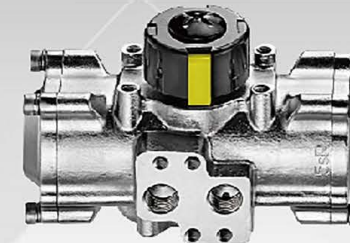
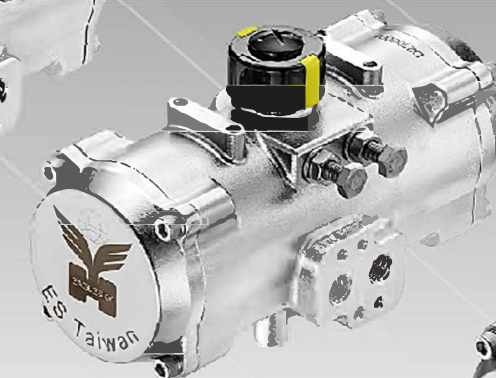
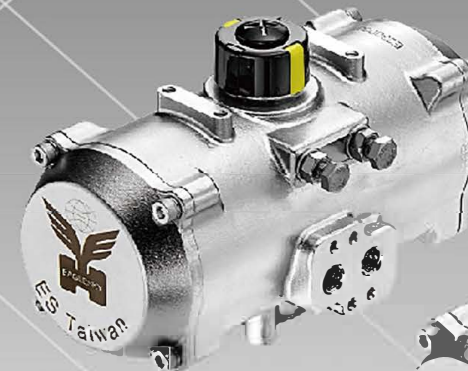




Eaglesky 氣缸

不鏽鋼
鋁合金
執行器



沅鴻貿易有限公司
EAGLESKY CO., LTD.

3F, No.50-2, Ln. 320, Sec. 1, Shatian Rd., Dadu Dist., Taichung City 432, Taiwan(R.O.C.)

TEL:886-4-2693-3688/2693-3690 FAX: 886-4-2693-3696 Email: eaglesky@hibox.hinet.net

www.eaglesky1286.com 地址: 台中市大肚區沙田路一段320巷50-2號3F

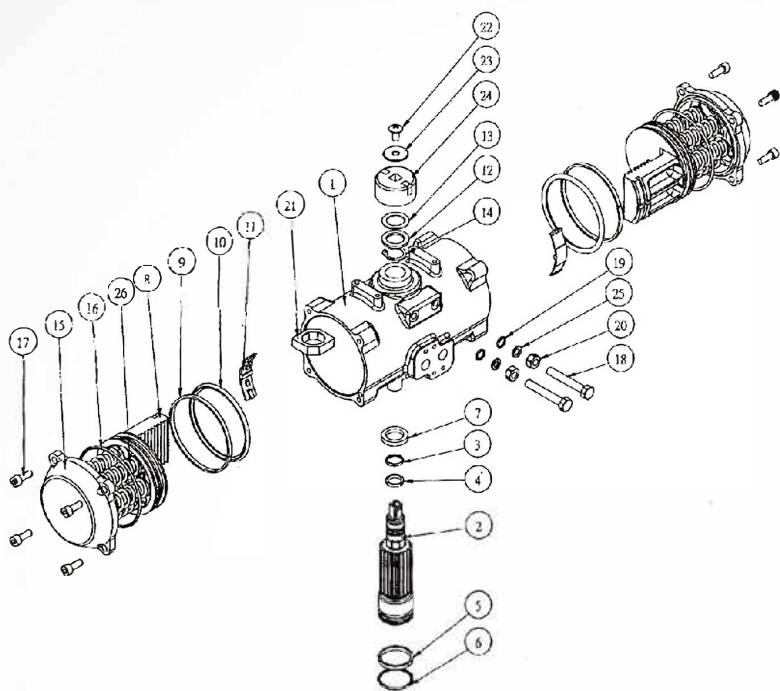




Memo



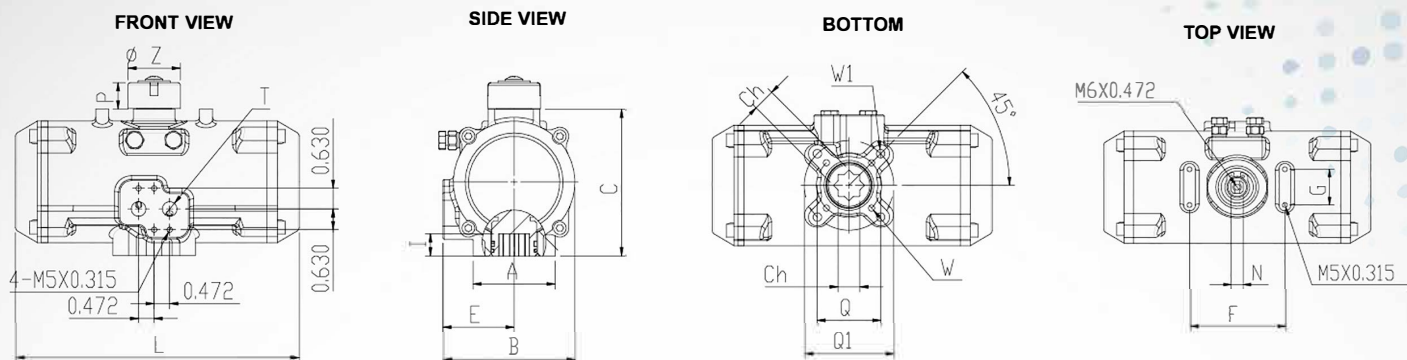
不鏽鋼氣缸



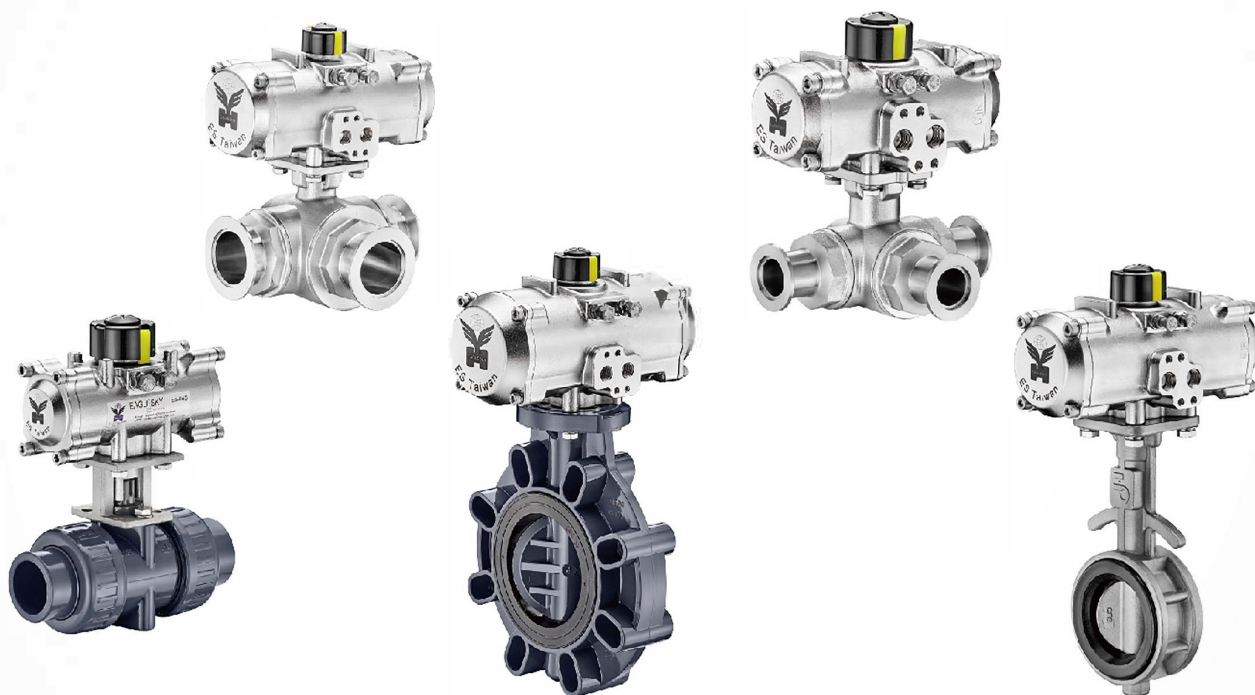
- 一、產品特色：一體現代美學設計，全系列產品符合最新國際規範ISO5211，互換性良好，且符合NUMAR標準，安裝週邊配件方便簡單。
- 二、不鏽鋼鑄造成型的本體，缸體經電鍍處理，可在酸鹼環境使用，壽命長且重量適中。
- 三、雙活塞齒排結構設計，輸出行程穩定，輸出扭力大。
- 四、缸體具有獨立角度行程調節螺絲，可在0°和90°度間有±15°的調節範圍，確保驅動器與閥門同步的精準度。
- 五、產品有單作動及雙作動設計，一致化的產品標準可通過拆裝彈簧進行功能轉換。
- 六、全系列不鏽氣缸可做拋光處理或EPOXY一道塗層處理，更能在無菌或潮溼環境中使用(選購)。

項次編號	零件名稱	材質	數量
1	本體	CF8/CF8M	1
2	中軸	SUS304/SUS306	1
3	O-Ring(中軸上)	HNBR/NBR/EPDM	1
4	上軸護套	POM	1
5	下軸護套	POM	1
6	O-Ring(中軸下)	HNBR/NBR/EPDM	1
7	內墊片	POM	1
8	齒排	ADC12	2
9	齒排護理	POM	2
10	O-Ring(齒排)	HNBR/NBR/EPDM	2
11	耐磨片	POM	2
12	外墊片	POM	1
13	本體上方華司	SUS304/SUS306	1

項次編號	零件名稱	材質	數量
14	C型扣	301	1
15	側蓋	SUS304/SUS306	2
16	O-Ring(側蓋)	HNBR/NBR/EPDM	2
17	內六角頭螺絲	SUS304/SUS306	8
18	擋片螺絲	SUS304/SUS306	2
19	O-Ring(檔片螺絲)	HNBR/NBE/EPDM	2
20	螺帽	SUS304/SUS306	2
21	檔片	SUS304/HSUS306	1
22	圓頭十字螺絲	SUS304/SUS306	1
23	平華司	SUS304/SUS306	1
24	位置指示器	PA66	1
25	平華司	SUS304/SUS306	2
26	彈簧	Spring steel	12



MODEL	A	B	C	L	E	F	G	P	ØZ	N	I	FLANGE	Q	Q1	W	W1	Ch	T
ES-04S	44.8	59.6	62.5	132	35	50	30	20	40	10	14	F03/F05	36	50	M5X7	M6X10	11X11	G1/4"
ES-05S	47.4	70	68.6	151	40	80	30	20	40	10	13	F03/F05	36	50	M5X10	M6X12	11X11	G1/4"
ES-06S	63.5	82.8	88.7	185	46	80	30	20	40	10	16.5	F05/F07	50	70	M6X12	M8X15	14X14	G1/4"
ES-07S	63.5	92.5	99.5	207	54	80	30	20	40	14	17.5	F05/F07	50	70	M6X10	M8X13	14X14	G1/4"
ES-08S	63.5	102	111	211	55	80	30	20	40	14	20	F05/F07	50	70	M6X10	M8X13	17X17	G1/4"



力矩-雙作用執行氣

扭力單位:Nm

型號	2.5bar	3bar	3.5bar	4bar	4.5bar	5bar	5.5bar	6bar	7bar	8bar	Net Weight Kgs
ES- 04S	6	7	9	10	11	12	14	15	18	20	1.5
ES- 05S	9	11	13	15	17	19	21	3	27	31	2.0
ES- 06S	18	22	26	30	34	38	42	46	54	62	3.0
ES- 07S	28	35	41	47	53	59	65	72	84	96	4.0
ES- 08S	42	51	60	69	78	87	96	105	123	141	4.5

力矩-單作用執行氣

扭力單位:Nm

Spring se	S05		S06		S07		S08		S09		S10		S11		S12		Net Weight Kgs
Actuator Model	90° Satrt	0° End	90° Satrt	0° End	90° Satrt	0° End	90° Satrt	0° End	90° Satrt	0° End	90° Satrt	0° End	90° Satrt	0° End	90° Satrt	0° End	
ES- 05S	4.9	3.4	5.8	4.0	6.8	4.7	7.8	5.4	8.8	6.1	9.7	6.7	10.7	7.4	11.7	8.1	2.12
ES- 06S	8.4	5.5	10.1	6.7	11.8	7.8	13.5	8.9	15.2	10.0	16.9	11.1	18.6	12.2	20.2	13.3	3.24
ES- 07S	17.3	11.1	20.8	13.3	24.2	15.5	27.7	17.7	31.2	19.9	34.6	22.1	38.1	24.3	41.5	26.5	4.46
ES- 08S	28.9	18.3	34.7	22.0	40.4	25.7	46.2	29.3	52.0	33.0	57.8	36.7	63.5	40.3	69.3	44.0	4.95

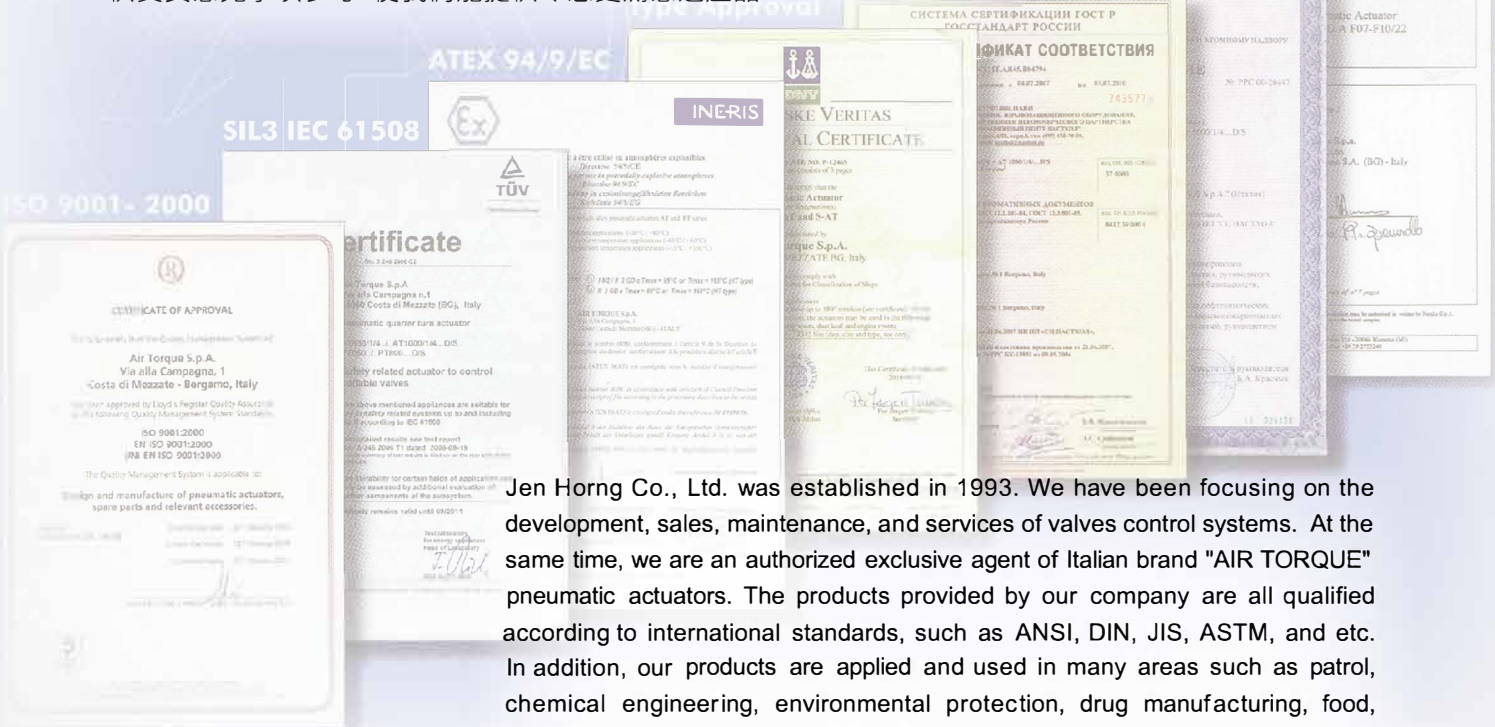
Quality First Honor First

Company Profile / 公司簡介

聚泓企業股份有限公司成立於1993年，是一家致力於閥門控制系統的開發、銷售、維修及服務的公司。同時是義大利AIR TORQUE氣動執行器授權台灣唯一獨家代理商。我們提供的產品均符合國際通用標準，例如ANSI、DIN、JIS、ASTM等，被廣泛用於石油、化工、環保、製藥、食品、飲料、水處理及工業氣體等領域。公司經營項目有氣動球閥/蝶閥、電動球/蝶閥、各式金屬/塑膠閥門、電磁閥及閥門控制零件(微動開關顯示器、定位器...等)。

產品性能好外觀美價格合理。

本公司秉持著“品質第一、信譽至上”的經營理念，盡心盡力為客戶提供優質的產品和完善的售後服務，滿足客戶的需求，希望客戶給予支持，並提供寶貴意見予以參考，使我們能提供令您更滿意之產品。



Jen Horng Co., Ltd. was established in 1993. We have been focusing on the development, sales, maintenance, and services of valves control systems. At the same time, we are an authorized exclusive agent of Italian brand "AIR TORQUE" pneumatic actuators. The products provided by our company are all qualified according to international standards, such as ANSI, DIN, JIS, ASTM, and etc. In addition, our products are applied and used in many areas such as patrol, chemical engineering, environmental protection, drug manufacturing, food, beverages, water processing, industrial air, and etc.

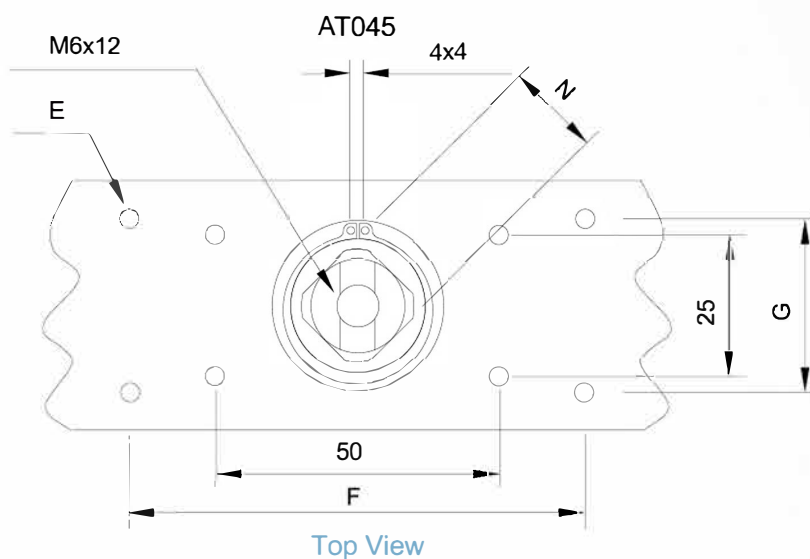
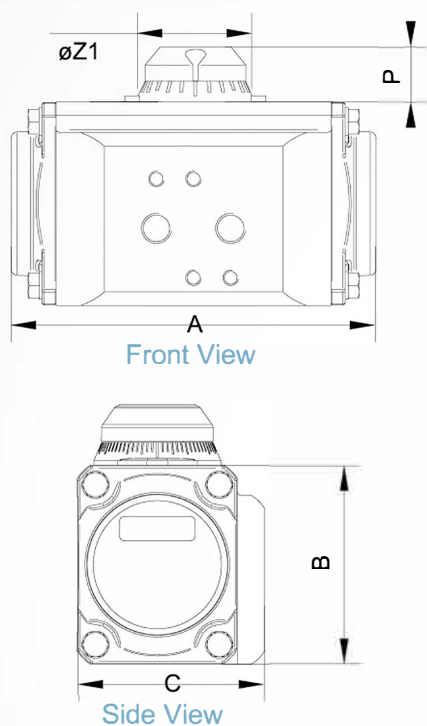
Our product range includes pneumatic ball / butterfly valves, electric ball / butterfly valves, various types of metal / plastic valves, solenoid valves, and valve control parts (limit switch box, positioner, and etc.). The functions and outlooks of our products are excellent, and our prices are always reasonable. We always have the operation and management concepts of "Quality First, Honor First", and we always strive to offer excellent products and complete after-sale services. We welcome any customers to offer precious opinions to us in order to let us be able to satisfy any customers' demands and provide satisfying products.



AIR TORQUE

鋁合金

- 一、產品特色：一體現代美學設計，全系列產品符合最新國際規範ISO5211，互換性良好，且符合NUMAR標準，安裝週邊配件方便簡單。
- 二、雙活塞齒排結構設計，輸出行程穩定，輸出扭力大。
- 三、缸體具有獨立角度行程調節螺絲，可在0°和90°度間有±15°的調節範圍，確保驅動器與閥門同步的精準度。
- 四、產品有單作動及雙作動設計，一致化的產品標準可通過拆裝彈簧進行功能轉換。



AT045 DIMENSION IN mm

AT045	A	B	C	D	E	F	G	N(CH)	P	R	S	T	ISO228	Z1	ISO	FLANGE	Q	Q1	Q2	W	W1	W2
DA/SR	118	66	62	M5x8	M5x8	80	30	11x12	15	32	24		1/8"	42		F04	42	—	—	M5	—	—

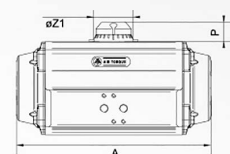
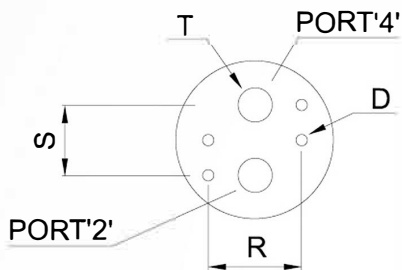
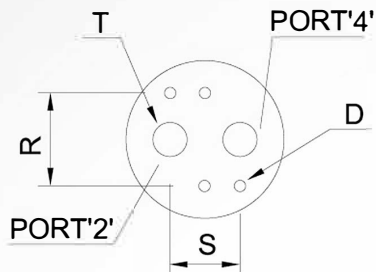
DOUBLE ACTING TORQUE(NM)

Supply Pressure	2.5bar	3bar	3.5bar	4bar	4.2bar	4.5bar	5bar	5.5bar	6bar	7bar	8bar	Net weight(KG)
AT045	6.00	7.20	8.40	9.60	10.10	10.80	12.00	13.20	14.40	16.80	19.10	0.75

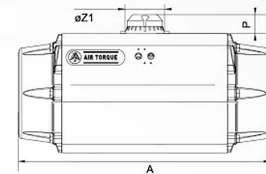
SPRING RETURN TORQUE(NM)

Spring set	S1-1		S1-2		S2-2		S2-3		S3-3		Net weight
AT045	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	0.9KG
	Start	End	Start	End	Start	End	Start	End	Start	End	
	3.1	1.7	4.8	2.6	6.4	3.5	8	4.2	9.6	5	

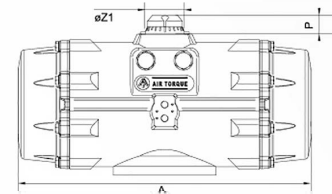
AIR CONNECTION VDI/VDE3845



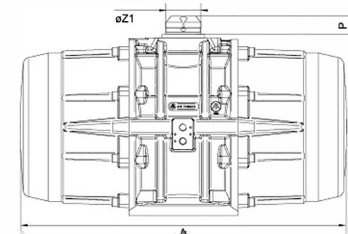
AT051 U-AT651 U



AT701 U-AT751 U

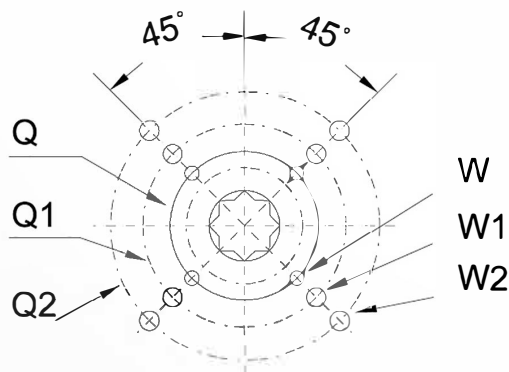


AT801 U

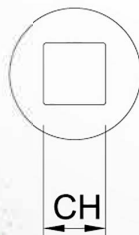


AT1001 U

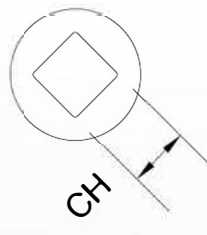
BOTTOM VIEW ISO 5211



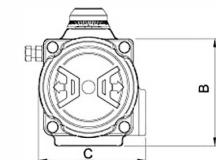
DOUBLE SQUARE



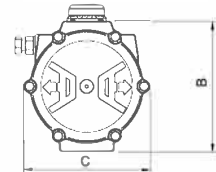
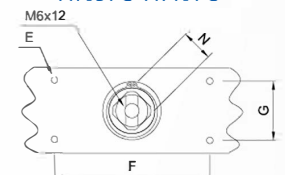
SINGLE SQUARE PARALLEL



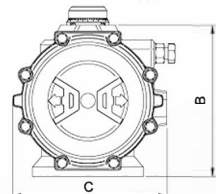
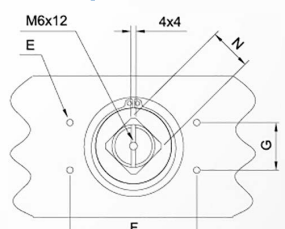
SINGLE SQUARE DIAGONAL



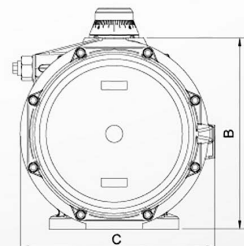
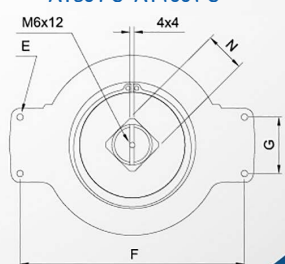
AT051 U+AT101 U



AT201 U+AT751 U



AT801 U+AT1001 U



DIMENSIONS mm

ACTUATOR MODEL	AT051 U DA/SR	AT101 U DA/SR	AT201 U DA/SR	AT251 U DA/SR	AT301 U DA/SR	AT351 U DA/SR	AT401 U DA/SR	AT451 U DA/SR	AT501 U DA/SR	AT551 U DA/SR	AT601 U DA/SR	AT651 U DA/SR	AT701 U DA/SR	AT751 U DA/SR	AT801 U DA/SR	AT1001 U DA/SR
A	137	153.5	203.5	241	259	304	333	384.5	422.5	474	528	605	710	812	876	950
B	69	85	102	115	127	145	157	177	196	220.5	245	298.5	330	383	410	518
C	72	84.5	93	103	118.5	137	147	166	181	200	218	258	319	371	418	530
D	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M6x10	M6x10	M6x10	M6x10	M6x10
E	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M6x10
F	80	80	80	80	80	80	80	80	80	130	130	130	130	130	130	200
G	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	50
N(CH)	11x12	14x16	17x19	17x19	22x24	27x24	27x29	27x29	27x29	36x39	36x39	36x39	36x39	55x59	55x59	75x80
P	20	20	20	20	20	30	30	30	30	50	50	50	50	50	50	80
R	32	32	32	32	32	32	32	32	32	32	32	45	45	45	45	45
S	24	24	24	24	24	24	24	24	24	24	24	40	40	40	40	40
T ISO228	1/8"	1/8"	1/8"	1/8"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"	1/2"	1/2"
Z1	42	42	42	42	42	58	58	67.5	67.5	80	80	115	115	115	115	115
ISO FLANGE	F04	F05+F07	F05+F07	F05+F07	F07+F10	F07+F10	F07+F10	F10+F12	F10+F12	F10+F12	F10+F12	F16	F16	F16+F25	F16+F25	F16+F25+F30
Q	42	50	50	50	70	70	70	102	102	102	140	165	165	165	165	165
Q1	-	70	70	70	102	102	102	125	125	125	-	-	-	254	254	254
Q2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	298
W	M5	M6	M6	M6	M8	M8	M8	M10	M10	M10	M16	M20	M20	M20	M20	M20
W1	-	M8	M8	M8	M10	M10	M10	M12	M12	M12	-	-	-	-	M16	M16
W2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M20

DOUBLE ACTING TORQUE(NM)

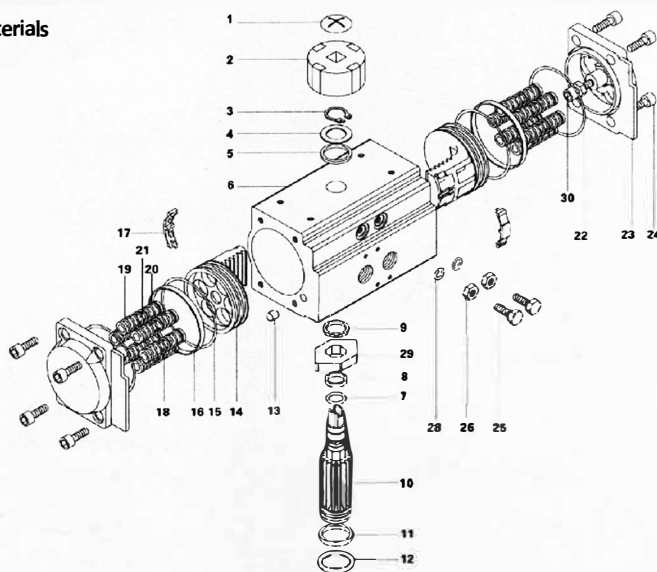
Supply Pressure	2.5bar	3bar	3.5bar	4bar	4.2bar	4.5bar	5bar	5.5bar	6bar	7bar	8bar	Net Weight (KG)
AT051 U D	8.3	10.0	11.6	13.3	14.0	15.0	16.6	18.3	19.9	23.3	26.6	1.0
AT101 U D	14.7	17.6	20.5	23.5	24.6	26.4	29.3	32.2	35.2	41.0	46.9	1.6
AT201 U D	29.1	34.9	40.7	46.5	48.9	52.4	58.2	64.0	69.8	81.4	93.1	2.7
AT251 U D	45.8	54.9	64.1	73.2	76.9	82.4	91.5	100.7	109.8	128.1	146.4	3.7
AT301 U D	66.5	79.8	93.1	106.0	112.0	120.0	133.0	146.0	160.0	186.0	213.0	5.2
AT351 U D	107.0	129.0	150.0	172.0	181.0	193.0	215.0	236.0	258.0	301.0	344.0	8.0
AT401 U D	138.0	166.0	194.0	222.0	233.0	249.0	277.0	305.0	332.0	388.0	443.0	9.8
AT451 U D	217.0	261.0	304.0	348.0	365.0	391.0	435.0	478.0	522.0	609.0	696.0	14.2
AT501 U D	284.0	340.0	397.0	454.0	477.0	511.0	567.0	624.0	681.0	794.0	908.0	18.1
AT551 U D	383.0	459.0	536.0	613.0	643.0	689.0	766.0	842.0	919.0	1072.0	1225.0	24.3
AT601 U D	532.0	638.0	745.0	851.0	893.0	957.0	1064.0	1170.0	1276.0	1489.0	1702.0	34.1
AT651 U D	893.0	1072.0	1251.0	1430.0	1501.0	1608.0	1787.0	1966.0	2144.0	2502.0	2859.0	52.7
AT701 U D	1297.0	1556.0	1815.0	2075.0	2179.0	2334.0	2594.0	2853.0	3112.0	3631.0	4150.0	74.0
AT751 U D	1795.0	2154.0	2513.0	2872.0	3015.0	3231.0	3590.0	3949.0	4308.0	5026.0	5744.0	123.0
AT801 U D	2252.0	2703.0	3153.0	3604.0	3784.0	4054.0	4504.0	4955.0	5405.0	6306.0	7207.0	127.0
AT1001 U D	4169.0	5003.0	5837.0	6671.0	7005.0	7505.0	8339.0	9173.0	10007.0	11674.0		170.0

SPRING RETURN TORQUE

Spring set	S03		S04		S05		S06		S07		S08						Net Weight
Model	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	Kg
AT051 U	7.4	4.6	8.5	5.3	9.6	5.9	10.6	6.6	11.7	7.3	12.8	7.9					1.1
Spring set	S05		S06		S07		S08		S09		S10		S11		S12		Net Weight
Model	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	90° Start	0° End	Kg
AT101 U	8.4	5.5	10.1	6.7	11.8	7.8	13.5	8.9	15.2	10	16.9	11.1	18.6	12.2	20.2	13.3	1.7
AT201 U	17.3	11.1	21	13.3	24.2	15.5	27.7	17.7	31	19.9	34.6	22.1	38.1	24.3	41.5	26.5	3.1
AT251 U	28.9	18.3	34.7	22	40.4	25.7	46.2	29.3	52	33	57.8	36.7	63.5	40.3	69.3	44	4.3
AT301 U	39.4	25.3	47.3	30.4	55.1	35.5	63	40.5	70.9	45.6	78.8	50.7	86.7	55.7	94.5	60.8	6.1
AT351 U	65.5	41	78.6	49.2	91.7	57.4	105	65.6	118	73.8	131	82	144	90.2	157	98.4	9.3
AT401 U	82.4	52.5	98.9	63	115	73.5	132	84	148	94.5	165	105	181	116	198	126	11.7
AT451 U	129	82.4	155	99	180	115	206	132	232	148	258	165	283	181	309	198	17.4
AT501 U	166	112	199	135	233	157	266	180	299	202	332	224	365	247	399	269	22.3
AT551 U	237	158	284	190	332	221	379	253	426	285	474	316	521	348	568	379	32.7
AT601 U	315	213	378	255	441	298	504	340	567	383	630	425	693	468	756	510	41.9
AT651 U	521	360	625	433	730	505	834	577	938	649	1042	721	1146	793	1251	865	67.3
AT701 U	801	546	961	655	1121	764	1281	873	1442	982	1602	1091	1762	1200	1922	1309	93
AT751 U	1092	731	1310	877	1528	1023	1746	1170	1965	1316	2183	1462	2401	1608	2620	1754	155
AT801 U	1238	920	1486	1104	1733	1288	1981	1472	2229	1656	2476	1839	2724	2023	2971	2207	169
AT1001 U	2475	1695	2970	2034	3465	2373	3960	2712	4455	3051	4949	3390	5444	3729	5939	4068	238

EAGLESKY 鋁合金

零件及其材料 Parts & Materials

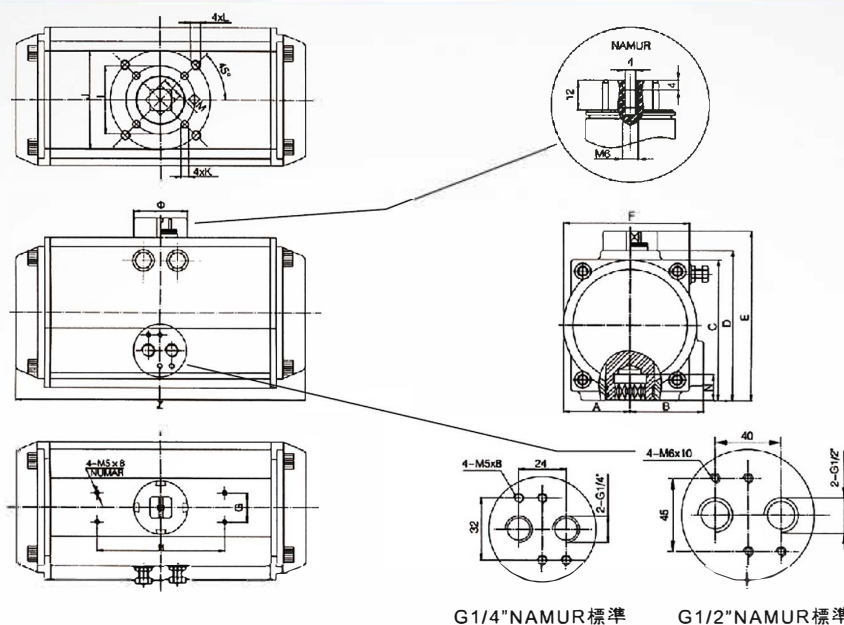


序號	名稱	數量	材料
1	指示器螺釘	1	不銹鋼
2	指示器	1	塑料
3	彈性擋圈	1	不銹鋼
4	墊片	1	不銹鋼
5	外墊片	1	工程塑料
6	鋼體	1	鋁合金
7	上軸“O”型圈	1	氟橡膠、丁腈橡膠
8	上軸支承圈	1	工程塑料
9	內墊片	1	工程塑料
10	軸	1	合金鋼
11	下軸支承圈	1	工程塑料
12	下軸“O”型圈	1	氟橡膠、丁腈橡膠
13	塞頭	2	橡膠
14	活塞	2	壓鑄鋁/鑄鋼
15	活塞“O”型圈	2	氟橡膠、丁腈橡膠
16	活塞支承圈	2	工程塑料
17	活塞導板	2	尼龍66
18	彈簧	*	彈簧鋼
19	彈簧左套	*	尼龍66
20	彈簧右套	*	尼龍66
21	彈簧套連接	*	鋼
22	端蓋“O”型圈	2	氟橡膠、丁腈橡膠
23	端蓋	2	壓鑄鋁合金
24	端蓋緊固螺桿	8	不銹鋼
25	調節螺桿	2	不銹鋼
26	調節螺桿螺帽	2	不銹鋼
27	調節螺桿墊圈	2	不銹鋼
28	調節螺桿“O”型圈	2	氟橡膠、丁腈橡膠
29	凸輪	1	合金鋼
30	限位螺絲	2	不銹鋼

NO	Description	Qty	Standards Material
1	Indicator Screw	1	Stainless steel
2	Indicator	1	plastic
3	Snap Ring	1	Stainless steel
4	Washer	1	Stainless steel
5	Outside Washer	1	Engineering Plastics
6	Body	1	Aluminum Alloy
7	O-ring(Top)	1	Viton/NBR
8	Bearing Top	1	Engineering Plastics
9	Inside Washer	1	Engineering Plastics
10	Pinion	1	Alloy steel
11	Bearing Bottom	1	Engineering Plastics
12	O-ring Bottom	1	Viton/NBR
13	Plug	2	NBR
14	Piston	2	Die-casting aluminum/steel
15	Piston O-ring	2	Viton/NBR
16	Piston Bearing	2	Engineering Plastics
17	Guide Piston	2	Nylon 66
18	Spring	*	Spring steel
19	Spring Retainer(L)	*	Nylon 66
20	Spring Retainer(R)	*	Nylon 66
21	Retainer Connector	*	Brass
22	End-Cap O-ring	2	Viton/NBR
23	End-Cap	2	Die-casting aluminum/steel
24	End-Cap Stop Screw	8	Stainless steel
25	Adjust Screw	2	Stainless steel
26	Adjust Screw Nut	2	Stainless steel
27	Adjust Screw Washer	2	Stainless steel
28	Adjust Screw O-ring	2	Viton/NBR
29	Cam	1	Alloy steel
30	Stop Screw	2	Stainless steel

標準規格 Specifications

型號 Model	ES50/63/75/85/100/125/145/160/180/200/240
缸體材質 Body material	鋁合金 Allminum alloy
活塞材質 Piston material	鋁合金 Allminum alloy
端蓋材質 Cover material	鋁合金 Allminum alloy
輸出軸 Output shaft	45#、2CR13、SUS304、SUS316、SUS316L
輸出扭力 Output torque	12N.M ~ 15000N.M
開度 Opening	90°、120°、135°、180°
氣源壓力 Gas pressure	0.2Mpa ~ 0.8Mpa
環境溫度 Temperature around	標準型 Standard: -20° ~ +80° 高溫型 High temperature: -15° ~ +150° 低溫型 Low temperature: -40° ~ +80°
材質處理 Material handling	陽極硬質氧化 Hard oxidation of anode、鍍鎳磷合金 Nickel-phosphorus alloy plated
表面溫度 Surface plating	烤漆 Plating、環氧樹脂 epoxy、噴塑 plastic、噴尼龍 nylon、噴四氟 PTFE、噴特氟龍 teflon spraying
連接尺寸 Connection size	ISO5211 標準 ISO5211 Standard
接口尺寸 Interface dimensions	NUMAR 標準 NUMAR standard
作用方式 Action mode	單作用 Spring Return/ 雙作用 Double Acting
允許洩漏 Leakage allowed	零洩漏 None



G1/4"NAMUR標準

G1/2"NAMUR標準

單位Unit:mm

尺寸表:dimension table

型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Z	φ	氣源接口Air connection
ES-40	28.5	36.5	60	60	80	52	30	80	φ 36	φ 50	M5X8	M6X10	11	14	122	φ 40	NAMUR G1/4"
ES-50	30	41.5	65.5	72	92	65	30	80	φ 36	φ 50	M5X8	M6X10	11	14	147	φ 40	NAMUR G1/4"
ES-63	36	47	81	87.5	107.5	72	30	80	φ 50	φ 70	M6X10	M8X13	14	18	168	φ 40	NAMUR G1/4"
ES-75	42	53	94	99.5	119.5	81	30	80	φ 50	φ 70	M6X10	M8X13	14	18	184	φ 40	NAMUR G1/4"
ES-85	46	57	98.5	108.7	128.7	92	30	80	φ 50	φ 70	M6X10	M8X13	17	21	204	φ 40	NAMUR G1/4"
ES-92	50	58.5	111	116.5	136.5	98	30	80	φ 50	φ 70	M6X10	M8X13	17	21	262	φ 40	NAMUR G1/4"
ES-100	57.5	64	122.5	133	153	109.5	30	80	φ 70	φ 102	M8X13	M10X16	22	26	268	φ 40	NAMUR G1/4"
ES-125	67.5	74.5	145.5	155	175	127.5	30	80	φ 70	φ 102	M8X13	M10X16	22	26	301	φ 55	NAMUR G1/4"
ES-145	75	77	161	172	192	137.5	30	80	φ 102	φ 125	M10X16	M12X20	27	31	390	φ 55	NAMUR G1/4"
ES-160	87	87+	184	197	217	158	30	80	φ 102	φ 125	M10X16	M12X20	27	31	458	φ 55	NAMUR G1/4"
ES-180	103	103	216	230	260	189	30	130		φ 140		M16X25	36	50	525	φ 80	NAMUR G1/4"
ES-200	113	113	235.5	255	285	210	30	130		φ 140		M16X25	36	50	532	φ 80	NAMUR G1/4"
ES-240	130	130	264.5	289	319	245	30	130		φ 165		M20X25	46	60	602	φ 80	NAMUR G1/4"
ES-270	147	147	299	326	356	273	30	130		φ 165		M20X25	46	60	722	φ 80	NAMUR G1/2" (NAMUR G1/4")

公制 Metric System	型號狀態 Model Status	ES-40 D C	ES-50 D C	ES-63 D C	ES-75 D C	ES-85 D C	ES-92 D C	ES-100 D C	ES-125 D C	ES-145 D C	ES-160 D C	ES-180 D C	ES-200 D C	ES-240 D C	ES-270 D C
氣壓室體積 Pressure chamber volume	Φ (mm)	40	50	63	75	88	92	100	125	145	160	180	200	240	270
行程調整 Stroke Adjustment	For 1°所需轉數	1/6turn	1/6turn	1/6turn	1/5turn	1/5turn	1/5turn	1/5turn	1/4turn	1/5turn	1/4turn	1/4turn	1/4turn	1/4turn	1/4turn
開啓時空氣體積 Air Volume (Open)	(L)	0.08	0.09	0.16	0.31	0.51	0.64	0.71	1.54	2.41	3.14	4.26	5.94	10	15.2
關閉時空氣體積 Air Volume (Closed)	(L)	0.11	0.15	0.26	0.49	0.78	0.85	1.11	2.34	3.78	4.92	6.89	9.46	15.2	20.0
開啓時間 Opening Time(A)	(Sec.)	0.2	0.25	0.25	0.3	0.3	0.4	0.4	0.5	0.7	0.9	1.2	1.5	1.8	2.4
關閉時間 Closing Time (A)	(Sec.)	0.25	0.3	0.3	0.35	0.35	0.5	0.5	0.6	0.8	0.9	1.1	1.4	1.7	2.1
單位近似重量 Approximate Unit Weight	(Kg)	1	1.1	1.38	1.45	2.03	2.05	2.7	2.9	3.13	3.60	4.6	5.2	5.77	6.85

■ 說明：(A) 驅動器的動作時間是下列測試條件所得：(1) 室溫 (2) 90°行程 (3) 電磁閥的管徑為4mm且流通能力為Qn 400L/min (4) 管內徑為8mm (5) 中性乾淨空氣 (6) 氣源壓力為5.5巴 (79.75 PSI) (7) 驅動器空載。 注：在使用中現場有一個或多個時參數不同，動作時間與開關度會有不同。

Instructions: (A) Action time of the actuator is tested under the following circumstance: (1) Room Temp. (2) 90deg. Stroke (3) The diameter of Solenoid Valve should be 4mm and its flow capacity should be Qn 400L/min. (4) Inner diameter should be 8mm. (5) Neutral clean air. (6) Gas pressure should be 5.5bar(79.75Psi) (7) The actuator should be empty.

ES 單作用扭力值

Spring Return Torque

單作用氣動執行器輸出扭矩(單位:牛頓·米)

規格(Model)	氣源壓力(巴) Air pressure(Bar)																		彈簧輸出扭矩(Spring's output)	
	彈簧根數		2		2.5		3		4		5		6		7		8			
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°		
	(Spring Q.ty)	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	
ES-50	5	3.7	1.6	5.7	3.6													6.2	4.2	
	6	2.8	0.3	4.8	2.3	6.8	4.3											7.4	5.1	
	7			3.9	1.0	5.9	3.0	9.9	7.0	14.0	11.1							8.6	5.9	
	8					5.0	1.7	9.0	5.7	13.1	9.8							9.9	6.8	
	9							8.1	4.4	12.2	8.5	16.2	12.5					11.1	7.6	
	10							7.2	3.1	11.3	7.2	15.3	11.2	19.3	15.2	23.4	19.3	12.4	8.5	
	11									10.4	5.9	14.4	9.9	18.4	13.9	22.5	18.0	13.6	9.3	
	12									9.5	4.6	13.5	8.6	17.5	12.6	21.6	16.7	14.8	10.1	
	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	26.8	21.9							14.6	9.6	
	8					9.8	3.7	16.9	10.8	24.0	17.9							16.7	10.9	
ES-63	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									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	9.0	4.9	14.1	10.0													14.5	10.5	
	6	6.8	1.8	11.9	6.9	16.9	11.9											17.4	12.7	
	7			9.7	3.9	14.7	8.9	24.8	19.0	35.4	29.9							20.3	14.8	
	8					12.4	5.8	22.5	15.9	32.5	25.9							23.2	16.9	
	9							20.3	12.9	30.3	22.9	40.4	33.0					26.1	19.0	
	10							18.1	9.8	28.1	19.8	38.2	29.9	48.3	40.0	58.3	50.0	29.1	21.1	
	11									25.9	16.8	36.0	26.9	46.1	37.0	56.1	47.0	31.9	23.2	
	12									23.7	13.7	33.8	23.8	43.9	33.9	53.9	43.9	34.7	25.3	
ES-75	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	3.8	27.7	56.2	46.2							32.2	22.1	
	8					19.6	7.4	35.0	22.8	50.5	38.3							36.8	25.3	
	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									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	58.2	38.0	
	5			33.1	22.0	44.2	33.2	66.8	55.9									34.4	23.3	
	6			28.4	15.2	39.6	26.4	62.2	49.0	84.8	71.6							41.2	28.0	
	7			23.8	8.2	34.9	19.4	57.5	42.1	80.2	64.7							48.1	32.7	
	8					31.3	12.6	52.9	35.2	75.5	57.9	98.1	80.5	120.7	103.0			55.0	37.3	
ES-92	9							48.2	28.4	70.9	51.0	93.5	73.6	116.0	96.1			61.9	42.0	
	10							43.6	21.5	66.2	44.1	88.8	66.7	111.3	89.2	134.0	111.8	68.7	46.7	
	11									61.5	37.2	84.1	59.9	106.6	82.4	129.2	105.0	75.6	51.4	
	12									56.8	30.4	79.4	53.0	101.9	75.5	124.5	98.1	82.5	56.0	
	5	32	14	48	30													49	31	
	6	25	3	42	20	58	36											59	38	
	7			35	9	52	26	85	59	121	96							68	44	
	8					45	15	78	48	111	81							78	50	
	9							71	38	104	71	137	104					88	56	
	10							65	28	97	60	130	93	163	126	196	159	98	63	
	11									91	50	124	83	156	116	189	149	108	69	
	12									84	40	117	73	150	105	183	138	118	75	
ES-100	5	47	20	72	45													78	52	
	6	36	4	61	29	87	55											94	62	
	7			50	12	76	38	127	89	178	141							109	73	
	8					65	22	116	73	167	124							125	83	
	9							105	56	156	107	208	159					141	94	
	10							94	40	145	91	197	143	248	194	299	245	156	104	
	11									134	74	186	126	237	177	288	228	172	115	
	12									123	58	175	110	226	161	277	212	158	102	
	5	84	39	128	83													129	85	
	6	66	12	110	56	154	100											154	102	
	7			92	29	136	73	224	161	308	247							180	120	
	8					118	45	206	133	294	221							206	137	
ES-125	9							188	106	276	194	363	281					232	154	
	10							170	79	258	167	345	254	433	342	521	430	257	171	
	11									240	140	327	227	415	315	503	403	283	188	
	12									222	113	309	200	379	288	485	376	309	205	
	5	120	47	187	114													208	139	
	6	90	3	157	70	224	137											250	168	
	7			128	27	195	94	329	228	469	373							292	196	
	8					165	50	299	184	432	317							333	223	
	9							270	140	403	273	537	407					375	251	
	10							241	96	374	229	508	363	641	496	775	630	417	279	
	11									344	185	478	319	611	452	745	586	458	307	
	12									315	141	449	275	582	408	716	542	500	335	
ES-145	5	220	105	327	212													293	190	
	6	178	40	285	147	393	255											352	227	
	7			243	82	385	190	566	405	784	631							410	265	
	8					309	125	524	340	740	556							489	303	
	9							482	275	698	491	913	706					527	341	
	10							440	210	656	426	871	641	1087	857	1302	1072	686	379	
	11									614	361	829	576	1045	792	1260	1007	645	417	
	12									572	296	787	511	1003	727	1218	942	703	455	
	5	237	126	369	258													360	260	
	6	179	46	311	178	442	309											432	313	
	7			253	99	384	230	647	493	908	754							503	365	
	8					326	150	589	413	853	677							575	417	
9							531	333	795	597	1058	880	1263	1043	1526	1306	647	489		
ES-180	10							473	253	737	517	1000	780	1205	963	1468	1226	719	521	
	11									673	437	942	700	1205	963	1468	1226	731	573	
	12									621	357	884	620	1147	883	1410	1146	861	625	
	5	237	126	369	258													360	260	
	6	179	46	311	178	442	309											432	313	
	7			253	99	384	230	647	493	908	754							503	365	
	8					326	150	589	413	853	677							575	417	
	9																			

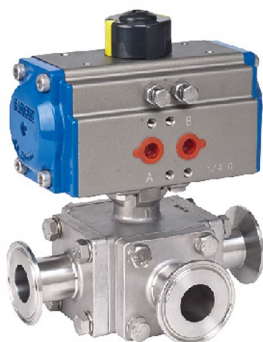
氣動金屬蝶閥
Pneumatic Butterfly



氣動塑料球閥
Pneumatic PVC Ball Valve



氣動食品級球閥
Pneumatic Sanitary Ball Valve



氣動鍍鋅板法蘭式風門
Pneumatic galvanized sheet flange damper



氣動塑料蝶型閥
Pneumatic PVC Butterfly Valve



氣動閥門成套設備
Pneumatic Valve Facility



氣動PVC三通球
Pneumatic PVC three-way ball valve



氣缸用齒輪箱
Gear box for Pneumatic Actuator

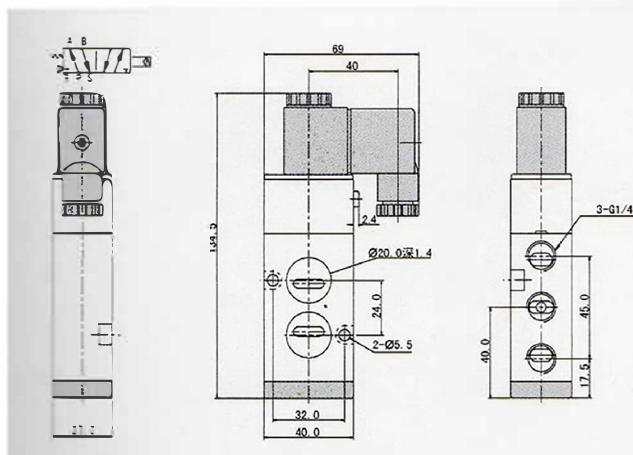


五口二位電磁閥 NAMUR SERIES SOLENOID VALVE

■ 型號 Model : ES-4V



■ 尺寸圖 Dimensions

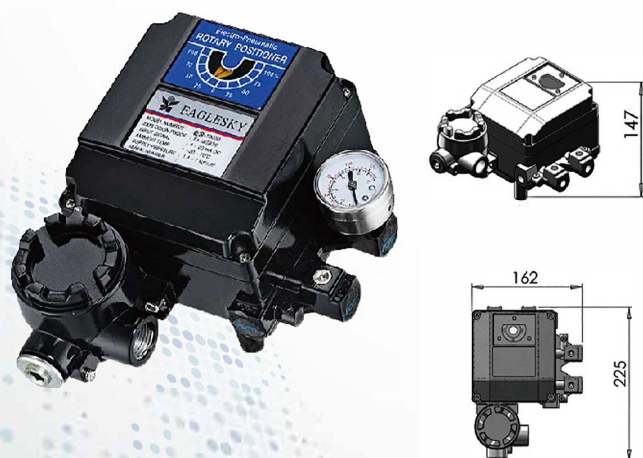


■ 參數表 Parameters Table

位置數 The position counting	五口二位 Two-position Three-way	五口二位 Two-position Three-way
有效截面積 Effective Section Area	25mm ² (CV=1.40)	30mm ² (CV=1.68)
接管口徑 Joint Pipe Bore	進氣=出氣=排氣=G1/4" Air Inlet=Air Outlet=Exhaust=G1/4"	進氣=出氣=G3/8" 排氣=G1/4" Air Inlet=Air Outlet=G3/8" Exhaust=G1/4"
工作介質 Working Medium	經40微米過濾的空氣/40 Micron Filtered Air	
動作方式 Motion Pattern	內部先導式 / Inner Guide Type	
使用壓力 Working-pressure	0.15~0.8MPa	
最大耐壓力 Max. Pressure Resistance	1.2MPa	
工作溫度 Operating Temperature	5~50	
電壓範圍 Voltage Range	±10%	
耗電量 Power Consumption	AC:5.5VA DC:4.8W	
絕緣性及防護等級 Insulation & Protection Class	F級, IP65 / F Class, IP65	
接線形式 Wiring Form	出線式或端子式 / Lead Wire or Connector type	
最高動作頻率 Highest Action Frequency	每秒五次 / 5 Cycle / Sec	
最短勵磁時間 Shortest Excitation Time	0.05秒 / 0.05 Second	

角行程氣缸用定位器 ELECTRO-PNEUMATIC POSITIONER(Rotary)

■ 型號 Model : ES-1000R



■ 參數表 Parameters Table

項目	單作用 Single-acting 雙作用 Double-acting
輸入信號 Input Signal	4-20mA
阻抗 Impedance	250±15Ω
輸入壓力 Input Pressure	1.4~7Kg/cm ²
行程範圍 Travel Range	0-90°
氣缸接口 Air Connection	NPT1/4
壓力表接口 Gauge Connection	NPT1/8
電源接口 Power Interface	G 1/2
防爆等級 Explosion Level	Ex dII BT5 Ex iaII cT6
防護等級 Protection Level	IP66
環境溫度 Ambient Temperature	-20°C~70°C
環境濕度 Humidity	10~90RH
直線型 Linear type	±1%F.S. ±2%F.S.
滯厚度 Hysteresis	1%F.S.
靈敏度 Sensitivity	±0.2%F.S. ±0.5%F.S.
重複性 Repeatability	±0.5%F.S.
空氣消耗量 Air consumption	2LPM(sup=1.4kgf/cm ²)
流量 Flow rate	80LPM(sup=1.4kgf/cm ²)
材質 Material	壓鑄鋁
重量 Weight	2.8kg

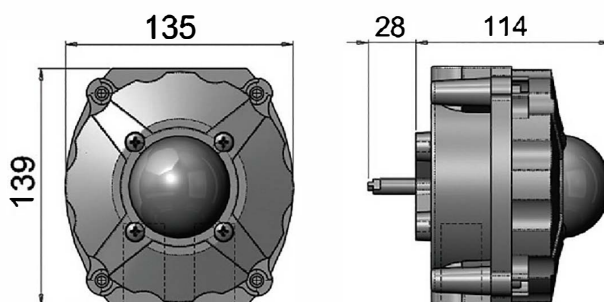
■ 尺寸圖 Dimensions

微動開關顯示器(防爆型) LIMIT SWITCH BOX (Explosion-proof Type)

■ 型號 Model : ES-300



■ 尺寸圖 Dimensions



■ 參數表 Parameters Table

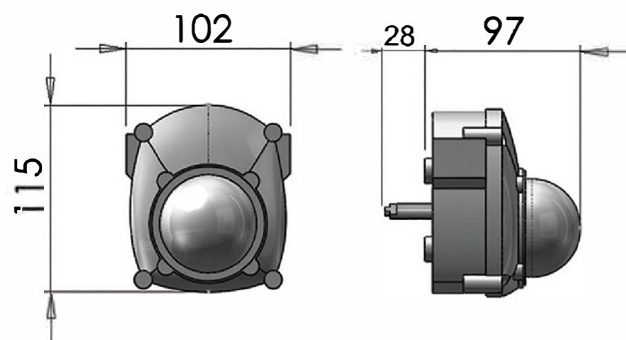
項目 Item	ES-100	ES-300
殼體 Enclosure	氣候防護型 Waterproof and Dust-proof IP67	IP67, 防爆等級 Explosion-proof Eexd II BT6 / CT6
接線端子 Terminals	10個(限位開關6, 電磁閥4個備用)	
位置指示 Position Indicator	0-90°連續指標 Rotary (黃-開 Yellow-Open, 紅-關 Red-Close)	
電氣接口 Electrical Interface	1/2"NPT	PF3/4"
環境溫度 Ambient Temperature	-20~+70°C	
安裝支架 Mounting Brackets	VDI/VDE 3845, NAMUR 標準 Standard, 不鏽鋼 Stainless Steel	
微型開關 Micro-switch	SPDT, SPST, 機械式 (OMRON), 接近式	

微動開關顯示器(非防爆型) LIMIT SWITCH BOX (None Explosion-proof Type)

■ 型號 Model : ES-100



■ 尺寸圖 Dimensions



■ 參數表 Parameters Table

項目 Item	ES-100	ES-300
殼體 Enclosure	氣候防護型 Waterproof and Dust-proof IP67	IP67, 防爆等級 Explosion-proof Eexd II BT6 / CT6
接線端子 Terminals	10個(限位開關6, 電磁閥4個備用)	
位置指示 Position Indicator	0-90°連續指標 Rotary (黃-開 Yellow-Open, 紅-關 Red-Close)	
電氣接口 Electrical Interface	1/2"NPT	PF3/4"
環境溫度 Ambient Temperature	-20~+70°C	
安裝支架 Mounting Brackets	VDI/VDE 3845, NAMUR 標準 Standard, 不鏽鋼 Stainless Steel	
微型開關 Micro-switch	SPDT, SPST, 機械式 (OMRON), 接近式	