



CONDICIONES DE TRABAJO

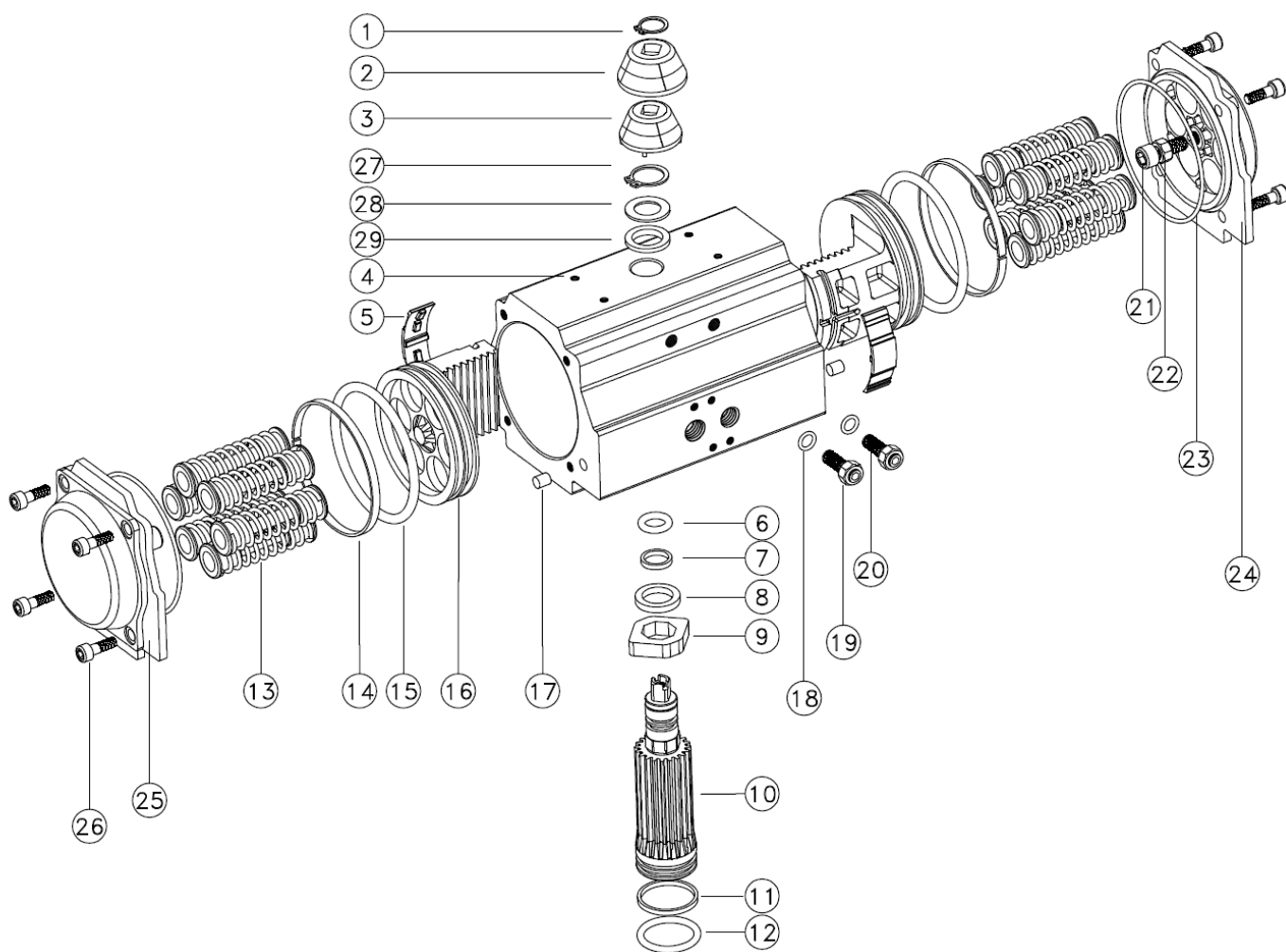
- 1. Fluidos de accionamiento**
Aire seco o lubricado, gases no corrosivos.
- 2. Presión de suministro de aire**
2 ~ 8 Bar
- 3. Temperatura de funcionamiento**
Standard: de -20°C +80°C
- 4. Recorrido del ajuste**
Tiene un rango de ajuste de $\pm 5^\circ$ para la rotación en 90°
- 5. Lubricación**
No necesita lubricante en condiciones normales de trabajo

OPERATING CONDITIONS

- 1. Operating media**
Dry or lubricated air, non-corrosive gases.
- 2. Air supply pressure**
2 ~ 8 bar
- 3. Operating temperature**
Standard: -20°C+80°C
- 4. Travel adjustment**
Have adjustment range of $\pm 5^\circ$ for the rotation at 90°
- 5. Lubrication**
Under normal operating conditions, no lubricant is needed.

DESPIECE DE RECAMBIOS

ASSEMBLE AND PARTS



Nº	Denominación / Name	Material	Cód. Recambio / Spare Part Code
1	Anillo Seeger / <i>Spring clip</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	-----
2	Carcasa indicador / <i>Housing indicator</i>	PC+ABS	-----
3	Indicador / <i>Indicator</i>	PC+ABS	-----
4	Cuerpo / <i>Body</i>	Al 6005-T5	-----
5*	Guía Pistón / <i>Guide piston</i>	Tecno – polímero / <i>Techno - polymer</i>	KGNP
6*	O-ring superior / <i>O-ring (pinion top)</i>	NBR	KGNP
7*	Anillo superior / <i>Washer (pinion top)</i>	Tecno – polímero / <i>Techno - polymer</i>	KGNP
8*	Separador / <i>Bearing (pinion top)</i>	Tecno – polímero / <i>Techno - polymer</i>	KGNP
9	Leva / <i>Cam</i>	Al. Acero	-----
10	Piñón / <i>Pinion</i>	Al. Acero	-----
11*	Anillo inferior / <i>Bearing (pinion bottom)</i>	Tecno – polímero / <i>Techno - polymer</i>	KGNP
12*	O-ring inferior / <i>O-ring (pinion bottom)</i>	NBR	KGNP
13*	Muelle / <i>Spring</i>	AISI 301	C5800
14*	Anillo piston / <i>Ring (Piston)</i>	Tecno – polímero / <i>Techno – polymer</i>	KGNP
15*	O-ring piston / <i>O-ring (Piston)</i>	NBR	KGNP
16*	Pistón / <i>Piston</i>	Al. A380.1	EMB
17*	Tapón / <i>Plug</i>	NBR	KGNP
18*	O-ring / <i>O-ring</i>	NBR	KGNP
19	Tuerca / <i>Adjust Nut</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	-----
20	Prisionero / <i>Adjust screw</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	-----
21	Tornillo tope / <i>Stop screw</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	-----
22	Tuerca tope / <i>Nut (stop screw)</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	-----
23*	O-ring tapa / <i>O-ring (End cap)</i>	NBR	KGNP
24	Tapa derecha / <i>End cap right</i>	Al. A380.1	-----
25	Tapa izquierda / <i>End cap left</i>	Al. A380.1	-----
26	Tornillo tapa / <i>Cap screw</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	-----
27*	Anillo Seeger / <i>Spring clip</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	KGNP
28*	Arandela / <i>Washer</i>	Acero Inox. / <i>Stainless steel AISI 304</i>	KGNP
29*	Separador / <i>Ring</i>	Tecno – polímero / <i>Techno - polymer</i>	KGNP

*** Piezas de recambio disponibles / Available spare parts**

DIMENSIONES

DIMENSIONS

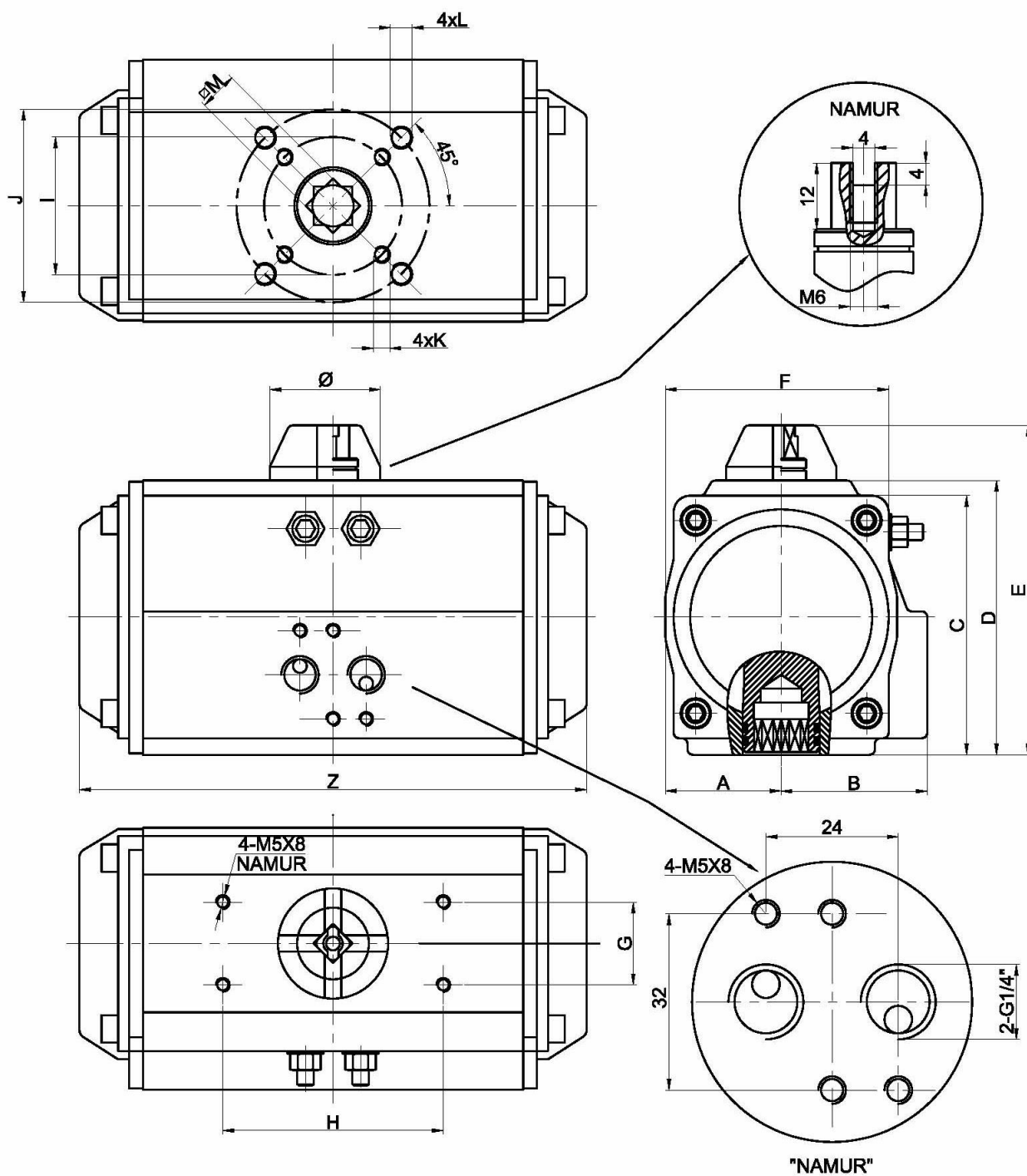


TABLA DE DIMENSIONES

DIMENSIONS TABLE

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Z	Ø
GNP14	28.5	36.5	60	-	90	52	30	80	F03*	F04*	M5x8	M5x8	11	14	122	Φ 55
GNP24	30	41.5	65.5	72	102	65	30	80	F03*	F04*	M5x8	M5x8	11	14	147	Φ 55
GNP44	36	47	81	87.5	117.5	72	30	80	F04*	F05/F07*	M5x8	M6x10 M8x10	14	18	168	Φ 55
GNP60	42	53	94	99.5	129.5	81	30	80	F05	F07	M6x10	M8x10	14	18	184	Φ 55
GNP94	46	57	98.5	108.7	138.7	92	30	80	F05	F07	M6x10	M8x10	17	21	204	Φ 55
GNP135	50	58.5	111	116.8	146.8	98	30	80	F05	F07	M6x10	M8x10	17	21	262	Φ 55
GNP198	57.5	64	122.5	133	163	109.5	30	80	F07	F10	M8x13	M10x16	22	26	268	Φ 55
GNP300	67.5	74.5	145.5	155	185	127.5	30	80	F07	F10	M8x13	M10x16	22	26	296	Φ 80
GNP513	75	77	160.7	171.5	201.5	137.5	30	80	F10	F12	M10x16	M12x20	27	31	390	Φ 80
GNP800	87	87	184	197	227	158	30	80	F10	F12	M10x16	M12x20	27	31	454	Φ 80
GNP1280	103	103	216	230	270	189	30	80/130	F10/F12*	F14*	M10x16 M12x20	M16x25	36	40	525	Φ 80
GNP1600	113	113	235.5	255	295	210	30	80/130	---	F14	---	M16x25	36	40	532	Φ 91
GNP2300	130	130	264	288	328	245	30	80/130	---	F14	---	M16x25	46	50	610	Φ 91
GNP2500	147	147	299	326	366	273	30	80/130	---	F16	---	M20x25	46	50	722	Φ 91
GNP3000	203	203	324	348	378	290	30	130	F16	F20	M20x25	M20x25	46	60	758	Φ 91
GNP3500	230	230	379	408	438	336	30	130	F16	F25	M20x25	M16x25	46	60	888	Φ 91

(*) debe elegirse una de las dos opciones / *must choose one of two options*

CONSUMO DE AIRE

AIR CONSUMPTION

Model	Volume opening	Volume closing	Model	Volume opening	Volume closing
GNP 14	0.08	0.11	GNP 513	2.5	2.2
GNP 24	0.12	0.16	GNP 800	3.7	3.2
GNP 44	0.21	0.23	GNP 1280	5.9	5.4
GNP 60	0.30	0.34	GNP 1600	7.5	7.5
GNP 94	0.43	0.47	GNP 2300	11.0	9.0
GNP 135	0.64	0.73	GNP 2500	17.0	14.0
GNP 198	0.95	0.88	GNP 3000	24	30
GNP 300	1.60	1.40	GNP 3500	35	46

El aire consumido depende de la presión, del volumen y de la cantidad de ciclos. Se calcula como sigue:

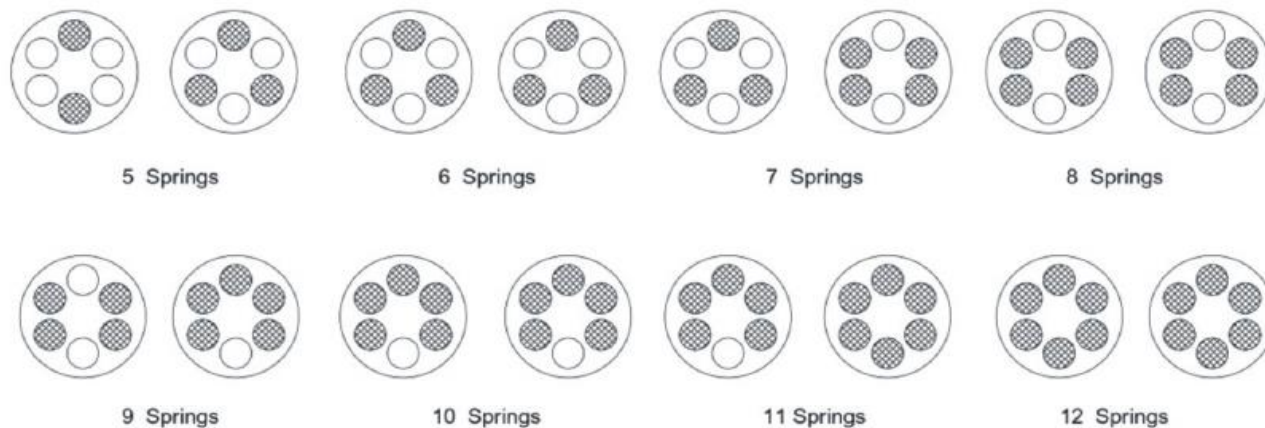
$I/min = \text{Volumen de aire (Volumen de aire Abriendo + Volumen de aire Cerrando)} \times [(\text{Presión de aire alimentación (Kpa)} + 101.3) / 101.3] \times \text{Ciclos por minuto (I/min)}$

Air consumption depends on Air Supply. Air volume and Action cycle times, the calculating as follows

$I/min = \text{Air volume (Air volume Opening + Air volume closing)} \times [(\text{Air Supply (Kpa)} + 101.3) / 101.3] \times \text{Cycles per minute (I/min)}$

**PARES ACTUADORES DOBLE EFECTO (Nm) / DOUBLE ACTING ACTUATORS
TORQUES (Nm)**

Modelo / Model	Presión alimentación de aire / Air supply pressure (Unit Bar)									
	2	2.5	3	4	4.5	5	5.5	6	7	8
GNP 14	4.8	6.0	7.2	9.5	10.7	11.9	13.1	14.3	16.7	19.1
GNP 24	8.0	10.0	12.0	16.0	18.0	20.0	21.9	23.9	27.9	31.9
GNP 44	14.6	18.2	21.9	29.2	32.8	36.5	40.1	43.8	51.1	58.4
GNP 60	20.1	25.1	30.1	40.1	45.1	50.2	55.2	60.2	70.2	80.3
GNP 94	31.4	39.2	47.0	62.7	70.5	78.4	86.2	94.1	109.7	125.4
GNP 135	45.1	56.4	67.7	90.3	101.6	112.9	124.1	135.4	158.0	180.6
GNP 198	66.1	82.7	99.2	132.2	148.8	165.3	181.8	198.4	231.4	264.5
GNP 300	100.3	125.4	150.5	200.6	225.7	250.8	275.9	301.0	351.1	401.3
GNP 513	171.0	213.8	256.5	342.0	384.8	427.5	470.3	513.0	598.5	684.0
GNP 800	266.0	332.5	399.0	532.0	598.5	665.0	731.5	798.0	931.0	1064.0
GNP 1280	425.6	532.0	638.4	851.2	957.6	1064.0	1170.4	1276.8	1489.6	1702.4
GNP 1600	532.0	665.0	798.0	1064.0	1197.0	1330.0	1463.0	1596.0	1862.0	2128.0
GNP 2300	769.5	961.9	1154.3	1539.0	1731.4	1923.8	2116.1	2308.5	2693.3	3078.0
GNP 2500	1169.6	1462.1	1754.5	2339.3	2631.7	2924.1	3216.5	3508.9	4093.7	4678.6
GNP 3000	1526.0	1908.0	2671.0	3052.0	3434.0	3815.0	4197.0	4578.0	5341.0	6104.0
GNP 3500	2285.0	2856.0	3999.0	4570.0	5141.0	5712.0	6283.0	6854.0	7997.0	9139.0



PARES ACTUADORES SIMPLE EFECTO (Nm) / SPRING RETURN ACTUATORS TORQUES (Nm)

TIPO / TYPE	Cantidad de muelles /Spring Qty	PRESIÓN DE AIRE DE ENTRADA EN BAR / AIR SUPPLY IN BAR														Obtenido por muelle / Spring output	
		2,5		3		4		5		6		7		8			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
GNP 24S	3 + 2	5.7	3.8	7.6	5.7											6.2	4.3
	3 + 3	4.9	2.5	6.9	4.5	10.9	8.5									7.4	5.0
	4 + 3	4.0	1.3	6.0	3.3	9.8	7.3	14.0	10.4							8.6	5.9
	4 + 4			5.2	2.0	9.2	6.0	13.2	9.1	17.2	14.1					9.9	6.7
	5 + 4			4.3	0.8	8.3	4.8	12.3	7.9	16.3	12.8	20.3	16.8			11.1	7.6
	5 + 5					7.4	3.6	11.5	6.7	15.5	11.6	19.5	15.6			12.4	8.5
	6 + 5					6.6	2.3	10.6	5.4	14.6	10.4	18.6	14.3	22.6	18.3	13.6	9.3
6 + 6							9.7	4.2	13.8	9.1	17.8	12.2	21.8	17.1	14.8	10.2	
GNP 44S	3 + 2	11.4	7.7	15.0	11.4	22.3	14.9									10.4	6.8
	3 + 3	10.1	5.7	13.6	9.3	20.9	16.6	28.3	23.9							12.5	8.2
	4 + 3	8.6	3.6	12.5	7.2	19.5	14.5	26.8	21.9							14.6	9.6
	4 + 4			10.9	5.1	18.2	12.4	25.5	19.8	32.8	27.0	40.1	34.3			16.7	10.9
	5 + 4					16.8	10.4	24.1	17.7	31.4	24.9	38.7	32.3			18.8	12.3
	5 + 5					1.4	8.2	22.8	15.6	30.0	22.8	37.3	30.1	44.7	37.4	20.9	13.7
	6 + 5							21.5	13.5	28.7	20.7	36.0	28.0	43.3	35.3	22.9	15.0
6 + 6							20.0	11.4	27.3	18.6	34.6	25.9	41.9	33.3	25.0	16.4	
GNP 60S	3 + 2	14.5	10.6	19.4	15.5	29.5	25.7									14.5	10.5
	3 + 3	12.4	7.6	17.3	12.6	27.4	22.7	37.5	32.8							17.4	12.7
	4 + 3	10.4	4.8	15.2	9.7	25.3	19.6	35.4	29.9							20.3	14.8
	4 + 4			13.1	6.8	23.1	16.9	33.3	27.0	43.2	37.0	53.3	47.0			23.2	16.9
	5 + 4					21.0	14.1	31.2	24.1	41.1	34.1	51.2	44.2			26.1	19.0
	5 + 5					19.0	11.1	28.8	21.2	39.0	31.2	49.1	41.2	59.1	51.2	29.0	21.1
	6 + 5							27.0	8.3	37.0	28.3	47.0	38.4	57.0	48.4	31.9	23.2
6 + 6							24.9	15.4	34.9	25.4	44.9	35.4	54.9	45.4	34.7	25.3	
GNP 94S	3 + 2	23.3	16.1	31.1	24.0	46.8	39.7									23.0	15.8
	3 + 3	20.1	11.5	28.0	19.3	43.7	35.1	59.4	50.7							27.6	19.0
	4 + 3	17.0	6.9	24.8	14.8	40.5	30.5	56.2	46.2							32.2	22.1
	4 + 4			21.7	10.1	37.4	25.8	53.1	41.5	68.8	57.2	84.5	72.9			36.8	25.3
	5 + 4					34.2	21.3	49.9	37.0	65.6	52.6	81.2	68.3			41.4	28.5
	5 + 5					31.0	16.6	46.7	32.3	62.4	48.0	78.1	63.7	93.8	79.3	46.0	31.6
	6 + 5							43.6	27.7	59.3	43.4	75.0	59.1	90.6	74.8	50.6	34.8
6 + 6							40.4	23.2	56.1	38.9	71.7	54.5	87.4	70.2	55.2	38.0	

TIPO / TYPE	Cantidad de muelles / Spring Qty	PRESIÓN DE AIRE DE ENTRADA EN BAR / AIR SUPPLY IN BAR																Obtenido por muelle / Spring output	
		2,5		3		4		5		6		7		8				90°	0°
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°				
GNP 135S	3 + 2	33.1	22.0	44.2	33.2	66.8	55.9											34.4	23.3
	3 + 3	28.4	15.2	39.6	26.4	62.2	49.0	84.4	71.6									41.2	28.0
	4 + 3	23.8	8.2	34.9	19.4	57.5	42.1	80.2	64.7									48.1	32.7
	4 + 4			31.3	12.6	52.9	35.2	75.5	57.9	98.1	80.5	120.7	103.0					55.0	37.3
	5 + 4					48.2	28.4	70.9	51.0	93.5	73.6	116.0	96.1					61.9	42.0
	5 + 5					43.6	21.5	66.2	44.1	88.8	66.7	111.3	89.2	134.0	111.8			68.7	46.7
	6 + 5							61.5	37.2	84.1	59.9	106.6	82.4	129.2	105.0			75.6	51.4
	6 + 6							56.8	30.4	79.4	53.0	101.9	75.5	124.5	98.1			82.5	56.0
GNP 198S	3 + 2	51.0	33.4	67.5	49.9	100.6	83.0											49.2	31.6
	3 + 3	44.7	23.5	61.1	40.0	94.2	73.2	127.3	106.2									59.1	38.0
	4 + 3	38.4	13.7	54.9	30.3	87.9	63.4	121.0	96.4									68.9	44.3
	4 + 4			48.5	20.4	81.6	53.5	114.7	86.5	147.7	119.6	180.8	152.7					78.7	50.6
	5 + 4					75.3	43.7	108.4	76.8	141.5	109.8	174.5	142.9					88.6	56.9
	5 + 5					68.9	33.4	102.0	66.5	136.1	99.6	168.2	132.6	201.2	165.7			98.4	63.3
	6 + 5							95.7	57.0	128.7	90.1	161.8	123.1	194.8	156.2			108.3	69.6
	6 + 6							89.4	47.5	122.5	80.6	155.5	113.6	188.6	146.7			118.1	75.9
GNP 300S	3 + 2	73	47	98	72	148	122											79	52
	3 + 3	63	31	88	56	138	107	188	157									94	63
	4 + 3	52	15	77	40	127	90	178	141									110	73
	4 + 4			67	25	117	75	167	125	217	176	268	226					125	84
	5 + 4					107	59	157	109	207	159	257	210					141	94
	5 + 5					96	44	146	94	196	144	247	194	297	245			157	105
	6 + 5							136	78	186	128	236	178	286	228			173	115
	6 + 6							125	63	176	113	226	163	276	213			188	125
GNP 513S	3 + 2	128	85	171	127	256	213											129	86
	3 + 3	111	59	154	102	239	187	325	273									155	103
	4 + 3	94	33	137	76	222	162	308	247									181	120
	4 + 4			120	50	205	136	291	221	376	307	462	392					206	137
	5 + 4					187	110	273	196	358	281	444	367					232	155
	5 + 5					170	84	256	169	341	255	427	340	512	426			258	172
	6 + 5							238	143	324	229	409	314	495	400			284	189
	6 + 6							221	118	307	203	392	289	478	374			310	206
GNP 800S	3 + 2	193	124	259	191	392	324											208	140
	3 + 3	165	83	232	149	365	282	498	415									250	168
	4 + 3	137	41	203	107	336	240	469	373									292	196
	4 + 4			176	66	309	199	442	237	575	465	708	598					333	223
	5 + 4					280	157	413	290	546	423	679	556					375	251
	5 + 5					253	115	386	248	519	381	652	514	785	647			417	279
	6 + 5							358	207	491	340	624	473	757	606			458	307
	6 + 6							330	165	463	298	596	431	729	564			500	335
GNP 1280S	3 + 2	332	222	438	329	651	542											309	200
	3 + 3	292	161	398	267	611	480	824	693									371	240
	4 + 3	252	99	358	205	571	418	784	631									433	280
	4 + 4			318	143	531	356	744	569	957	782	1169	995					495	320
	5 + 4					491	295	704	507	917	720	1130	933					557	360
	5 + 5					451	233	664	446	877	658	1090	871	1302	1084			618	400
	6 + 5							624	384	837	597	1050	809	1263	1022			680	440
	6 + 6							584	322	797	535	1010	748	1223	960			742	480
GNP 1600S	3 + 2	390	285	52	418	789	684											380	275
	3 + 3	335	209	468	342	734	608	1000	874									456	330
	4 + 3	280	133	413	266	679	532	945	798									532	385
	4 + 4			358	190	624	456	890	722	1156	988	1422	1254					608	440
	5 + 4					569	380	835	646	1101	912	1367	1178					684	495
	5 + 5					514	304	780	570	1046	836	1312	1102	1578	1368			760	550
	6 + 5							725	494	991	760	1257	1026	1523	1292			836	605
	6 + 6							670	418	936	684	1202	950	1468	1216			912	660
GNP 2300S	3 + 2	552	409	744	600	1129	985											554	410
	3 + 3	470	297	662	489	1047	874	1432	1259									665	492
	4 + 3	388	187	580	379	964	764	1349	1149									775	575
	4 + 4			498	268	883	653	1267	1037	1652	1422	2037	1807					886	656
	5 + 4					800	542	1185	926	1569	1311	1954	1696					998	739
	5 + 5					718	431	1103	816	1488	1201	1872	1586	2257	1970			1108	821
	6 + 5							1021	705	1408	1090	1791	1474	2176	1859			1219	903
	6 + 6							939	594	1323	979	1708	1363	2093	1748			1330	985

TIPO / TYPE	Cantidad de muelles /Spring Qty	PRESIÓN DE AIRE DE ENTRADA EN BAR / AIR SUPPLY IN BAR														Obtenido por muelle / Spring output	
		2,5		3		4		5		6		7		8			
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
GNP 2500S	3 + 2	903	675	1195	968	1779	1552									787	560
	3 + 3	790	519	1083	811	1667	1396	2252	1981							943	672
	4 + 3	679	361	972	654	1556	1238	2141	1823							1101	783
	4 + 4			860	497	1444	1081	2029	1666	2614	2252	3199	2836			1258	895
	5 + 4					1332	923	1917	1509	2502	2094	3087	2678			1416	1007
	5 + 5					1220	767	1806	1352	2390	1937	2974	2521	3560	3107	1572	1119
	6 + 5							1693	1194	2278	1779	2862	2364	3448	2949	1730	1231
	6 + 6							1582	1037	2167	1623	2751	2207	3336	2792	1887	1342
GNP 3000S	3 + 2	1097	729													1061	730
	3 + 3	935	494	1316	875											1273	876
	4 + 3	772	258	1153	639	1916	1402									1485	1022
	4 + 4			991	403	1754	1166	2517	1929							1697	1168
	5 + 4					1592	930	2355	1693	3118	2456					1909	1314
	5 + 5					1430	695	2193	1458	2956	2221	3719	2984	4482	3747	2122	1460
	6 + 5							2030	1222	2793	1985	3556	2748	4319	3511	2334	1606
	6 + 6							1868	986	2631	1749	3394	2512	4157	3275	2546	1752
GNP 3500S	3 + 2	1553	964													1702	1173
	3 + 3	1292	586	1863	1157											2043	1408
	4 + 3	1031	208	1602	779	2745	1922									2383	1640
	4 + 4			1341	401	2484	1544	3626	2686							2724	1877
	5 + 4					2224	1165	3366	2307	4508	3449					3064	2112
	5 + 5					1963	787	3105	1929	4247	3071	5390	4214	6532	5356	3405	2346
	6 + 5							2844	1551	3986	2693	5129	3836	6271	4978	3745	2581
	6 + 6							2584	1172	3726	2314	4869	3457	6011	4599	4086	2816

ARTICULO: 2015

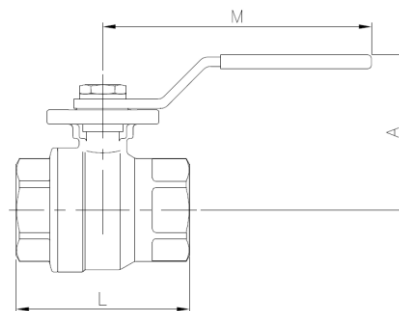
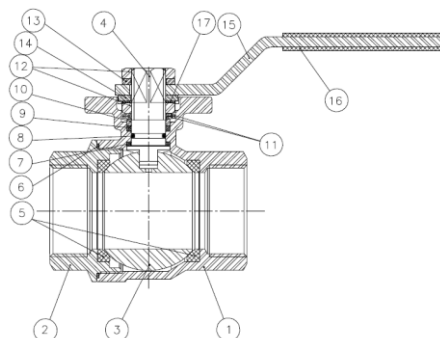
Válvula de esfera paso total 2 piezas Inoxidable Stainless steel full port ball valve, 2 pieces

Características

1. Válvula esfera paso total 2 piezas.
2. Extremos roscados según ISO 7-1 (EN 10226-1).
3. Construcción en acero inox. 1.4408 (CF8M).
4. Asientos PTFE + 15 % Fibra de Vidrio.
(otro material consultar)
5. Tórica en el eje de FPM (Viton).
6. Juntas del eje PTFE + 15 % Grafito.
7. Sistema de bloqueo.
8. Montaje actuador directo s/ ISO 5211.
9. Eje inexpulsable.
10. Presión de trabajo máxima 63 bar.
11. Temperatura de trabajo -25 °C + 180 °C.

Features

1. Stainless steel full port ball valve, 2 pieces.
2. Thread ends according to ISO 7-1 (EN 10226-1).
3. Made of stainless steel 1.4408 (CF8M).
4. Ball seats PTFE + 15 % G.F.
(please ask for other materials)
5. O'ring in the stem FPM (Viton).
6. Stem gasket PTFE + 15 % Graphite.
7. Locking system.
8. Direct mounting actuator ISO 5211.
9. Blow-out proof stem.
10. Max. Working pressure 63 bar.
11. Working Temperature -25 °C + 180 °C.



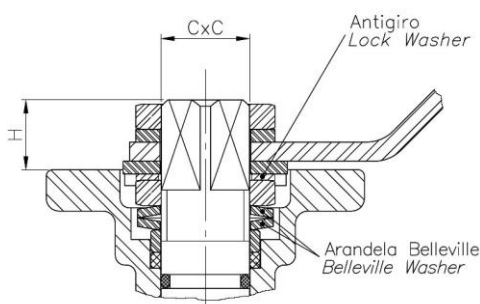
Nº	Denominación / Name	Material	Acabado Superficial / Surface Treatment	Cód. Recambio Spare Part Code
1	Cuerpo / Body	Acero Inox. / Stainless Steel 1.4408	Granallado / Shot blasting	-----
2	Tapa / Cap	Acero Inox. / Stainless Steel 1.4408	Granallado / Shot blasting	-----
3*	Bola / Ball	Acero Inox. / Stainless Steel 1.4408	Pulido / Polishing	2907
4*	Eje / Stem	Acero Inox. / Stainless Steel AISI 316	-----	2905
5*	Asiento / Ball Seat	PTFE + 15% FV / GF	-----	2822
6*	Junta / Gasket	PTFE + 15% FV / GF	-----	2822
7*	Arandela / Thrust Washer	PTFE + Grafito / Graphite	-----	2822
8*	Tórica / O'ring	FPM	-----	2822
9*	Empaquetadura / Stem Packing	PTFE	-----	2822
10	Anillo Prensa / Gland	Acero Inox. / Stainless Steel AISI 304	-----	-----
11	Arandela Muelle / Spring Washer	Acero Inox. / Stainless Steel AISI 301	-----	-----
12	Tuerca / Nut	Acero Inox. / Stainless Steel AISI 304	-----	-----
13	Arandela / Washer	Acero Inox. / Stainless Steel AISI 304	-----	-----
14	Tope / Stopper	Acero Inox. / Stainless Steel AISI 304	-----	-----
15	Maneta / Handle	Acero Inox. / Stainless Steel AISI 304	-----	-----
16	Funda / Handle Sleeve	Vinilo / Vynil	-----	-----
17	Antigiro / Lock Washer	Acero Inox. / Stainless Steel AISI 304	-----	-----

* Piezas de recambio disponibles / Available spare parts

DIMENSIONES GENERALES / GENERAL DIMENSIONS

Ref	Medida / Size	PN	Dimensiones / Dimensions (mm)						Peso / Weight (Kg)
			A	CxC	H	L	M	ISO 5211	
2015 02	1/4"	63	62	9	10	50	112	F-03	0,300
2015 03	3/8"	63	62	9	10	50	112	F-03	0,300
2015 04	1/2"	63	63	9	11	55	112	F-03/F-04	0,350
2015 05	3/4"	63	70	11	11	70.5	138	F-04/F-05	0,560
2015 06	1"	63	70	11	11	83	138	F-04/F-05	0,780
2015 07	1 1/4"	63	88	14	15	91	160	F-05/F-07	1,350
2015 08	1 1/2"	63	94	14	15	103	205	F-05/F-07	1,900
2015 09	2"	63	100	14	15	120	205	F-05/F-07	2,830

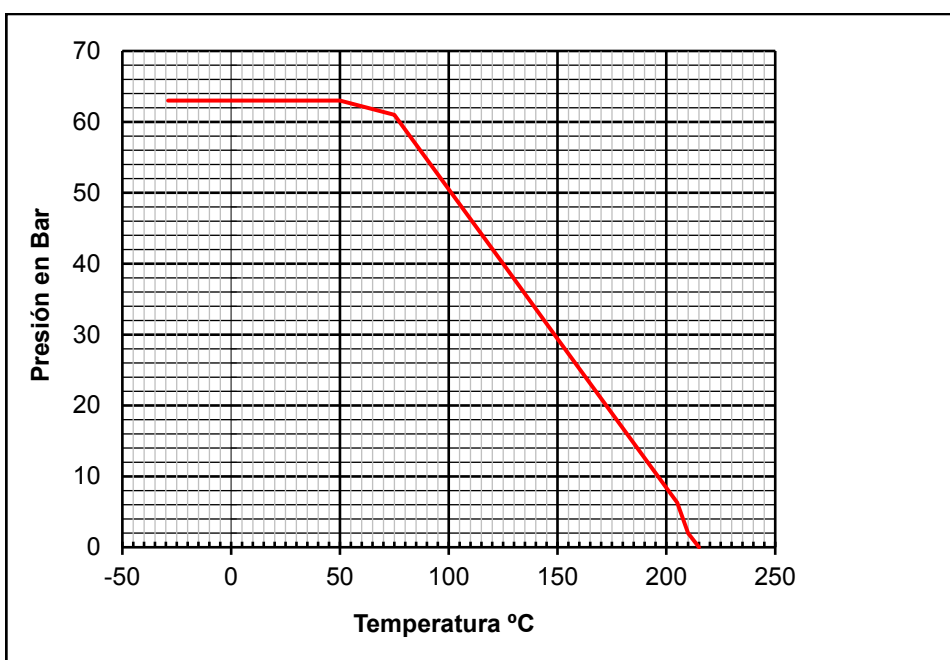
Detalle de la zona de Eje / Stem detail



Antigiro / Lock Washer: Previene el desajuste de la tuerca del eje en elevados ciclos de maniobra / Prevents unthreading of stem nut in high cycle automation applications.

Arandela Belleville / Belleville Washer: Las arandelas belleville proporcionan una carga constante sobre el prensa asegurando un cierre firme en variaciones de condiciones de trabajo. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying service parameters.

CURVA PRESION TEMPERATURA / PRESSURE TEMPERATURE RATING



VALORES DE Kv / Kv VALUES

Kv = Es la cantidad de metros cúbicos por hora que pasará a través de la válvula generando una pérdida de carga de 1 bar.

Kv = Flow rate of water in cubic meter per hour that will generate a pressure drop of 1 bar across the valve.

1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
6	10	24	43	83	130	205	340

