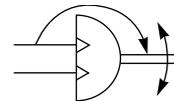


ARK 气动执行器

Pneumatic Actuator

Series KT

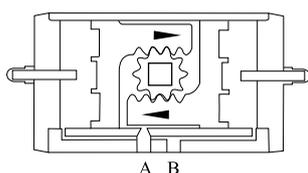
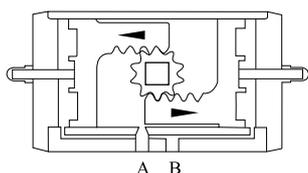


特性 Features

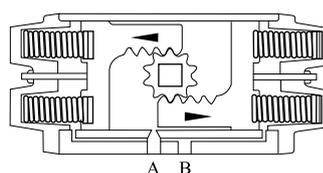
1. 有双作用和单作用弹簧压回可选
Double acting and single acting (spring return) are available
2. 直接安装于适用阀门, 用于推动阀门的开关
Directly mounted to and drive applicable valve open or close
3. ISO5211架台尺寸设计
The mounting dimensions are in accordance with ISO5211

规格 Specifications

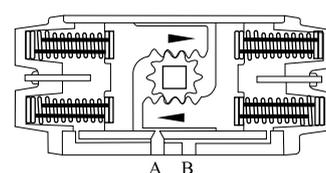
型号	Model	KT 52-270
构造	Structure	齿条, 齿轮构造 Rack & Pinion
使用流体	Fluids	空气, 无腐蚀性气体, 轻油 Air, Non corrosive gas, Light oil
环境温度	Ambient Temp.	-20°C~80°C
最高使用压力	Max. Pressure	0.8MPa
使用压力范围	Pressure Range	0.25~0.7MPa
摆动角度	Rotation	90°±5°
润滑	Lubrication	不需要 Not required



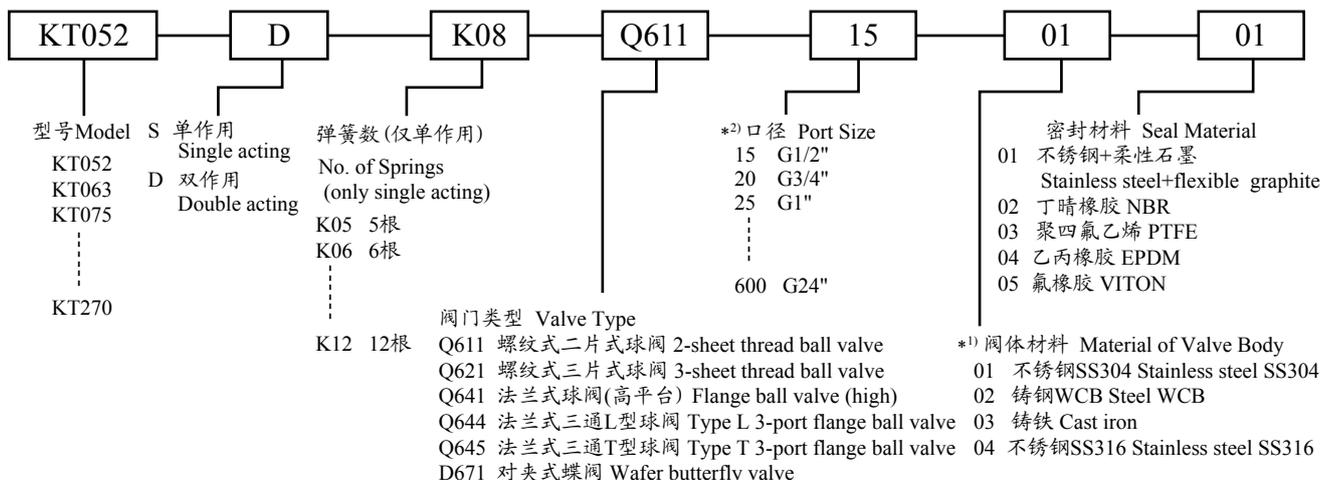
双作用 Double acting



单作用 Single acting



型号表示方法 How To Order



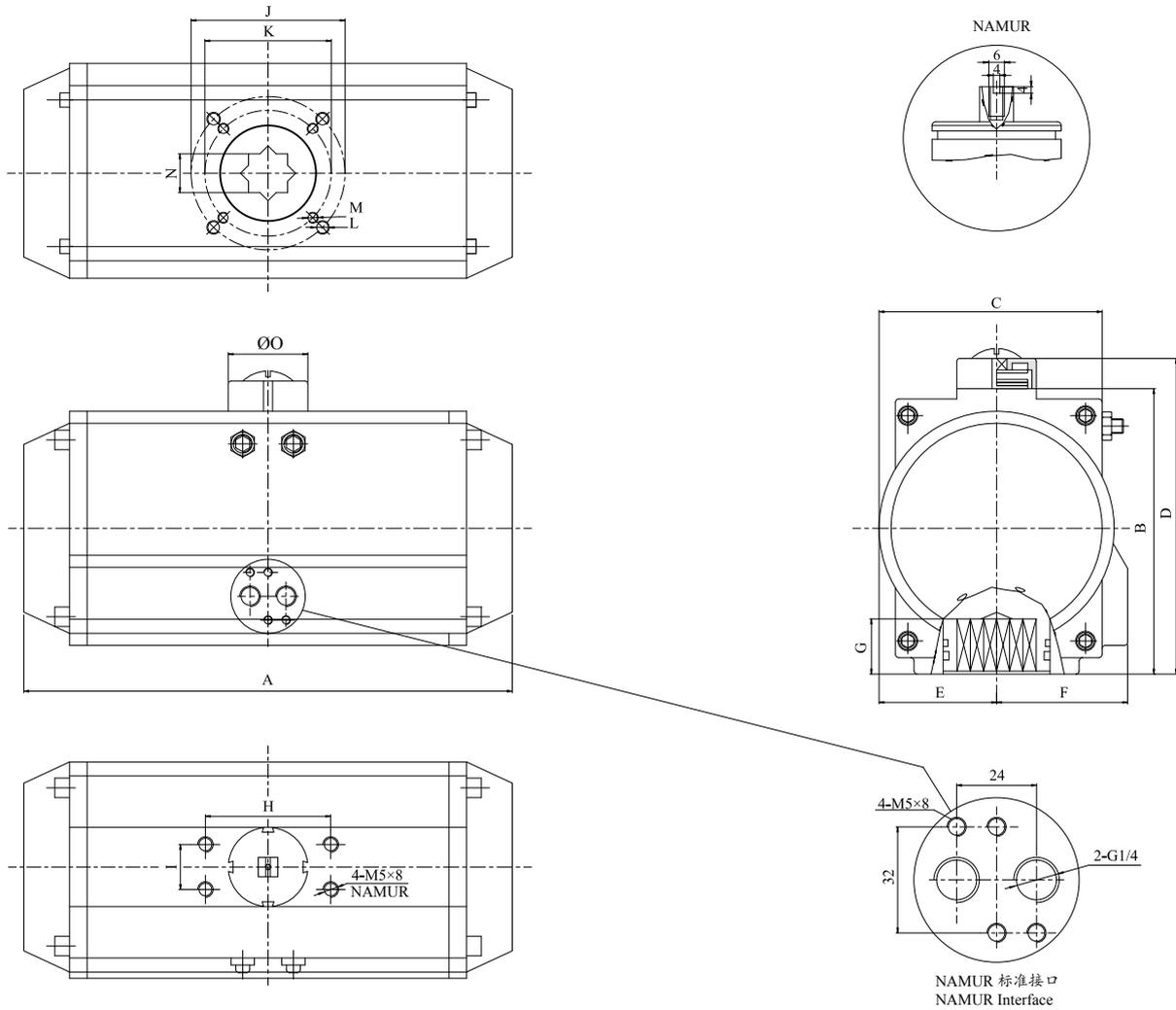
* 1) 球阀阀体材料仅304不锈钢和WCB铸钢可选, 阀芯材料为304不锈钢。

Optional material of ball valves' body is SS304 or WCB only and valve spool SS304 only.

2) Q611, Q621口径仅DN15~DN50可选, Q641, Q644, Q644口径仅DN15~DN200可选, D671口径仅DN40~DN600可选。

Port size of Q611, Q621 is DN15~DN50 only, of Q641, Q644, Q644 is DN15~DN200 only, and of D671 is DN40~DN600.

气动执行器 Pneumatic Actuator
Series KT
外形尺寸图 Dimensions (mm)



型号 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	A120	A180	接管口径 Port Size
KT052	143	74	60	94	30	41	14	80	30	F05 Ø50	F03 Ø36	M6×10	M5×8	11	Ø40	158	200	G1/4
KT063	171	88	69	108	36	45	18	80	30	F07 Ø70	F05 Ø50	M8×13	M6×10	14	Ø40	184	233	G1/4
KT075	190	100	78	120	42	50	20	80	30	F07 Ø70	F05 Ø50	M8×13	M6×10	14	Ø40	193	243	G1/4
KT083	196.5	109	88	129	46	52.5	21	80	30	F07 Ø70	F05 Ø50	M8×13	M6×10	17	Ø40	221	280	G1/4
KT092	241	120	95	140	50.5	56	22	80	30	F07 Ø70	F05 Ø50	M8×13	M6×10	17	Ø40	290	374	G1/4
KT105	263.5	133	105.5	153	57.5	64	26	80	30	F10 Ø102	F07 Ø70	M10×16	M8×13	22	Ø65	304	388	G1/4
KT125	319	155	120.5	175	67.5	70	27.5	80	30	F10 Ø102	F07 Ø70	M10×16	M8×13	22	Ø65	365	470	G1/4
KT140	390	171.5	132	191.5	75	76	32	80	30	F10 Ø125	F10 Ø102	M12×20	M10×16	27	Ø65	442	568	G1/4
KT160	449	197	159.5	217	86.5	87.5	34	80	30	F12 Ø125	F10 Ø102	M12×20	M10×16	27	Ø65	507	654	G1/4
KT190	515	230	184	260	102	102	40	130	30	F14 Ø140		M16×22		36	Ø78	575	742	G1/4
KT210	560	255	205	285	113	113	40	130	30	F14 Ø140		M16×24		36	Ø78	642	831	G1/4
KT240	654	290	240	320	130	130	50	130	30	F16 Ø165		M20×26		46	Ø78	739	965	G3/8, G1/4
KT270	725	320	269	350	147	147	50	130	30	F16 Ø165		M20×26		46	Ø78	823	1075	G1/2, G1/4

气动执行器 Pneumatic Actuator

Series KT

* 单作用执行器输出扭矩 Output Torque of Single Acting (Nm)

气压 Air pressure		输出扭矩 Output torque (Nm)										弹簧输出扭矩 Output torque of spring (Nm)	
		3 bar		4 bar		5 bar		6 bar		7 bar			
型号 Model	弹簧数量 No. of springs	90°C 起点 Beginning	0°C 终点 End	0°C 终点 End	90°C 起点 Beginning								
KT 052S	5	8.48	6.28	12.64	10.44							4	6.2
	6	7.68	4.98	11.84	9.14							4.8	7.5
	7	6.98	3.78	11.14	7.94							5.5	8.7
	8			10.34	6.74	14.5	10.9					6.3	9.9
	9			9.54	5.44	13.7	9.6					7.1	11.2
	10			8.74	4.024	12.9	8.4	17.06	12.56			7.9	12.4
	11					12.1	7.1	16.26	11.26	20.42	15.42	8.7	13.7
KT 063S	5					11.3	5.9	15.46	10.06	19.62	14.22	9.5	14.9
	6	15	11.2	22.3	18.5	29.6	25.8					7	10.8
	7	13.5	9	20.8	16.3	28.1	23.7					8.5	12.95
	8	12	6.9	19.4	14.2	26.7	21.5					9.9	15.1
	9			18	12	25.3	19.3	32.6	26.6			11.3	17.3
	10			16.5	9.9	23.9	17.2	31.2	24.52			12.7	19.4
	11			15.3	7.7	22.6	15	29.9	22.3	37.2	29.6	14	21.6
KT 075S	5			13.8	5.6	21.1	12.9	28.4	20.2	35.7	27.5	15.5	23.7
	6	23.4	17.8	35.1	29.5	19.7	10.7	27	18	34.3	25.3	16.9	25.9
	7	21.1	14.3	32.8	26							11.9	17.5
	8	18.7	10.8	30.4	22.5							14.2	21
	9			28	19	39.8	30.8					16.6	24.5
	10			25.7	15.5	37.5	27.3					19	28
	11			23.3	12	35.1	23.8	46.8	35.5	58.6	47.3	21.3	31.5
KT 083S	5					32.7	20.3	44.4	32	56.2	43.8	26.1	38.5
	6	30.9	23.8	46.1	38.9	30.4	16.8	42.1	28.5	53.9	40.3	28.4	42
	7	28.1	19.5	43.3	34.6							14.5	21.7
	8	25.2	15.1	40.3	30.2							17.39	26
	9			37.4	25.9	52.6	41.1					20.3	30.4
	10			34.5	21.5	49.7	36.7					23.2	34.7
	11			31.6	17.2	46.8	32.4	62	47.6	77.1	62.7	26.1	39.1
KT 092S	5					43.9	28.1	59.1	43.3	74.2	58.4	31.9	47.7
	6	50.28	37.78	75.54	63.03	41	23.7	56.2	38.8	71.3	54	34.78	52.08
	7	45.18	30.18	70.44	55.44							25.5	38
	8	40.08	22.58	65.34	47.84							30.6	45.6
	9			60.24	40.24	85.5	65.5					35.7	53.2
	10			55.14	32.69	80.4	57.9					40.8	60.8
	11			50.04	25.04	75.3	50.3	100.56	75.56	125.82	100.82	51	76
KT 105S	5					70.2	42.7	95.46	67.96	120.72	93.22	56.1	83.6
	6	68.6	52	103.6	87	65.1	35.1	90.36	60.36	115.6	85.6	61.2	91.2
	7	61.9	42	96.9	77							33.2	49.8
	8	55.3	32.1	90.3	67.1							39.9	59.8
	9			83.7	57.1	116.6	90					46.5	69.7
	10			77	47.4	109.9	80.3					53.1	79.7
	11			70.4	37.2	103.3	70.1	137.3	104	171.2	138	59.8	89.4
KT 125S	5					96.7	60.1	130.6	94	164.6	128	73	109.6
	6	115.5	88	173.8	146.3	90	50.2	123.9	84.1	157.9	118.1	79.7	119.5
	7	103.6	70.6	161.9	128.9							66.4	99.6
	8	91.8	53.5	150.1	111.6							73	109.6
	9			138.2	94.2	196.5	152.5					66.4	99.6
	10			126.3	76.8	184.6	135.1					66.4	99.6
	11			114.4	59.4	172.7	117.7	231	176			118.8	173.8
KT 140S	5					160.9	100.4	219.2	158.7	277.5	217	130.6	191.1
	6	174.7	131.2	262.5	219	149	83	207.3	141.3	265.6	199.6	142.5	208.5
	7	157	104.8	244.8	192.6							59.4	86.9
	8	133.9	78.4	227.1	166.2							71.3	104.3
	9			209.4	139.8	297.1	227.5					83.1	121.6
	10			191.7	113.4	279.4	201.1					95	139
	11			174	87	261.7	174.7	349.4	262.4	437.8	350.1	118.8	173.8
KT 160S	5					244	148.3	331.7	236	419.5	323.8	194.7	290.4
	6	264.6	197.1	398.3	330.8	226.3	121.9	314	209.6	401.8	297.4	212.4	316.8
	7	237.3	156.2	371	289.9							88.5	132
	8	210	115.4	343.7	249.1							106.2	158.4
	9	182.7	74.6	316.4	208.3							123.9	184.8
	10			289.1	167.5	422.8	301.2					141.6	211.2
	11			261.8	126.7	395.5	260.4	529.2	394.1			159.3	237.6
KT 160S	5					368.2	219.6	501.9	353.3	635.6	487	300.3	448.9
	6					340.9	178.8	474.6	312.5	608.3	446.2	327.6	489.7
	7											136.5	204
	8											163.8	244.9
	9											191.1	285.7
	10											218.4	326.5
	11											245.7	367.3

* 输出扭矩的数值为实验数据，参考时必须考虑与实际情况对应的80%~90%的安全系数。

Values of output torque are from laboratory, 80%~90% security factor must be considered depending on the application conditions.

气动执行器 Pneumatic Actuator

Series KT

* 单作用执行器输出扭矩 Output Torque of Single Acting (Nm)

气压 Air pressure		输出扭矩 Output torque (Nm)										弹簧输出扭矩 Output torque of spring (Nm)		
		3 bar		4 bar		5 bar		6 bar		7 bar				
型号 Model	弹簧数量 No. of springs	90°C	0°C	90°C	0°C	90°C	0°C	90°C	0°C	90°C	0°C	0°C	90°C	
		起点 Beginning	终点 End	起点 Beginning	终点 End	起点 Beginning	终点 End	起点 Beginning	终点 End	起点 Beginning	终点 End	起点 Beginning	终点 End	
KT190S	5	429	320.4	644.5	535.9								217.4	326
	6	385.5	255.2	601	470.7								260.9	391.2
	7	342	190	557.5	405.5								304.4	456.4
	8			514	340.3	729.5	555.8						347.9	521.6
	9			470.6	275.1	686.1	490.6						391.3	586.8
	10			427.1	209.9	642.6	425.4	858.1	640.9	1073.6	856.4	434.8	652	
	11					599.1	360.2	814.6	575.7	1030.1	791.2	478.3	717.2	
KT210S	5	589.6	440.6	885.7	736.7								298.8	447.8
	6	529.8	351.1	825.9	647.2								358.6	537.3
	7	470.1	261.5	766.2	557.6								418.3	626.9
	8			706.4	468.1	1002.5	764.2						478.1	716.4
	9			646.7	375.5	942.8	671.6						537.8	809
	10			586.9	289	883	585.1	1179.1	881.2	1475.2	1177.3	597.6	895.5	
	11					823.2	495.5	1119.3	791.6	1415.4	1087.7	657.4	985.1	
KT240S	5	924	690.5	1488.1	1154.6								468.5	702
	6	829.9	550.1	1294	1014.2								562.6	842.4
	7	736.7	409.7	1200.8	873.8								655.8	982.8
	8			1107.1	733.4	1571.3	1197.6						749.5	1123.2
	9			1013.4	593	1477.6	1057.2						843.2	1263.6
	10			919.7	452.6	1383.9	916.8	1848.1	1381	2312.2	1845.1	936.9	1404	
	11					1290.2	776.4	1754.4	1240.6	2218.5	1704.7	1030.6	1544.4	
KT270S	5	1299.7	971.2	1952.4	1623.9								658.5	987
	6	1168	773.8	1820.7	1426.5								790.2	1184.4
	7	1036.3	576.4	1689	1229.1								921.9	1381.8
	8			1557.3	1031.7	2210	1684.4						1053.6	1579.2
	9			1425.6	834.3	2078.3	1487						1185.3	1776.6
	10			1293.9	636.9	1946.6	1289.6	2599.3	1942.3	3252	2595	1317	1974	
	11					1814.9	1092.2	2467.6	1744.9	3120.3	2397.6	1448.7	2171.4	
12					1683.2	894.8	2335.9	1547.5	2988.6	2200.2	1580.4	2368.8		

* 双作用执行器输出扭矩 Output Torque of Double Acting (Nm)

型号 Model	气压 Air pressure (bar)						
	2	3	4	5	6	7	8
KT 052D	8.32	12.48	16.64	20.8	24.96	29.12	33.28
KT 063D	14.64	21.98	29.28	36.6	43.92	51.24	58.56
KT 075D	23.5	35.3	47	58.8	70.5	82.3	94
KT 083D	29.7	44.5	59.4	74.2	89.1	103.9	118.8
KT 092D	45.5	68.2	91.1	113.7	136.4	159.2	181.9
KT 105D	67.88	101.82	136.76	169.7	203.64	237.58	271.52
KT 125D	116.6	174.9	233.2	291.5	349.8	408.1	466.4
KT 140D	175.48	263.22	350.96	438.7	526.44	614.18	701.92
KT 160D	267.4	401.1	534.8	668.5	802.2	935.9	1069.6
KT 190D	430.96	646.44	861.9	1077.4	1292.9	1508.4	1723.8
KT 210D	592.2	888.4	1184.5	1480.6	1776.7	2072.8	2369
KT 240D	928.3	1392.5	1856.6	2320.8	2785	3249.1	3713.3
KT 270D	1305.4	1958.2	2610.9	3263.6	3916.3	4569	5221.8

* 输出扭矩的数值为实验数据，参考时必须考虑与实际情况对应的80%~90%的安全系数。

Values of output torque are from laboratory, 80%~90% security factor must be considered depending on the application conditions.