



Geko Fluid Control GmbH





Tel: +49 (0) 711-21570744 Fax: +49 (0) 711-21570744 Web:www.geko-union.com E-mail:info@geko-union.com

Add: Schwalbenstr.28/2 70794 Filderstadt Germany

High Performance Pneumatic Actuators Control Valve Accessories





Experience, Responsibility and Innovation Technology



Premier Manufacturer of Flow Control & Automation Products

GEKO Valves & Controls, born in Germany, is a well-known professional manufacturer of pneumatic & electric control valve and actuators. Building upon professional production capability for more than 60 years and extensive field experience, with sophisticated and most advanced fabrication process which can provide an excellent basis on optimum solutions to any specific requirements by the user. we offer industrial ball valves, gate valves, globe valves, butterfly valves, check valves. Serve

industries like Chemical, Oil & Gas, Refining, Pulp & Paper, Mining & Minerals, Power Generation Industries, etc. We have become one of the pioneers of global manufacturers of flow control valve.

Valve and actuator units supplied by Geko Valves&Controls are of superior quality and come up higher standard. They improve both performance and safety of your installation, besides, they reduce pollution to the environment and mankind.

We are a global enterprise, have plants in Germany, Netherland, Korea, China mainland as well as China Taiwan .

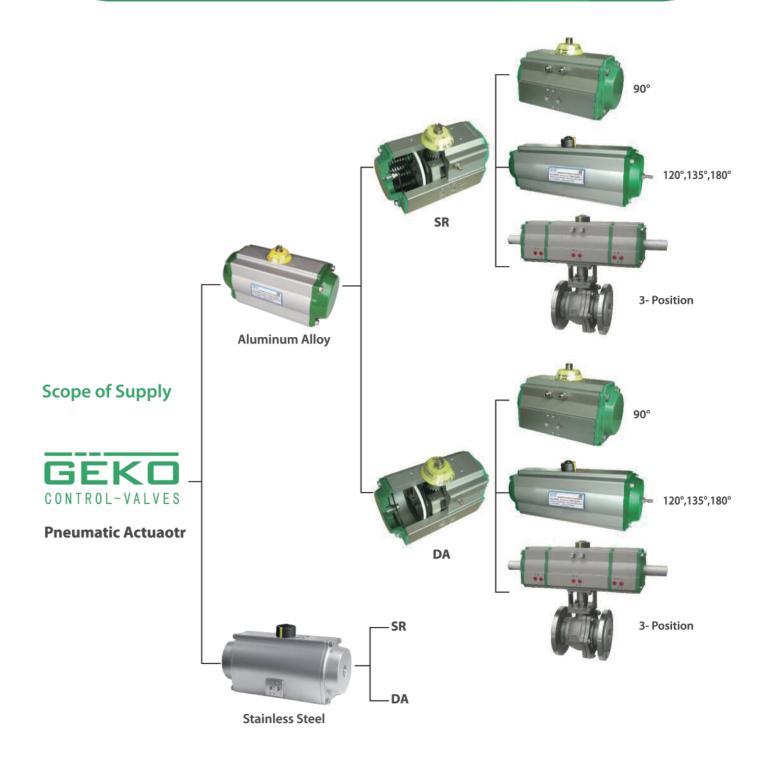








GEKO Fluid Control GmbH



Indicato













1. Hard anodized body

According to the different requirements, the extruded aluminum alloy ASTM6005 Body can be treated with hard anodized, powder polyester painted (different colours is available such as blue, orange, yellow etc.), PTFE or Nickel plated.

5. Pinion

The pinion is high-precision and integrative, made from nickelled-alloy steel, full conform to the lastest standards of ISO5211, DIN3337, NAMUR.The dimensions can be customized and the stainless steel is available.

2. Rack pistions

The twin rack pistons are made from Die-casting aluminum treated with Hard anodized or made from Cast steel with galvanization. Symmetric mounting position,long cycle life and fast operation, reversing rotation by simply inverting the pistons.

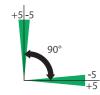


6. End caps

Die-casting aluminum powder polyester painted in different colours,PTFE or Nickel plated.

3. Travle stop adjustments

The two independent external travel stop adjustment bolts can adjust ±5° at both open and close directions easily and precisely.



4. O-rings

NBR rubber O-rings provide trouble-free operation at standard temperature ranges. For high and low temperature applications Viton or Silicone.

7. High performance springs

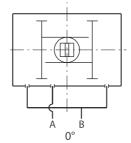
Preloaded coating springs are made from the high quality material for resistant to corrosion and longer service life, which can be demounted safely and conveniently to satisfy different requirements of torque by changing quantity of springs.

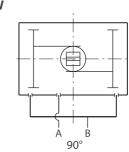
8. Bearings & Guides

Made from low friction,long-life compound material, to avoid the direct contact between metals. The maintenance and replacement are easy and convenient.

Double Acting Actuators



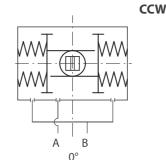


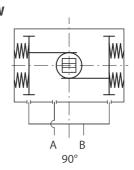


Air to Port A forces the pistons outwards, causing the pinion to turn counterclockwise while the air is being exhausted from Port B.

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

Spring Return Actuators



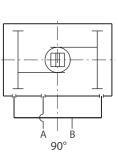


Air to port A forces the pistons outwards, causing the springs to compress, The pinion turns counterclockwise while air is being exhausted from port B.

Loss of air pressure on port A, the stored energy in the springs forces the pistons inwards. The pinion turns clockwise while air is being exhausted from port A.

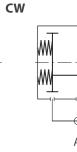
CW

0°



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

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



В Α 90° 0°

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

Loss of air pressure on port A, the stored energy in the springs forces the pistons inwards. The pinion turns clockwise while air is being exhausted from port A.

Operating Conditions

1. Operating media

Dry or lubricated air or the non-corrosive gases The maximum particle diameter must less than 30 um

2. Air supply pressure

The minimum supply pressure is 2.5 Bar The maximum supply pressure is 8 Bar

3. Operating temperature

Standard: -20°C~+80°C

Low temperature: -35°C~+80°C High temperature: -15°C~+150°C

4. Travel adjustment

Have adjustment range of ±5° for the rotation at 0° and 90°

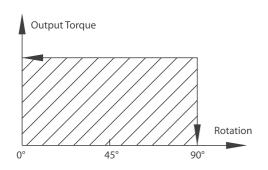
5. Application

Either indoor or outdoor





Output Torque of Double Acting Actuators



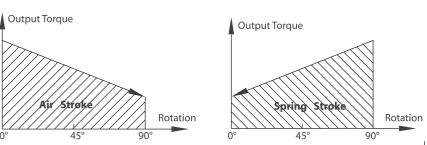
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										Unit: Nm
Ml - l				Air su	upp l y pressu	re (Unit: bar)			
Model	2	2.5	3	4	4.5	5	5.5	6	7	8
GKP007DA	3.1	3.8	4.6	6.1	6.9	7.6	8.4	9.2	10.7	12.2
GKP012DA	4.8	6	7.2	9.6	10.8	12	13.2	14.4	16.8	19.2
GKP020DA	8.0	10.0	12.0	16.0	18.0	20.0	21.9	23.9	27.9	31.9
GKP035DA	14.6	18.2	21.9	29.2	32.8	36.5	40.1	43.8	51.1	58.4
GKP050DA	20.1	25.1	30.1	40.1	45.1	50.2	55.2	60.2	70.2	80.3
GKP075DA	31.4	39.2	47.0	62.7	70.5	78.4	86.2	94.1	109.7	125.4
GKP110DA	45.1	56.4	67.7	90.3	101.6	112.9	124.1	135.4	158.0	180.6
GKP160DA	66.1	82.7	99.2	132.2	148.8	165.3	181.8	198.4	231.4	264.5
GKP255DA	100.3	125.4	150.5	200.6	225.7	250.8	275.9	301.0	351.1	401.3
GKP435DA	171.0	213.8	256.5	342.0	384.8	427.5	470.3	513.0	598.5	684.0
GKP665DA	266.0	332.5	399.0	532.0	598.5	665.0	731.5	798.0	931.0	1064.0
GKP1000DA	425.6	532.0	638.4	851.2	957.6	1064.0	1170.4	1276.8	1489.6	1702.4
GKP1200DA	532.0	665.0	798.0	1064.0	1197.0	1330.0	1463.0	1596.0	1862.0	2128.0
GKP1800DA	769.5	961.9	1154.3	1539.0	1731.4	1923.8	2116.1	2308.5	2693.3	3078.0
GKP2700DA	1169.6	1462.1	1754.5	2339.3	2631.7	2924.1	3216.5	3508.9	4093.7	4678.6
GKP3800DA	1526	1908	2289	3052	3434	3815	4197	4578	5341	6104
GKP5700DA	2285	2856	3427	4570	5141	5712	6283	6854	7997	9139
GKP8000DA	3256	4070	4884	6512	7326	8140	8954	9768	11396	13024





Output Torque of Spring Return Actuators

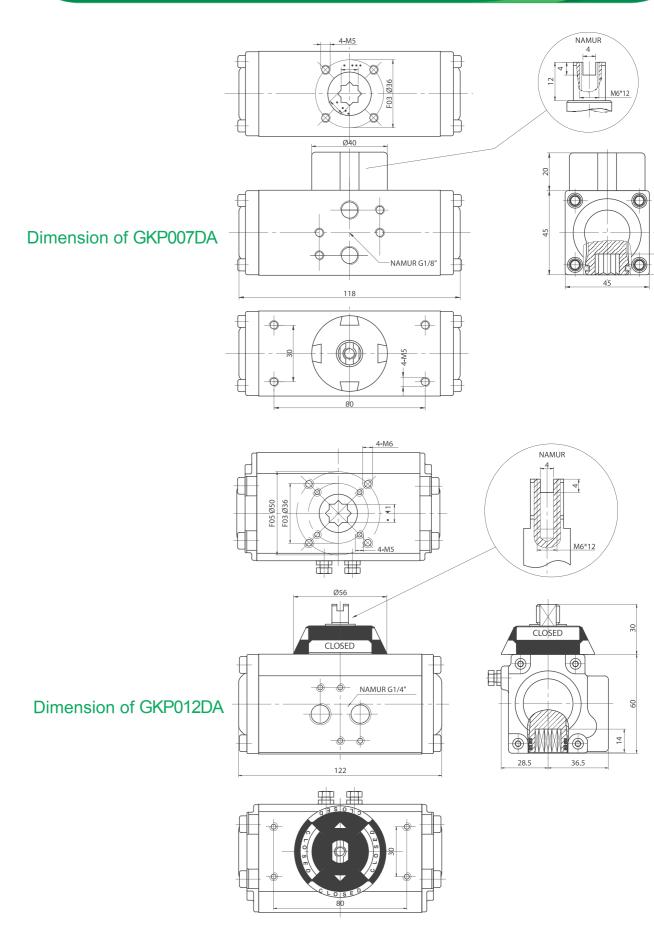


							0.		6 -:		_						Unit: Nm
Air press	sure	2.5E	BAR	3 F	SAR	4F	BAR	tput torq	ue of air i BAR		s BAR	7R	BAR	8F	BAR	Springs'	output
	Spring		90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0	90°	90°	0°
Model	Qty.	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
	K5	5.7	3.8	7.6	5.7											6.2	4.3 5.0
	K6	4.9	2.5	6.9	4.5	10.9	8.5	I]					7.4	5.0
	K7	4.0	1.3	6.0	3.3 2.0	9.8 9.2	7.3	14.0 13.2	10.4 9.1	 <u>-</u>	ļ		ļ			8.6	5.9 6.7
GKP020SR	K8			5.2	2.0	9.2	6.0	13.2	9.1	17.2	14.1					9.9	6.7
	K9 K10			4.3	0.8	8.3 7.4	4.8	12.3 11.5	7.9 6.7	16.3 15.5	12.8 11.6	20.3 19.5	16.8 15.6			11.1 12.4	7.6 8.5
	K11			ļ		6.6	3.6	10.6	5.4	14.6	10.4	18.6	14.3	22.6	18.3	13.6	9.3
	K12			ļ				9.7	4.2	13.8	9.1	17.8	12.2	21.8	17.1	14.8	10.2
	K5	11.4	7.7	15.0	11.4	22.3	14.9									10.4	6.8
	<u>K6</u>	10.1	5.7	13.6	9.3	20.9	16.6	28.3	23.9							12.5	8.2
	K7	8.6	3.6	12.5	7.2	19.5	14.5	26.8	21.9							14.6	9.6
GKP035SR	K8			10.9	5.1	18.2 16.8	12.4	25.5 24.1	19.8 17.7	32.8 31.4	27.0	40.1 38.7	34.3 32.2			16.7 18.8	10.9 12.3
	K9 K10			ļ		1.4	8.2	22.8	15.6	30.0	24.9 22.8	37.3	30.1	44.7	37.4	20.9	13.7
	K11			ļ		!:=	0.2	21.5	13.5	28.7	20.7	36.0	28.0	43.3	35.3	22.9	15.0
	K12			ļ			·	20.0	11.4	27.3	18.6	34.6	25.9	41.9	33.3	25.0	16.4
	K5	14.5	10.6	19.4	15.5	29.5	25.7 22.7							L		14.5	10.5
	K6	12.4	7.6	17.3	12.6	27.4	22.7	37.5	32.8							17.4	12.7
	K7	10.4	4.8	15.2	9.7	25.3	19.9 16.9	35.4	29.9							20.3	14.8
GKP050SR	K8 K9			13.1	6.8	23.1	16.9	33.3 31.2	27.0 24.1	43.2	37.0	53.3 51.2	47.0 44.2			23.2 26.1	16.9
	K10			 		21.0 19.0	14.1 11.1	28.8	21.2	41.1 39.0	34.1 31.2	49.1	41.2	59.1	51.2	29.0	19.0 21.1
	K11			<u> </u>				27.0	18.3	37.0	28.3	47.0	38.4	57.0	48.4	31.9	23.2
	K12			†			ļ	24.9	15.4	34.9	25.4	44.9	35.4	54.9	45.4	31.9 34.7	23.2 25.3
	K5	23.3	16.1	31.1	24.0	46.8	39.7							L		23.0	15.8
	K6	20.1	11.5	28.0	19.3	43.7	35.1	59.4	50.7	L	ļ		L	L		27.6	19.0
	K7	17.0	6.9	24.8	14.8	40.5	30.5	56.2	46.2							32.2	22.1
GKP075SR	K8 K9			21.7	10.1	37.4	25.8 21.3	53.1 49.9	41.5 37.0	65.6	57.2 52.6	84.5	72.9 68.3			36.8 41.4	25.3 28.5
	K10					34.2 31.0	16.6	46.7	32.3	62.4	48.0	78.1	63.7	93.8	79.3	46.0	31.6
	K11			ļ			1-1111	43.6	27.7	59.3	43.4	75.0	59.1	90.6	74.8	50.6	34.8
	K12							40.4	23.2	56.1	38.9	71.7	54.5	87.4	70.2	55.2	38.0
	K5	33.1	22.0	44.2	33.2	66.8	55.9							L		34.4	23.3
	K6	28.4	15.2	39.6	26.4	62.2	49.0 42.1	84.8	71.6 64.7		ļ					41.2	28.0 32.7
	K7	23.8	8.2	34.9	19.4	57.5 52.9	42.1	80.2	64./			1207	102.0			48.1	32./
GKP110SR	K8 K9			31.3	12.6	48.2	35.2 28.4	75.5 70.9	57.9 51.0	98.1 93.5	80.5 73.6	120.7 116.0	103.0 96.1			55.0 61.9	37.3 42.0
	K10			<u> </u>		43.6	21.5	66.2	44.1	88.8	66.7	111.3	89.2	134.0	111.8	68.7	46.7
	K11			ļ		15.5	1-2115	61.5	37.2	84.1	59.9	106.6	82.4	129.2	105.0	75.6	51.4
	K12							56.8	30.4	79.4	53.0	101.9	75.5	124.5	98.1	82.5	56.0
	K5	51.0	33.4	67.5	49.9	100.6	83.0	ļ								49.2	31.6
	K6	44.7	23.5	61.1	40.0	94.2	73.2	127.3	106.2							59.1	38.0
	K7 K8	38.4	13.7	54.9 48.5	30.3 20.4	87.9 81.6	63.4 53.5	121.0 114.7	96.4 86.5	147.7	119.6	180.8	152.7			68.9 78.7	44.3 50.6
GKP160SR	K9			40.5	20.4	75.3	43.7	108.4	76.8	141.5	109.8	174.5	142.9			88.6	56.9
	K10					68.9	33.4	102.0	66.5	135.1	99.6	168.2	132.6	201.2	165.7	98.4	63.3
	K11						1-9911-	95.7	57.0	128.7	90.1	161.8	123.1	201.2 194.8	165.7 156.2	108.3	69.6
	K12						I	89.4	47.5	122.5	80.6	155.5	113.6	188.6	146.7	118.1	75.9
	K5 K6	<u>73</u> 63	47 31	<u>98</u> 88	72 56	1 <u>48</u> 138	122 107	1 <u>1</u> 88	157	ļ						79 94	- <u>52</u> - 63
	K7	52	15	<u>7</u> 7	40	138 127	90	178	1141	h			h	·		110	73
	K8 K9			67	40 25	117	90 75	167	125	217	176	268	226 210			125	73 84
GKP255SR	K9 K10		ļ	ļ		107	59 44	157	109	2 <u>0</u> 7 196	159 144	257 247	2 <u>10</u> 194	297	516-	141	94
	K11			 		96		146 136	94 78	186	128	236	178	286	- <u>243</u> -	157 173	105 115
	K12			ļ			ļ	125	78 63	176	113	226	163	276	245 228 213	188	125
	K5 K6	128 111	85 59 33	171 154	127 102 76	256 239 222	213 187			ļ	ļ <u>.</u>	<u> </u>	ļ <u> </u>	ļ		129 155	86
	K6 K7	94	33	154 137	<u>102</u>	239	187	325	273 247 221	·			·			181	103 120
CNDVSCC	K8 K9		122	120	50	205	136	291 273	221	376	307	462	- 39 <u>2</u> - 367 - 367 - 3	<u> </u>		206	1 <u>20</u> 137
GKP435SR				Į		1 187 -	110	273	196	358	281	444	367			232	155
	K10 K11			ļ		1701	<u> </u>	256 238	169 143	341 324	307 281 255 229	<u>427</u> 409	340 314	_5 <u>1</u> 2 _495	426 400	258 284	172 189
	K12			t			t	221	118	307	203	392	289	478	374	310	206





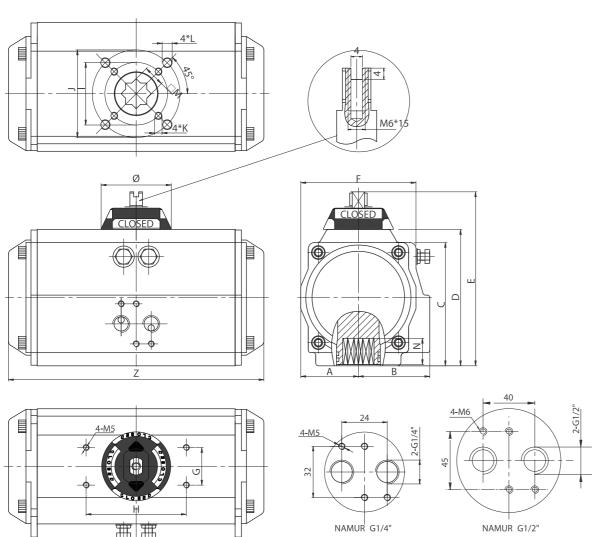
						Output	torque of	air to spi	rings							Springs'	Unit: Nr
Air pre	essure	2.5Ba	ar	3B	ar	4B	ar	5B	ar	6B	ar	7E	Bar	8B	Bar	Springs	
AA 1.1	Spring	- 0°	90°	ō°	90°	ō°	90°	0°	90°	0°	90°	0°	90°	ō°	90°	90°	0°
Model	Qty.	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
	K5	193	124	259	191	392	324				T		1			208	140
	K6	165	83	232	149	365	282	498	415	[1				[250	168
	K7	137	41	203	107	336	240	469	373]					292	196
GKP665SR	K8]	176	66	309	199	442	237	575	465	708	598			333	223
GKF0055K	K9					280	157	413	290	546	423	679	556			375	251
	K10_			ļ		253	115	386	248	519	381	652	514	785	647	417	279
	K11		l	ļ				358	207	491	340	624	473	757	606	458	307
	K12							330	165	463	298	596	431	729	564	500	335
	K5	332	_222_	438	329	651	542			ļ	ļ				ļ	309	200
	K6	292	161	398	267	611	480	824	693							371	240
	K7	252_	99	358	205	571	418	784	631	<u></u>						433	280
GKP1000SR	K8			318	143	531	356	744	569	957	782	1169	995			495	320
	K9			ļ		491	295	704	507	917	720	1130	933		1004	557	360
	K10			ļ		451	233	664	446	877	658	1090	871	1302	1084	618	400
	K11			·				624 584	384 322	837 797	597	1050	809 748	1263 1223	1022 960	<u>680</u> 742	440
	K12 K5	390	285	523	418	789	684	264	322	/9/	232	1010	/48	1223	900	380	275
	K6	390	209	468		734	608	1000	07/	·	1				·	456	330
	K7	1	1	+	342 266			945	874 798	h					h		385
01/245	K8	280_	133_	413 358	190	679 624	456	890	722 728 -	1156	988	1422	1254		h	532 608	440
GKP1200SR	K9			330	1.50	569	380	835	646	1101	912	1367	1178			684	495
	K10			t		514	304	780	570	1046	836	1312	1102	1578	1368	760	550
	K11			<u> </u>				725	494	991	760	1257	1026	1523	1292	836	605
	K12			·				670	418	936	684	1202	950	1468	1216	912	660
	K5	552	409	744	600	1129	985	0,0	110	750	001	1202	750	1 100	1210	554	410
	K6	470	297	662	489	1047	874	1432	1259		1					665	492
	K7	388	187	580	379	964	764	1349	1149	ļ	1				† ·	775	575
GKP1800SR -	K8		1	498	268	883	653	1267	1037	1652	1422	2037	1807			886	656
	K9		1	ļ		800	542	1185	926	1569	1311	1954	1696			998	739
	K10		1	ļ		718	431	1103	816	1488	1201	1872	1586	2257	1970	1108	821
	K11		1	ļ	1			1021	705	1406	1090	1791	1474	2176	1859	1219	903
	K12							939	594	1323	979	1708	1363	2093	1748	1330	985
	K5	903	675	1195	968	1779	1552]					787	560
	K6	790	519	1083	811	1667	1396	2252	1981	L]				L	943	672
	K7	679	361	972	654	1556	1238	2141	1823	<u> </u>	1				L	1101	783
GKP2700SR	K8			860	497	1444	1081	2029	1666	2614	2252	3199	2836		ļ	1258	895
GKI 27003K	K9			ļ		1332	923	1917	1509	2502	2094	3087	2678		ļ	1416	1007
	K10			ļ		1220	767	1805	1352	2390	1937	2974	2521	3560	3107	1572	1119
	K11		ļ	ļ				1693	1194	2278	1779	2862	2364	3448	2949	1730	1231
	K12	400=						1582	1037	2167	1623	2751	2207	3336	2792	1887	1342
	K5	1097	729	ļ.,,,,,						ļ					ļ	1061	730
	K6	935	494	1316	875	1016	1402									1273	876
	K7	772	258_	1153	639	1916	1402		1020							1485	1022
GKP3800SR	K8			991	403	1754 1592	930	2517	1929	2110	2/15/					1697 1909	1168 1314
	K9 K10			·		1430	695	2355 2193	1693 1458	3118 2956	2456	3719	2984	4482	3747	2122	1460
	K11			·		1730		2030	1222	2793	1985	3556	2748	4319	3511	2334	1606
	K12			·				1868	986	2631	1749	3394	2512	4157	3275	2546	1752
	K12	1553	964					1000	200	2031	1/73	JJ 34	2312	113/	32/3	1702	11732
	K6	1292	586	1863	1157	·		<u> </u>		t	1				t	2043	1408
	K7	1031	208	1602	779	2745	1922	<u> </u>		t	1				t	2383	1642
CNDEAUCE	K8	- 1221.	1-200-	1341	401	2484	1544	3626	2686	t	1				t	2724	1877
GKP5700SR	K9			1	''	2224	1165	3336	2307	4508	3449				t	3064	2112
	K10			t		1963	787	3105	1929	4247	3071	5390	4214	6532	5356	3405	2346
	K11		1	t	1			2844	1551	3986	2693	5129	3836	6271	4978	3745	2581
	K12		1	†	1			2584	1172	3726	2314	4869	3457	6011	4599	4086	2816
	K7	2028	869								1	· ·				2880	1837
	K8	1736		2550	1225	[[]	[]]]]	[3292	2100
	K9]	2259	768	3887	2396	[]	[]]]	[3703	2362
	K10]]	1967	311	3595	1939	5223	3567	[]]	[4115	2624
GKP8000SR	K11	l]	I]	3303	1482	4931	3110	6559	4738]	[]	4526	2887
OK 00003N	K12	l]	I]	3012	1025	4640	2653	6268	4281	7895	5908	9523	7536	4938	3149
	K13]	I		[4348	2195	5976	3823	7603	5450	9231	7078	5349	3412
	K14]	I]	[4057	1738	5685	3366	7312	4993	8940	6621	5761	3674
	K15			1]	l		3765	1281	5393	2909	7020	4536	8648	6164	6172	3937
	K16									5101	2452	6728	4079	8356	5707	6584	4199





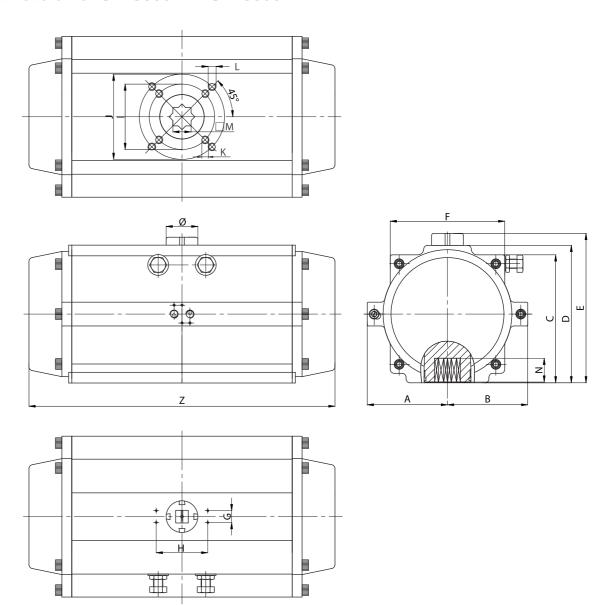


Dimension of GKP020DA~GKP2700DA



																	Unit: mm
Model	Α	В	C	D	E	F	G	Н	1	J	K	L	М	N	Z	Ø	Air Connection
GKP020	30	41.5	65.5	72	102	65	30	80	Ø36	Ø50	M5x8	M6x10	11	14	147	Ø56	NAMUR G1/4"
GKP035	36	47	81	87.5	117.5	72	30	80	Ø50	Ø70	M6x10	M8x13	14	18	168	Ø56	NAMUR G1/4"
GKP050	42	53	94	99.5	129.5	81	30	80	Ø50	Ø70	M6x10	M8x13	14	18	184	Ø56	NAMUR G1/4"
GKP075	46	57	98.5	108.7	138.7	92	30	80	Ø50	Ø70	M6x10	M8x13	17	21	204	Ø56	NAMUR G1/4"
GKP110	50	58.5	111	116.5	146.5	98	30	80	Ø50	Ø70	M6x10	M8x13	17	21	262	Ø56	NAMUR G1/4"
GKP160	57.5	64	122.5	133	163	109.5	30	80	Ø70	Ø102	M8x13	M10x16	22	26	268	Ø56	NAMUR G1/4"
GKP255	67.5	74.5	145.5	155	185	127.5	30	80	Ø70	Ø102	M8x13	M10x16	22	26	301	Ø68	NAMUR G1/4"
GKP435	75	77	161	172	202	137.5	30	80	Ø102	Ø125	M10x16	M12x20	27	31	390	Ø68	NAMUR G1/4"
GKP665	87	87	184	197	227	158	30	80	Ø102	Ø125	M10x16	M12x20	27	31	458	Ø68	NAMUR G1/4"
GKP1000	103	103	213	230	260	189	30	130		Ø140		M16x25	36	40	525	Ø91	NAMUR G1/4"
GKP1200	113	113	235.5	255	285	210	30	130		Ø140		M16x25	36	40	532	Ø91	NAMUR G1/4"
GKP1800	130	130	264.5	289	319	245	30	130		Ø165		M20x25	46	50	602	Ø91	NAMUR G1/4"
GKP2700	147	147	299	326	356	273	30	130		Ø165		M20x25	46	50	722	Ø91	NAMUR G1/2"

Dimension of GKP3800DA~GKP8000DA



																	Unit: mm
Model	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	Z	Ø	Air Connection
GKP3800	203	203	324	348	378	290	30	130	Ø165	Ø215	4-M20x25	4-M20x25	46	60	772	Ø80	NAMUR G1/2"
GKP5700	230	230	380	410	440	336	30	130	Ø165	Ø215	4-M20x25	4-M20x25	46	60	870	Ø80	NAMUR G1/2"
GKP8000	258	258	450	480	510	360	30	130	Ø165	Ø254	4-M20x25	8-M16x25	55	60	930	Ø80	NAMUR G1/2"

Cylinder

								Unit: mm
GKP007	GKP012	GKP020	GKP035	GKP050	GKP075	GKP110	GKP160	GKP255
Ø32	Ø40	Ø52	Ø63	Ø75	Ø83	Ø92	Ø105	Ø125
GKP435	GKP665	GKP1000	GKP1200	GKP1800	GKP2700	GKP3800	GKP5700	GKP8000
Ø140	Ø160	Ø190	Ø210	Ø240	Ø270	Ø300	Ø350	Ø400
	Ø32 GKP435	Ø32 Ø40 GKP435 GKP665	Ø32 Ø40 Ø52 GKP435 GKP665 GKP1000	Ø32 Ø40 Ø52 Ø63 GKP435 GKP665 GKP1000 GKP1200	Ø32 Ø40 Ø52 Ø63 Ø75 GKP435 GKP665 GKP1000 GKP1200 GKP1800	Ø32 Ø40 Ø52 Ø63 Ø75 Ø83 GKP435 GKP665 GKP1000 GKP1200 GKP1800 GKP2700	Ø32 Ø40 Ø52 Ø63 Ø75 Ø83 Ø92 GKP435 GKP665 GKP1000 GKP1200 GKP1800 GKP2700 GKP3800	Ø32 Ø40 Ø52 Ø63 Ø75 Ø83 Ø92 Ø105 GKP435 GKP665 GKP1000 GKP1200 GKP1800 GKP2700 GKP3800 GKP5700





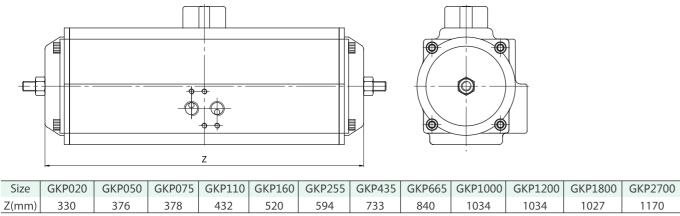
120°, 135°, 180° Double Acting and Spring Return

 120° , 135° , 180° actuators provide rotations of 120° , 135° or 180° . The external travel stop is available as a standard in fully open position (120° , 135° or 180°) and in fully close position (0°), and it is easily and precisely adjustable of $+/-5^{\circ}$ in both directions.

Output Torque

Output torque of double acting actuators please refer to the torque of 90° actuators.

Dimension



If you enquire any further information of spring return actuators, please do not hesitate to contact us.

Three Position Pneumatic Actuator

GEKO 3 position pneumatic actuators provide an operation of 0° 45° - 90°. The intermediate position is achieved by an external mechanical stop of movement on the 2 auxiliary pistons. This intermediate stop position is adjustable from 0-90, for example 5°, 20°, 30°, 50°, 75° etc. The intermediate position is easily achieved by adjusting the external nuts located outside the two end-caps.

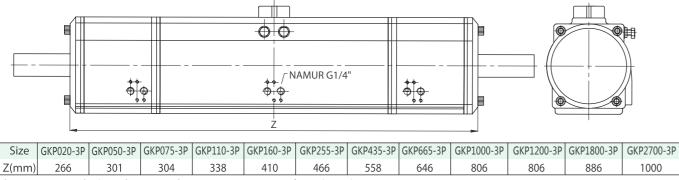
Both type, double acting and spring return, are available.

The 0°-90°-180° acting actuator is available.

Output Torque

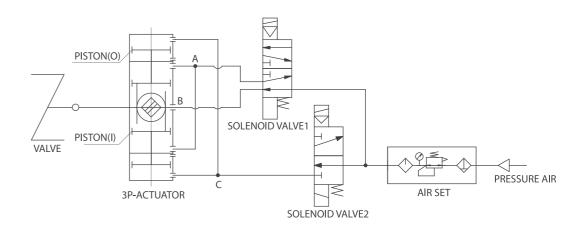
Output torque of double acting and spring return actuators please refer to the torque of 90° actuators.

Dimension of double acting actuator

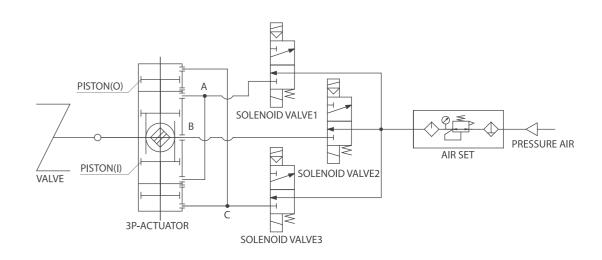


If you enquire any further information of spring return actuators, please do not hesitate to contact us.

In order to control the operation of GEKO 3-position pneumatic actuators a system of solenoid valves controlling a sequence of air supplies to the actuator is required as described below:



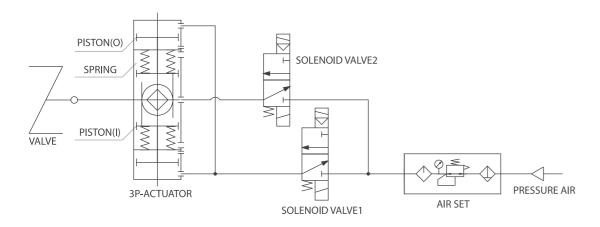
	0°	90°	30°	0°
SOLENOID VALVE1	OFF	ON	OFF	OFF
SOLENOID VALVE2	OFF	OFF	ON	OFF



	0°	30°	90°	30°	0°
SOLENOID VALVE1	OFF	OFF	ON	OFF	OFF
SOLENOID VALVE2	ON	OFF	OFF	ON	ON
SOLENOID VALVE3	OFF	ON	ON	ON	OFF







	0°	30°	90°	30°	0°
SOLENOID VALVE1	OFF	ON	OFF	ON	OFF
SOLENOID VALVE2	OFF	ON	ON	ON	OFF







Stainless Steel Rack and Pinion Actuator



GEKO has developed a new line of stainless steel actuators. This new line of stainless steel actuators has been designed to be corrosive environment by using forged high quality stainless steel body material in SS304, SS316, SS316L.

Appropriate Field of Applications:

• Food Industry • Sanitary • Enology • Corrosive Environments

Pharmaceutical
 Cosmetics
 Marine and Offshore Plant

These actuators are manufactured in Double Acting and Spring Return.

The stainless steel actuators are also available with optional polished surface, particularly for Sanitary and Pharmaceutical applications.





Features and Benifits:

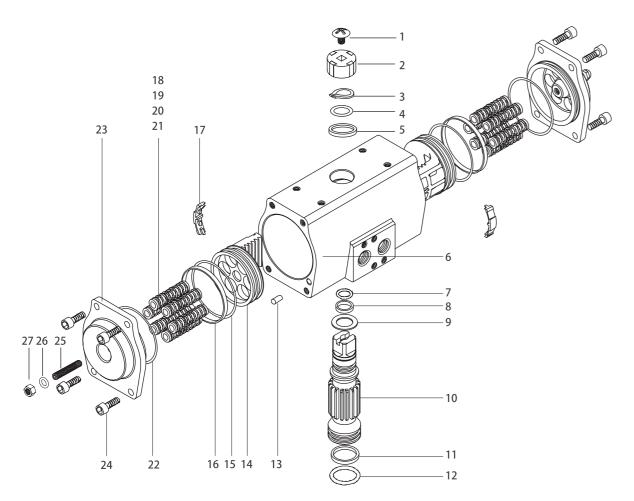
The new line of stainless steel actuators offers a lot innovative design features and benefits like:

- High performance
- Full compliance with latest worldwide
- Simply, compact and modem shape to avoid cavity and corrosive deposit build up
- Namur air connection interface, for easy mounting of solenoid valves
- Namur mounting dimension on top, for simply ancilliary installation
- Full conformance to the latest specifications: ISO 5211 and DIN 3337
- Dual piston rack and pinion design for compact construction, symmetric mounting position, high-cycle life and fast operation, reverse rotation can be accomplished in the field by simply inverting the pistons
- Preloaded coating springs are made from the high quality material for resistant to corrosion and longer service life, which can be demounted safely and conveniently to satisfy different requirements of torque by changing quantity of springs.



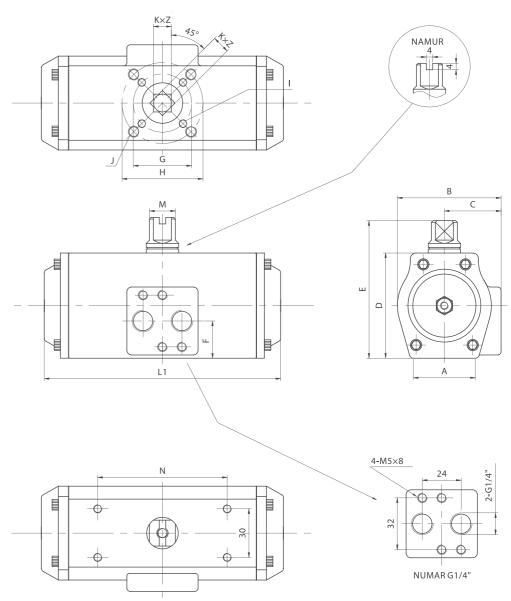


Assemble, Parts and Materials



No.	Description	Qty.	Standards Materia	No.	Description	Qty.	Standards Material
110.	· ·	Qty.					
ı	Indicator screw	ı	Plastic(ABS)	15	O-ring(Piston)	2	Viton/NBR
2	Indicator	1	Plastic(ABS)	16	Bearing(Piston)	2	Polyoxymethylene
3	Circlip	1	Stainless steel(304)	17	Guide(Piston)	2	Nylon6
4	Thrust washer	1	Stainless steel(304)	18	Spring	*	Spring steel
5	Outside washer	1	Polyoxymethylene	19	Spring Retainer(L)	*	Nylon66
6	Body	1	Stainless steel(304)	20	Spring Retainer(R)	*	Nylon66
7	O-ring(Pinion top)	1	Viton/NBRNBR	21	Retainer Connector	*	Brass
8	Bearing(Pinion top)	1	Polyoxymethylene	22	O-ring(End-Cap)	2	Viton/NBR
9	Inside washer	1	Polyoxymethylene	23	End-Cap	2	Stainless steel(304)
10	Pinion	1	Stainless steel(304)	24	End-Cap Screw	8	Stainless steel(304)
11	Bearing(Pinion bottom)	1	Polyoxymethylene	25	Adjust Screw	2	Stainless steel(304)
12	O-ring(Pinion bottom)	1	Viton/NBR	26	O-ring (Adjust Screw)	2	Stainless steel(304
13	Plug	2	NBR	27	Nut (Adjust Screw)	2	Viton/NBR)
14	Piston	2	Stainless steel(304)				

SS Series Actuator Dimension Table



Т	ln	it٠	m

Model	А	В	C	D	E	F	G	Н	I	J	K	L1	М	N	Z	Air Connection
GKP015	48	70	41	65	85	23	Ø36	Ø50	M5x8	M6x10	11	148	16	80	14	NAMUR G1/4"
GKP035	58	78	43	81	101	23		Ø50		M6x10	14	167	16	80	18	NAMUR G1/4"
GKP075	75	102	53.5	108	128	24	Ø50	Ø70	M6x10	M8x13	17	197	16	80	21	NAMUR G1/4"
GKP160	92	122	63.5	133	153	24		Ø70		M8x13	22	251	16	80	26	NAMUR G1/4"
GKP255	96	140	72	155	185	28	Ø70	Ø102	M8x13	M10x16	22	284	22	130	26	NAMUR G1/4"
GKP435	112	154	78	171.5	201.5	34	Ø102	Ø125	M10x16	M12x20	27	360	22	130	31	NAMUR G1/4"
GKP665	127	173	86	197	227	39	Ø102	Ø125	M10x16	M12x20	27	420	22	130	31	NAMUR G1/4"
GKP1200	135	225	115	250	280	42		Ø140		M16x25	36	530	32	130	40	NAMUR G1/4"





Output Torque of Double Acting Actuators

										Unit: Nm	
Model	Air Supply (Bar) Model										
Model	2	2.5	3	4	4.5	5	5.5	6	7	8	
GKP015DA	6.0	7.6	9.1	12.1	13.6	15.1	16.6	18.1	21.1	24.2	
GKP035DA	14.2	17.8	21.3	28.4	32.0	35.5	39.1	42.6	49.7	56.8	
GKP075DA	30.8	38.5	46.2	61.6	69.4	77.1	84.8	92.5	107.9	123.3	
GKP160DA	65.8	82.2	98.7	131.6	148.0	164.4	180.9	197.3	230.2	263.1	
GKP255DA	103	128	154	205	231	256	282	308	359	410	
GKP435DA	175	219	263	351	395	439	482	526	614	702	
GKP665DA	267	334	401	535	601	668	735	802	935	1069	
GKP1200DA	526	658	789	1052	1184	1316	1447	1579	1842	2105	

GEKO Fluid Control GmbH

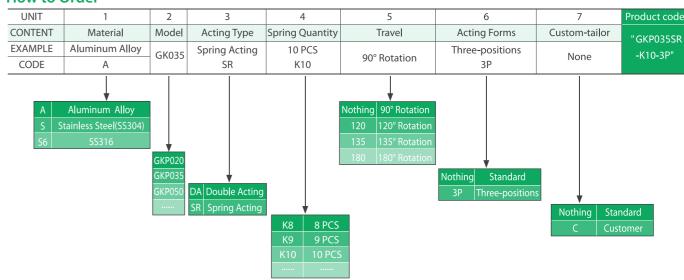
Output Torque of Spring Return Actuators

Unit: Nm

							А	ir pressu	re(Bar)										
Model	Spring	:	2	2	.5		3		4		5		5	,	7		8	Springs'	output
	Qty.	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
	5	3.0	1.2	4.6	2.8													4.6	2.9
	6	2.3	0.2	3.9	1.8	5.4	3.3											5.5	3.5
	7			3.3	0.8	4.8	2.3	7.8	5.3									6.5	4.1
GKP015SR	8					4.2	1.3	7.2	4.3	10.2	7.3							7.4	4.6
GKFUIJJK	9							6.6	3.4	9.6	6.4	12.6	9.4					8.3	5.2
	10							6.0	2.4	9.0	5.4	12.0	8.4	15.0	11.4	18.1	14.5	9.2	5.8
	11									8.4	4.4	11.4	7.4	14.4	10.4	17.5	13.5	10.1	6.4
	12									7.8	3.5	10.8	6.5	13.8	9.5	16.9	12.6	11.1	7.0
	5	7.0	3.2	10.6	6.8													10.4	6.8
	6	5.6	1.0	9.2	4.6	12.7	8.1]										12.5	8.2
	7			7.7	2.4	11.2	5.9	18.3	13.0									14.6	9.6
	8					9.8	3.7	16.9	10.8	24.0	17.9							16.7	10.9
GKP035SR	9							15.4	8.6	22.5	15.7	29.6	22.8					18.8	12.3
	10							14.0	6.4	21.1	13.5	28.2	20.6	35.3	27.7	42.4	34.8	20.9	13.7
	11							1		19.7	11.3	26.8	18.4	33.9	25.5	41.0	32.6	22.9	15.0
	12									18.2	9.1	25.3	16.2	32.4	23.3	39.5	30.4	25.0	16.4
	5	14.2	6.6	21.9	14.3													23.0	15.8
	6	10.8	1.7	18.5	9.4	26.2	17.1											27.6	19.0
	7			15.2	4.6	22.9	12.3	38.3	27.7									32.2	22.1
	8					19.6	7.4	35.0	22.8	50.5	38.3							36.8	25.3
GKP075SR	9							31.6	18.0	47.1	33.5	62.5	48.9					41.4	28.5
	10							28.3	13.2	43.8	28.7	59.2	44.1	74.6	59.5	90.0	74.9	46.0	31.6
	11							1		40.5	23.8	55.9	39.2	71.3	54.6	86.7	70.0	50.6	34.8
	12									37.1	19.0	52.5	34.4	67.9	49.8	83.3	65.2	55.2	38.0
	5	32.5	14.0	48.9	30.4													49.2	31.6
	6	25.8	3.6	42.2	20.0	58.7	36.5											59.1	38.0
	7			35.6	9.7	52.1	26.2	85.0	59.1									68.9	44.3
	8					45.4	15.8	78.3	48.7	111.1	81.5							78.7	50.6
GKP160SR	9		· · · · · · · ·			13.		71.7	38.4	104.5	71.2	137.4	104.1					88.6	56.9
	10							65.0	28.0	97.8	60.8	130.7	93.7	163.6	126.6	196.5	159.5	98.4	63.3
	11								20.0	91.1	50.4	124.0	83.3	156.9	116.2	189.8		108.3	69.6
	12		ļ							84.5	40.1	117.4	73.0	150.9	105.9	183.2	138.8	118.1	75.9
	12		<u> </u>				1			04.3	40.1	11/.4	/3.0	130.3	103.9	103.2	138.8	110.1	/ 3.5

								Air	pressu	re(Bar)									
Model	Spring	2	2	2	.5	3	3		4		5	6	5		7		8	Springs'	output
	Qty.	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
	Qty.	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
	5	47.9	20.5	72.9	45.5													78.4	52.4
	6	36.9	4.0	61.9	29.0	87.9	55.0											94.1	62.8
	7			50.8	12.5	76.8	38.5	127.8	89.5									109.7	73.3
GKP255SR	8					65.8	22.0	116.8	73.0	167.8	124.0							125.4	83.8
	9							105.8	56.5	156.8	107.5	208.8	159.5					141.1	94.2
	10							94.8	40.0	145.8	91.0	197.8	143.0	248.8	194.0	299.8	245.0	156.8	104.7
	11									134.8	74.5	186.8	126.5	237.8	177.5	288.8	228.5	172.4	115.2
	12									123.7	58.0	175.7	110.0	226.7	161.0	277.7	212.0	188.1	125.7
	5	84.7	39.3	128.7	83.3													129.0	85.8
	6	66.6	12.1	110.6	56.1	154.6	100.1											154.8	102.9
	7			92.6	29.0	136.6	73.0	224.6	161.0									180.5	120.1
8	8					118.5	45.8	206.5	133.8	294.5	221.8							206.3	137.3
GKP435SR	9							188.5	106.7	276.5	194.7	363.5	281.7					232.1	154.4
	10							170.4	79.5	258.4	167.5	345.4	254.5	433.4	342.5	521.4	430.5	257.9	171.6
	11	1								240.3	140.4	327.3	227.4	415.3	315.4	503.3	403.4	283.7	188.7
	12	1								222.3	113.2	309.3	200.2	397.3	288.2	485.3	376.2	309.5	205.9
	5	120.0	47.7	187.0	114.7													208.3	139.7
	6	90.6	3.9	157.6	70.9	224.6	137.9											250	168
	7			128.2	27.0	195.2	94.0	329.2	228.0									292	196
	8					165.8	50.2	299.8	184.2	432.8	317.2							333	223
GKP665SR	9							270.4	140.3	403.4	273.3	537.4	407.3					375	251
	10							241.0	96.4	374.0	229.5	508.0	363.5	641.0	496.5	775.0	630.5	417	279
	11									344.6	185.6	478.6	319.6	611.6	452.6	745.6	586.6	458	307
	12									315.2	141.7	449.2	275.7	582.2	408.7	716.2	542.7	500	335
	5	237	126	369	258													360	260
	6	179	46	311	178	442	309											432	313
	7			253	99	384	230	647	493									503	365
	8					326	150	589	413	853	677							575	417
GKP1200SR	9							531	333	795	597	1058	860					647	469
	10							473	253	737	517	1000	780	1263	1043	1526	1306	719	521
	11									679	437	942	700	1205	963	1468	1226	791	573
	12			1						621	357	884	620	1147	883	1410	1146	863	625

How to Order

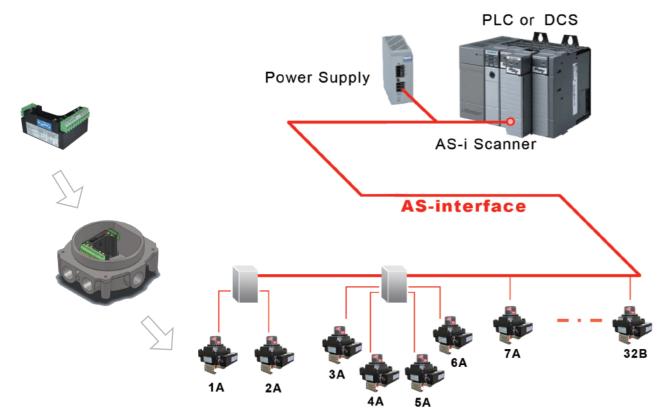








The valve bus position monitor is belonged to intelligentize and internet measurement and control field, which internally install with AS-I or DeviceNet (CPU) and HALL sensor. It's used for real-time online analysis in judging the position of valves, and it can connect the valve to internet by the AS-Interface contract agreement, which exchange information and communication. It can achieve the intelligentize recognition, location, track, monitor and manage by above all. The valve monitor is a new bus monitor machine, which can realize the position of valve by AS-I or DeviceNet bus agreement. It can transform the position of valve to the digital signal of hex system by the independent FCS system or DCS and FCS subsystem that is form with connecting two-core cable and web of things' host and PC. The intelligentize and internet monitor of valves are achieved by PC (PLC).









Additional switch options and technical issues, please consult the company.

The ALSD discrete type controller that has AS-Interface functional card mainly supports the product of mainstream PLC/DCS manufacturers. Its best feature is connecting directly the AS-I to the control system of client. Some card even support the independent two AS-I internet. The card can communicate with the A/B address module. Every card can control 62 module internets.

GEKO Solenoid

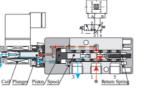
GEKO

GKV 5/6 series 3/2 normal close or 5/2 unicoil and twin coil solenoid have anodic oxidation aluminum alloy body and stainless body. The gas port is G1/4" (or NPT) thread. Every solenoid takes with two 3/2 and 5/2 NAMUR standard installed connect plate, and it's used for controlling the single acting and double acting pneumatic actuator.







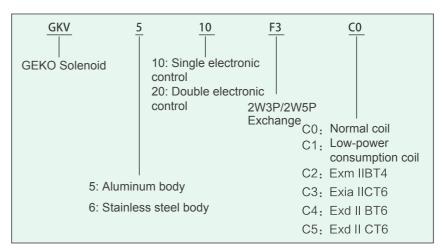




The product adopt the fixed O-ring technology, which has auto-clear function that can eject the impurity and greasy dirt and dust in the air out of the body. There isn't no blowhole on the surface because of environmental technology. The breathing cavity connect with exhaust vent, and it can prevent the life of product furthest.

GKVM 231 micro solenoid:

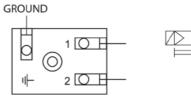
選型表

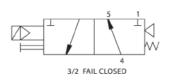


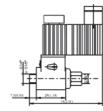


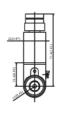
Feature: 1. 3W2P normally close

- 2. Manual operation
- 3. 1/4 or 1/8 BSPP on NPT
- 4. Directly installed in the actuator
- 5. 40mm air filter
- 6. Cv=0.15















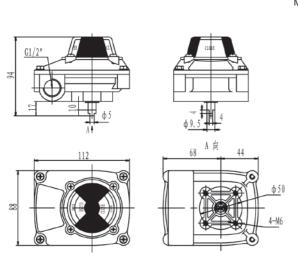


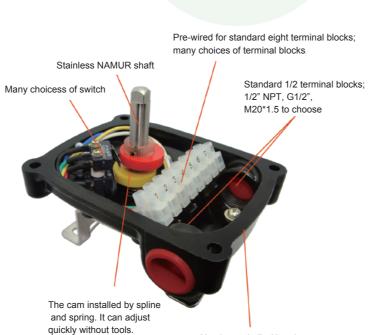
GKS-100 Protected Series Limit Switch

GKS-100 Protected Series Limit Switch offers tight, economy, stable product, many switches and high temperature and high pressure for visual position and distant signal.

Feature:

- 1. Two-dimension visual signal, high contrast color design, examine the position in all angle.
- 2. In accordance with NAMUR standard, promote interchangeability furthest.
- 3. Anti-proof bolt. It wouldn't drop when distuffing.
- 4. Temp:-25~80°C Enclosure Protection: IP67





Aluminum shell with polyester powder coating, according to NUMA4、4x standard

Selection Table

Optiona	Туре	Switch	Wiring Port	External Wiring Position	Indicator	NAMUR Bracket (Carbon Steel)
-l prefix	GKS-100	Mechanical(Passive)	2-G1/2"	2External Wiring Position	1- Alumnium cap (high	MB1.0:30*80 H:20
-Double D Shaft -NAMUR Shaft	Achieved Approval IP67 NEMA4 NEMA4x	M2: 2SPDT M5: 2DPDT MG2:Mechanism Gilded Contact Proximity Sensors	2-1/2"NPT 2-M20*1.5 2- M16*1.5	4External Wiring Position 6External Wiring Position	temperature 120°C) 2- Dome 90°indicator 3- Flat 90°indicator 4- Flat 30°indicator	MB1.0: 30*80 H:20 MB1.1: 30*130 H:30~50 MB2.3:30*80(130) H:20~30
-Polyester Coating -Ni-p coating	CSA	(Active) PP:P&F(NAMUR) ExiallCT6 PA: Proximity Sensors(2or3) Magnet Sensors (Passive) QA:Magnet			5- Flat 45°indicator 6- Flat 60°indicator 7- Flat 120°indicator 8-Three way valve "T" or "L"	Stainless steel(SS304 SS316) to choose
		Sensors(2or3) SPSTorSPDT			9-ReverseRed-open Yellow-close	



Explosion Proof GKS-300 Series Limit Switch

Explosion Proof GKS-300 Series Limit Switch offers high-performance and stable product for high danger occasion. Aluminum or stainless body, polyester coating is deep and enduring. The body is accordance to E Ex standard.

Feature:

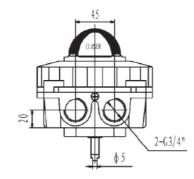
- 1. Two-dimension visual signal, high contrast color design, examine the position in all angle.
- 2. In accordance with NAMUR standard, promote interchangeability furthest.
- 3. Anti-proof bolt. It wouldn't drop when distuffing.
- 4. Aluminum or stainless body, polyester coating.
- 5. Double connection port: double 3/4" NPT port. It can maximum be chosen by 4 connection (G3/4", G1/2", 1/2"NPT, M20*1.5 to choose)
- 6. Multiple-connection terminal, eight standard connection. (many terminal to choose)
- $7. \ \mbox{The cam installs}$ by spline and spring. It can adjust quickly without tools.
- 8. Explosion proof: the body in accordance to Exd $\, {
 m II} \,$ CT6/BT6.

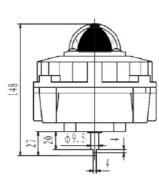


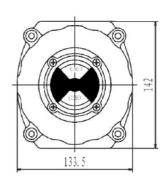


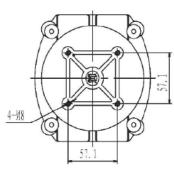
4-20mA Valve position transmitter selection picture











Selection Table

Optiona	Туре	Switch	Wiring Port	External Wiring Position	Indicator	NAMUR Bracket (Carbon Steel)
-l prefix	GKS-300	Mechanical (passive)	2-G1/2"	2External Wiring Position	1- Dome 90°indicator	MB3.2:30*80 H:20
-Double D	Achieved Approval	M2:2SPDT	2-1/2"NPT	4External Wiring Position	2- Flat 90°indicator	MB3.3:30*80(130)
Shaft	Exia II CT6	M3:3SPDT	2-M20*1.5	6External Wiring Position	3- Flat 30°indicator	H:20~30 H:50
-NAMUR	Exia II CT6	M4:4SPDT	2-3/4"NPT		4- Flat 45°indicator	
Shaft	IP67	M5:2DPDT			5- Flat 60°indicator	Stainless steel
-Polyester	ATEX	ML2:2SPDT-40°C	2-G3/4"		6- Flat 120°indicator	(SS304, SS316) to choose
Coating -Ni-p coating	IECEX	MG2:2SPDT	3 or 4port to choose		7- Three way valve "T" or "L"	
		Proximity Sensors(active)	Magnet sensors	Extend option	8- Reverse	
		PP:P&F(NAMUR) ExiaIICT6	QA:Magnet(2 or 3)	F:4~20mA	Red-open Yellow-close	
		PA:Proximity Sensors (2or3)	SPST or SPDT	Valve position feedback		

Additional technical issues, please consult the company.





The series of mechanical GKEP-400 positioner uses the advanced structure and the technology of the standard item plug. It's reliable, precisely, convenient, easy. The double acting and single acting of product, positive and negative effect is easily switch. It has the features such as lower air consumption, easy range adjustment, quick respond speed, feedback stem connect easily.



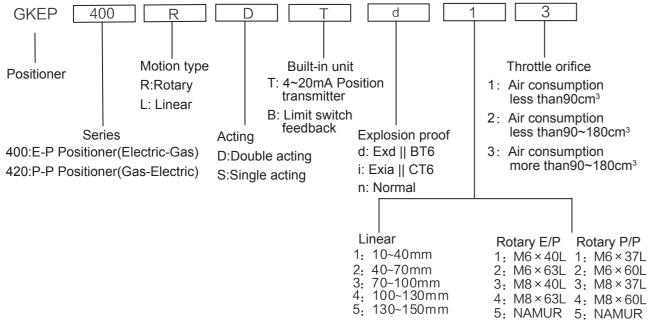
Characteristics :

- 1. 5 ~ 200Hz in the range of non-resonance phenomenon.
- 2. Do not have replacement parts can be achieved 1 / 2 points within the scope of process control
- 3. The zero adjustment and span adjustment is easily worked.
- 4. Forward and reverse, dual-role single-role and can be easily converted between.
- 5. Connecting with feedback stem is easy.
- 6. Response quickly and accurately.
- 7. Low air consumption, the economy is good.
- 8. For small executive body can reduce the positioning device to prevent shocks Orifice.





Selection Table



Additional switch options and technical issues, please consult the company.



Mechanical valve positioner

Technical parameters

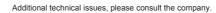
05.15	CVE	100	CKED 430
Style	GKEF	P-400	GKEP-420
Input single	4~20m	A DC	0.2~1kg/c m²(3~15psi)
Resistance	250±	15 Ω	
Input pressure	1.4~7kgf/cm ²	(2~100Psi)	1.4~7kgf/cm ² (2~100Psi)
Motion range	0~90 °R, 10	0~150mm(L)	0~90 °R, 10~150mm(L)
Air port	G1/4"	(NPT)	PT (NPT) 1/4"
Pressure gage port	ZG1/8"	(NPT)	PT (NPT) 1/8"
Power supply port	G1/	2"	
Explosion proof type	ExiaIICT6	ExdIIBT6	
IP Grade	IP	65	IP 65
Temperature	-20℃	C~70°C	-20°C~70°C
Basic error	±1%	±2%	±1.5%
Return error	1%	2%	1.5%
Dead time	0.4% 0.8%		0.4%
Material	Die-cast	Aluminum	Die-cast Aluminum
Weigh	2.8	Bkg	1.7kg

Position Transmitters

Input type	2Wire
	=
Input single	0° ~90 °
Output single	4~20mA DC
Resistance	0~600 Ω
Motion range	0~90 °R, 10~150mm(L)
Noise range	500mp.p
Adjustable range	Zero±10% Full 60~110%
IP Grade	IP 65
Linear error	±1%
Sensitivity	$\pm 0.2\%$
Return error	1%
Hysteresis	0.002
Supply voltage	15~30VDC
Explosion proof	Non-Explosion

Built-in switch feedback

Explosion proof	5A125-250VAC
Electric switch	10-30VDC, ≤150mA
Magnetic switch	5~240VAC/DC,≪300mA











Smart GK-2300 series positioner

Smart GK-2300 series positioner is two-wire system instrument. It's widely used for the auto-control system of oil, chemical, electric, metallurgy, light industry and so on as supporting control unit.

Smart GK-2300 series positioner receives the input signal of 4-20 ma delivered into controller, and it exchanges the signal to set valves of valve position by A/D exchange. It receives the actual the signal of valve position at the same time. The above two signal calculate and handle by control software, so it can drive the valve position to set point by controlling the intake and exhaust of phenematics actuator.

Smart GK-2300 series positioner is the high-performance electricity /gas positioner that is based on micro processing technology. It can well overcome the friction and unbalanced force and promote the response speed of adjustment, for positioning quickly and correctly. It not only can replace traditional electricity/gas valve positioner, but also switch directly in the HART internet for achieving the exchange of controlling system's information.

Feature:

- 1. High accuracy, up 0.5% F.S
- 2. The operation is without opening the body, a high level of protection can operate locally.
- 3. Explosion-proof, safe and reliable.
- Simple structure, small size, can install on a small actuator.
- 5. Auto-tuning, automatic diagnosis, the valve characteristic curve can configure by the settings.
- 6. Fewer mechanical parts, good resistance of resonance.
- 7. The parameter can set locally and remotely.
- 8. Low power consumption, low air consumption, low running costs.
- 9 two-wire 4 ~ 20mA standard signal.
- 10. Built-in lightning protection module, avoid the damage of lightning stroke.





Selection Table

		GK2300						
Model	Standard type	GK2300						
	Remote type	GK2500						
Acting type	Linear type		L					
	Rotary type		R					
Explosion proof	Non-explosion poof			N				
type	Ex ia IIC T5/T6			Α				
Connection	Conduit entry	Air cor	nection		_			
	G(PF)1/2	PT1/4			1			
	G(PF)1/2	NPT1/	4		2			
	NPT1/2	NPT1/	4		3			
	M20	NPT1/	4		4			
	M20	RC1/4			5			
Lever type	10~80mm					1		
(Linear)	70~150mm					2		
	Adapter type (70mm)					3		
Lever type	M6 x 34L (Fork lever type	e)				1		
(Rotary)	NAMUR					5		
Ambient Temp.	-30 ℃~85 ℃ (Standard typ	oe)					S	
·	-40 C ~85 C						L	
Communication	None							0
	Position transmitter (4~20	0mA DC feedback)						1
	HART communication							2
	HART and Position trans-	mitter (4~20mA DC fee	edback)					3
Limit switch	None							
(For GK2300)	Mechanical type (Dry con	ntact NO, NC, COM)						
	Proximity type (P+F NJ1,	5-F-N)						
	With Dome cover (Withou	ut Limit switch)						
Cable length	5m							
(For GK2500)	10m							
	User define (Less than 20	0 meters)						

Additional technical issues, please consult the company.

Smart valve positioner

Technical parameters

Model		GK2300L / GK2500L	GK2300R / GK2500R				
Input sign	al	4~20	mA DC				
Impedano	e	500Ω (2	0mA DC)				
Supply pr	essure	0.14~(0.7MPa				
Stroke		10~150mm 0~90°					
Air conne	ction	PT1/4,	NPT1/4				
Gauge co	nnection	PT1/8,	NPT1/8				
Conduit		G(PF)1/2, N	NPT1/2, M20				
Explosion	proof type		IIC T5/T6 Gb 00℃/85℃ Db IP6X				
Enclosure		IP66 (EN60529)					
Ambient	Acting Temp.	-30 °C ~ 85 °C (Standard type), -40 °C ~ 85 °C (Low temp type)					
Temp.	Explosion proof Temp.	-40 °C~60 °C (T5) / -40 °C~40 °C (T6)					
Linearity		±0.5% F.S.					
Sensitivity	/	±0.2	% F.S				
Hysteresis	S	±0.5	% F.S				
Repeatab	ility	±0.3	% F.S				
Air consu	mption	Below 2.3LPM	(Sup.=0.14MPa)				
Required	air quality	Class 3 (I	SO8573-1)				
Flow capa	acity	Over 100LPM (Sup.=0.14MPa)					
Material		Aluminum die cast					
Weight		2.2kg					

Option specifications

Option	Item	Specification							
HART	HART version	HART 7							
Position transmitter	Wire connection type	2 Wires							
Position transmitter	Supply voltage	10~30V DC							
Limit quitab	Mechanical type	AC125V, 3A, DC30V, 2A							
Limit switch	Proximity type	DC8.2V 8.2A							