀体材质1.4408（代码37）
Internal thread DIN, connection code 1
Valve body material 1.4408 (code 37)

DN	L	LB	R	t	SW2	
15	65	16.5	G 1/2	15.0	27	六角 HEXAGON
20	75	17.5	G 3/4	16.3	32	六角 HEXAGON
25	90	24.0	G 1	19.1	41	六角 HEXAGON
32	110	33.0	G 1 1/4	21.4	50	八角 STAR ANISE
40	120	30.0	G 1 1/2	21.1	55	八角 STAR ANISE
50	150	40.0	G 2	25.7	70	八角 STAR ANISE
65	190	46.0	G 2 1/2	30.2	85	八角 STAR ANISE
80	220	50.0	G 3	33.3	100	八角 STAR ANISE

材质参见背面的一览表 Materials refer to the list on the back

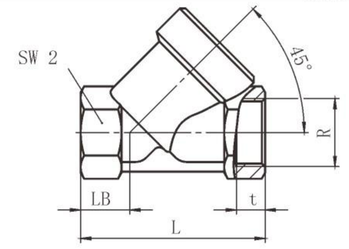


阀体尺寸 [mm] Valve body size [mm]

BS 21 Rc，连接代码3C
阀体材质1.4408（代码37）
BS 21 Rc，Connection code 3C
Valve body material 1.4408 (code 37)

DN	L	LB	SW2		连接代码 Connection code 3C	
					R	t
15	65	16.5	27	六角 HEXAGON	Rc 1/2	15.0
20	75	17.5	32	六角 HEXAGON	Rc 3/4	16.3
25	90	24.0	41	六角 HEXAGON	Rc 1	19.1
32	110	33.0	50	八角 STAR ANISE	Rc 11/4	21.4
40	120	30.0	55	八角 STAR ANISE	Rc 11/2	21.4
50	150	40.0	70	八角 STAR ANISE	Rc 2	25.7
65	190	46.0	85	八角 STAR ANISE	Rc 21/2	30.2
80	220	50.0	100	八角 STAR ANISE	Rc 3	33.3

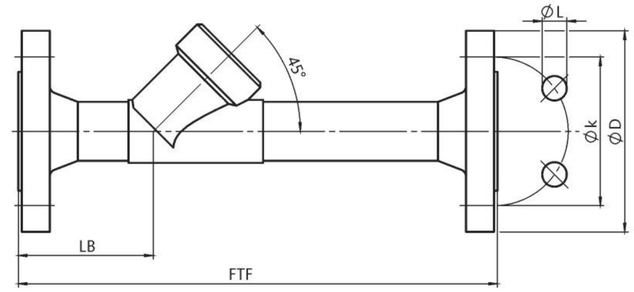
材质参见背面的一览表 Materials refer to the list on the back



法兰，连接代码8
阀体材质1.4435（代码34）
Flange, connection code 8
Valve body material 1.4435 (code 34)

DN	FTF	LB	连接代码8 Connection code 8			
			ΦD	ΦL	Φk	螺栓数 Number of bolts
15	210	58	95	14	65	4
20	280	61	105	14	75	4
25	280	60	115	14	85	4
32	310	67	140	18	100	4
40	320	68	150	18	110	4
50	330	67	165	18	125	4
65	380	126	185	18	145	4
80	380	130	200	18	160	8

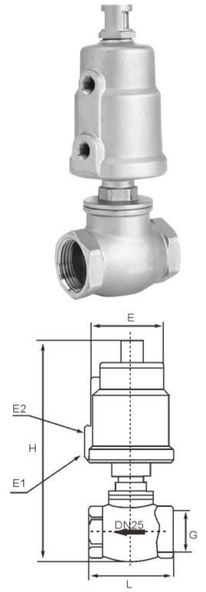
材质参见背面的一览表 Materials refer to the list on the back



GEMÜ 514金属阀体一览表 GEM Ü 514 Metal Valve Body List							
	接管 Take over						
连接代码 Connection code	0	16	17	18	55/37	59	60
材质代码 Material Code	34	34	34	34	34	34	34
DN 15	X	X	X	X	X	X	X
DN 20	X	X	X	X	X	X	X
DN 25	X	X	X	X	X	X	X
DN 32	X	X	X	X	X	-	X
DN 40	X	X	X	X	X	X	X
DN 50	X	X	X	X	X	X	X
DN 65	-	-	X	-	X	X	X
DN 80	-	-	X	-	X	X	X

GEMÜ 514金属阀体一览表 GEM Ü 514 Metal Valve Body List			
	螺纹连接 Threaded connection		法兰 Flange
连接代码 Connection code	1	3C	8
材质代码 Material Code	37	37	34
阀体结构 Valve body structure	直通阀体 Direct valve body		
DN 15	X	X	X
DN 20	X	X	X
DN 25	X	X	X
DN 32	X	X	X
DN 40	X	X	X
DN 50	X	X	X
DN 65	X	X	X
DN 80	X	X	X

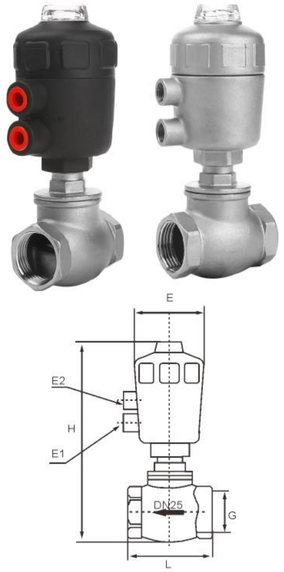
新款不锈钢T型腰鼓阀
New stainless steel T-shaped waist drum valve



外形尺寸 Dimension (mm)

规格 Size	L	H	E	G	E1E2	执行器 Actuator
DN15	55	162	62	1/2"	1/8"	∅50
DN20	65	167	62	3/4"	1/8"	∅50
DN25	72	180	62	1"	1/8"	∅50
DN32	86	210	76	1-1/4"	1/8"	∅63
DN40	98	220	76	1-1/2"	1/8"	∅63
DN50	113	235	76	2"	1/8"	∅63
DN65	135	300	96"	2-1/2"	1/8"	∅80

老款塑料头/不锈钢T型腰鼓阀
Old plastic head/stainless steel T-shaped waist drum valve

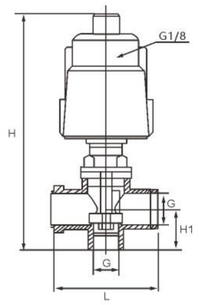


外形尺寸 Dimension (mm)

规格 Size	L	H	E	G	E1E2	执行器 Actuator
DN15	55	162	64	1/2"	1/4"	∅50
DN20	65	167	64	3/4"	1/4"	∅50
DN25	72	180	64	1"	1/4"	∅50
DN32	86	210	80	1-1/4"	1/4"	∅63
DN40	98	220	80	1- 1/2"	1/4"	∅63
DN50小头	113	235	80	2"	1/4"	∅63
DN50大头	113	265	100	2"	1/4"	∅80
DN65	135	300	100	2-1/2"	1/4"	∅80

塑料头/不锈钢气动三通螺纹换向阀
Plastic head/stainless steel pneumatic three-way threaded directional valve



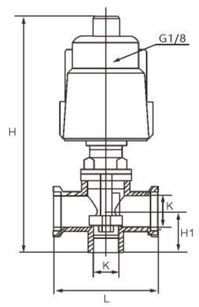


外形尺寸 Dimension (mm)

DN	L	H1	H	G	执行器 Actuator
15	75	54	245	1/2"	50
20	75	58	245	3/4"	50
25	93	68	265	1"	50
32	120	82	338	1-1/4"	63
40	120	82	338	1-1/2"	63
50	138	96	356	2"	63

塑料头/不锈钢三通快装换向阀
Plastic head/stainless steel three way quick installation directional valve



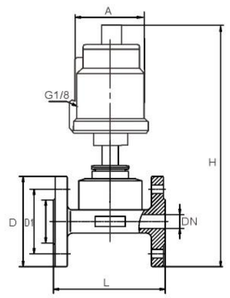


外形尺寸 Dimension (mm)

DN	L	H1	H	K	执行器 Actuator
15	90	81	265	50.5	50
20	90	81	265	50.5	50
25	100	93	285	50.5	50
32	133	107	360	50.5	63
40	153	115	365	64	63
50	163	128	390	77.5	63

塑料头/不锈钢T型腰鼓阀
Plastic head/stainless steel T-shaped waist drum valve





外形尺寸 Dimension (mm)

DN	L	H	D	D1	气源孔 Air source hole	执行器 Actuator
15	120	248	90	65	1分/2分	50
20	130	265	100	75	1分/2分	50
25	130	281	110	85	1分/2分	50
32	150	330	130	100	1分/2分	63
40	160	342	140	110	1分/2分	63
50	190	380	155	125	1分/2分	63
65	200	395	175	145	1分/2分	80
80	230	510	190	160	1分/2分	100
100	260	575	210	180	1分/2分	125





气动/电动执行器系列
PNEUMATIC/ELECTRIC ACTUATOR SERIES



角座阀系列
ANGLE SEAT VALVE SERIES



气动阀门系列
PNEUMATIC VALVE SERIES



电动阀门系列
ELECTRIC VALVE SERIES



其他阀门系列
OTHER VALVE SERIES



安装附件系列
ACCESSORIES SERIES

Product Display
产品展示



JAT 气动执行器
JAT PNEUMATIC ACTUATORS



三段式气动执行器
THREE-STAGE PNEUMATIC ACTUATORS



KK电动执行器
KK ELECTRICAL ACTUATORS



防爆电动执行器
EXPLOSION-PROOF ELECTRIC ACTUATOR



电磁阀
NAMUR SOLENOID VALVE



电磁阀
SOLENOID VALVE



防爆线圈
EXPLOSION-PROOF COIL



磁感应限位开关
MAGNETIC LIMIT SWITCH



定位器
POSITIONER



限位开关
LIMIT SWITCH BOX



手操机构
DECLUTCH GEAR BOX



气源三联件
AIR SOURCE TRIPLET

Product Display
产品展示



拨叉式气动执行器
Fork type pneumatic actuator



直行程气动执行器
Straight stroke pneumatic actuator



直行程带顶装手轮
Straight stroke with top mounted handwheel



直行程带侧装手轮
Straight stroke with side mounted handwheel



KK-02新款精小型电动
KK-02 new compact electric vehicle



精小型带断电复位
Compact size with power-off reset



橘黄色防爆电动执行器
Orange explosion-proof electric actuator



多回转电动执行器
Multi turn electric actuator



防爆电磁阀
Explosion-proof solenoid valves



防爆限位开关
Explosion proof limit switch



全不锈钢过滤减压阀
All stainless steel filter pressure reducing valve



智能型电气定位器
Intelligent electrical locator

Kinko

售后服务和质量保证承诺

随着国家市场经济的深入发展，市场竞争日趋激烈，广大用户对产品的要求也越来越高，并且对售后服务方面的要求也越来越多，为此，我公司质量管理部门为适应市场发展的要求，专门设立了售后服务组、配备了专职服务人员负责处理我公司产品售后服务事宜。同时我公司在内部质量管理方面也作出了多方努力，获得了ISO9001质量体系认证、CE认证和多项专利证书等，为此我公司完全可以做到：

一、产品配发检验合格证书和说明书，以确保用户能正确安装适用我公司产品。

二、我公司保证出厂的产品均按有关国际标准生产和检验，不合格的产品绝不出厂。保证严格履行、兑现产品的四包，严格执行国家工业产品售后服务有关规定，对出厂产品自发货日起的十二个月内，在产品说明书规定的正常操作条件下我公司将负责质保期内质量完好。

三、如用户对我公司产品提出的质量异议，我公司保证在接到用户提出异议后2小时内作出处理意见。若需要现场解决的，保证派出专业技术服务人员，并做到质量问题不解决服务人员不撤离。对每件用户反馈的产品质量问题及处理结果我公司将存档。

以上三点是我公司对售后服务的承诺。竭诚欢迎广大用户指导修正，请提出宝贵意见，参照改进。真诚希望我们之间合作愉快。

浙江金科流体设备有限公司

Kinko

AFTER-SALES SERVICE QUALITY ASSURANCE COMMITMENT

With the further development of a national market economy, the increasingly fierce market competition, the majority of users of the product requirements also more and more high, and more and more demand for after -sale services, to this end, our quality management department in order to adapt to the requirement of market development, set up special after-sale service group, equipped with full-time service personnel shall be responsible for handling matters of our company product after-sales service. At the same time, our company has also made many efforts in internal quality management and obtained ISO9001 quality system certification, CE certification and a number of patent certificates, etc. To this end, our company is fully capable of:

I. The products shall be issued with inspection certificates and instructions. I. to ensure that the users can correctly install and apply the products of our company.

II. Our company guarantees that the products are produced and inspected in accordance with the relevant international standards, and unqualified products will never leave the factory. We promise to strictly perform and deliver the four packages of products, strictly implement the relevant regulations of national industrial products after-sales service, and within 12 months from the date of delivery of the products, we will be responsible for the quality of the products within the warranty period under the normal operating conditions specified in the product manual.

III. If the user has any objection to the quality of our products, we promise to make Suggestions within 2 hours after receiving the objection. If it needs to be solved on site, it shall ensure that professional technical service personnel are dispatched, and the service personnel shall not be evacuated until quality problems are solved. We will archive the quality problem and result of every feedback.

The above three points are our company's commitment to after-sales service. We sincerely welcome your comments and Suggestions for improvement. We sincerely hope that we can have a pleasant cooperation.

ZHEJIANG KINKO-FLOW EQUIPMENT CO., LTD.