

# SOLENOID VALVE

2





# 電磁閥 SOLENOID VALVE

VE 系列

台灣專利號碼：新型 M248943號

## 配線端子插頭(DIN43650)

- 種類：
1. 標準插頭
  2. 附燈插頭
  3. 保護迴路附燈插頭

## 閥體

閥體經特殊鏡面加工及硬質膜處理

能長時間作動不燒損，  
啟動壓力 $0.5\text{kgf/cm}^2$

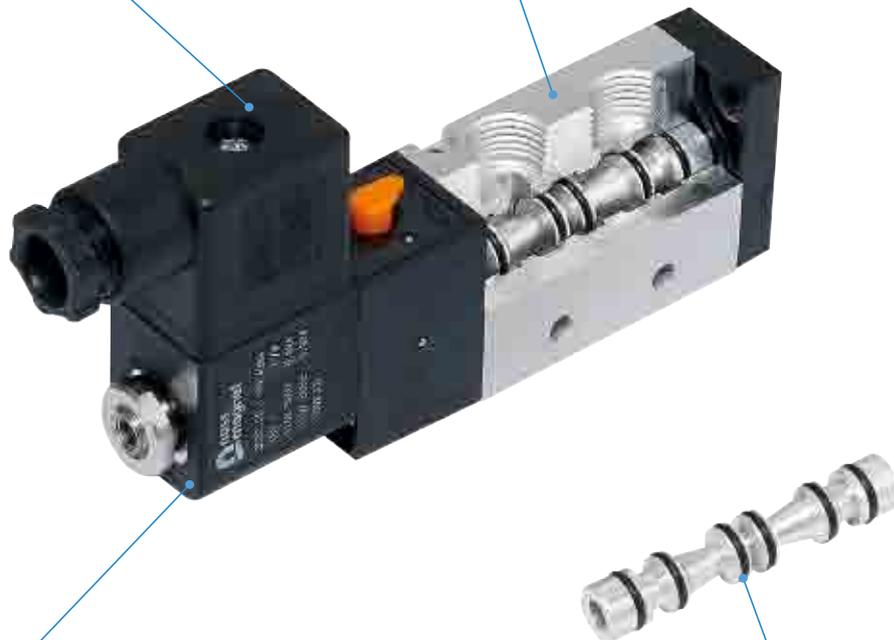
正常使用 2000 萬次  
以上壽命

## 線圈種類

1. AC110V 50/60Hz
2. AC220V 50/60Hz
3. DC12V
4. DC24V

## 閥桿油封

閥桿油封摩擦阻力小，  
增長使用壽命

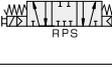
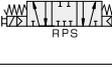
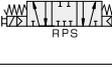


### 規格

系列	VE1000	VE2000	VE3000	VE4000
使用流體	乾燥空氣			
操作壓力範圍	0.17~0.8MPa(1.7~8kgf/cm <sup>2</sup> )			
耐壓力	1.0MPa(10kgf/cm <sup>2</sup> )			
使用溫度	5°C~60°C (41°F~140°F)			
潤滑給油	潤滑或不潤滑			
反應靈敏度	0.05秒			
適用氣缸範圍	Ø12~Ø40mm	Ø40~Ø63mm	Ø63~Ø100mm	Ø80~Ø160mm
負載週期	100% ED			
配線端子	歐規標準配線插頭 DIN 43650			
電壓範圍	±10%			
保護結構	IP65 防水/防塵			
絕緣等級	F級			
溫度範圍	30°C (86°F)			
消耗電力	DC24V:2.5W AC110V 50Hz:4.8VA AC110V 60Hz:4VA	DC24V:2.5W AC110V / 220V 50Hz:6.0VA AC110V / 220V 60Hz:4.9VA AC24V 60Hz:6.4VA	DC24V:4.8W AC110V 50Hz:8.4VA AC110V 60Hz:8.8VA AC120V 60Hz:8.8VA AC220V 50Hz:8.5VA AC220V 60Hz:6.9VA AC24V 60Hz:8.5VA	

系列	切換方式		接管口徑		有效斷面積	重量			
			R,S	P,A,B	P→A/B				
VE1000	五口二位	單線圈	G1/8"	G1/8"	12mm <sup>2</sup> (0.67CV)	120g			
		雙線圈				175g			
	五口三位	中位關閉			G1/8"	G1/8"	9mm <sup>2</sup> (0.5CV)	195g	
		中位開放							
中位壓力									
VE2000	五口二位	單線圈	G1/8"	G1/4"	18mm <sup>2</sup> (1CV)	210g			
		雙線圈				310g			
	五口三位	中位關閉			G1/8"	G1/4"	12mm <sup>2</sup> (0.7CV)	420g	
		中位開放							
中位壓力									
VE3000	五口二位	單線圈	G1/4"	G3/8"	30mm <sup>2</sup> (1.68CV)	300g			
		雙線圈				385g			
	五口三位	中位關閉			G1/4"	G3/8"	22mm <sup>2</sup> (1.2CV)	525g	
		中位開放							
中位壓力									
VE4000	五口二位	單線圈	G1/2"	G1/2"	50mm <sup>2</sup> (2.8CV)	590g			
		雙線圈				640g			
	五口三位	中位關閉				G1/2"	G1/2"	50mm <sup>2</sup> (2.8CV)	770g
		中位開放							
中位壓力									

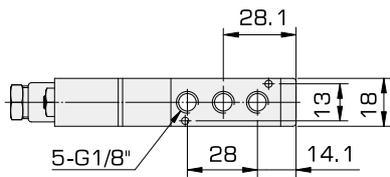
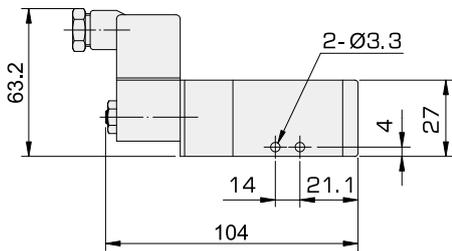
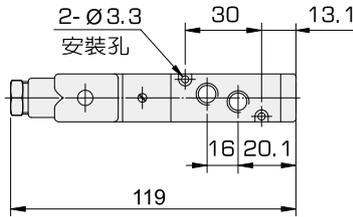
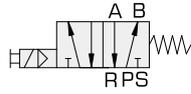
表示方法

VE	1	1	1	0	A11	L	M2																																																							
系列	型號	作動方式	配管口徑	配管方式	線圈電壓	插頭規格	連座數																																																							
	<table border="1"> <tr><td>1</td><td>1000</td></tr> <tr><td>2</td><td>2000</td></tr> <tr><td>3</td><td>3000</td></tr> <tr><td>4</td><td>4000</td></tr> </table>	1	1000	2	2000	3	3000	4	4000	<table border="1"> <tr> <td>1</td> <td>單線圈 </td> </tr> <tr> <td>2</td> <td>雙線圈 </td> </tr> <tr> <td>3</td> <td>中位關閉 </td> </tr> <tr> <td>4</td> <td>中位開放 </td> </tr> <tr> <td>5</td> <td>中位壓力 </td> </tr> </table>	1	單線圈 	2	雙線圈 	3	中位關閉 	4	中位開放 	5	中位壓力 	<table border="1"> <tr><td>1</td><td>G 1/8" (1000用)</td></tr> <tr><td>2</td><td>G 1/4" (2000用)</td></tr> <tr><td>3</td><td>G 3/8" (3000用)</td></tr> <tr><td>4</td><td>G 1/2" (4000用)</td></tr> </table>	1	G 1/8" (1000用)	2	G 1/4" (2000用)	3	G 3/8" (3000用)	4	G 1/2" (4000用)	<table border="1"> <tr><td>0</td><td>沒有底座</td></tr> <tr><td>1</td><td>連座式</td></tr> </table>	0	沒有底座	1	連座式	<table border="1"> <tr><td>A11</td><td>AC110V 50/60Hz</td></tr> <tr><td>A22</td><td>AC220V 50/60Hz</td></tr> <tr><td>A24</td><td>AC24V</td></tr> <tr><td>D12</td><td>DC12V</td></tr> <tr><td>D24</td><td>DC24V</td></tr> </table>	A11	AC110V 50/60Hz	A22	AC220V 50/60Hz	A24	AC24V	D12	DC12V	D24	DC24V	<table border="1"> <tr><td>空</td><td>標準插頭 DIN 43650</td></tr> <tr><td>L</td><td>附燈插頭 DIN 43650</td></tr> <tr><td>S</td><td>保護迴路附燈插頭 DIN 43650</td></tr> </table>	空	標準插頭 DIN 43650	L	附燈插頭 DIN 43650	S	保護迴路附燈插頭 DIN 43650	<table border="1"> <tr><td>M2</td></tr> <tr><td>M3</td></tr> <tr><td>M4</td></tr> <tr><td>M5</td></tr> <tr><td>M6</td></tr> <tr><td>M7</td></tr> <tr><td>M8</td></tr> <tr><td>M9</td></tr> <tr><td>M10</td></tr> </table>	M2	M3	M4	M5	M6	M7	M8	M9	M10
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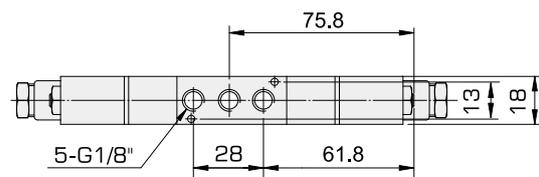
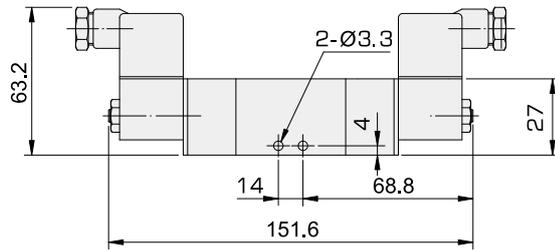
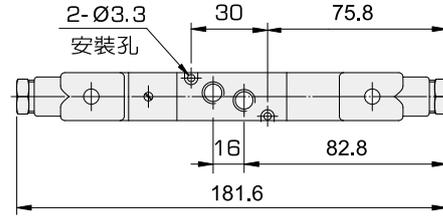
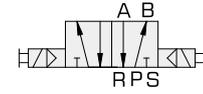


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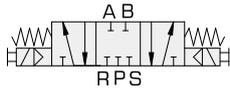
● VE1110 單線圈



● VE1210 雙線圈



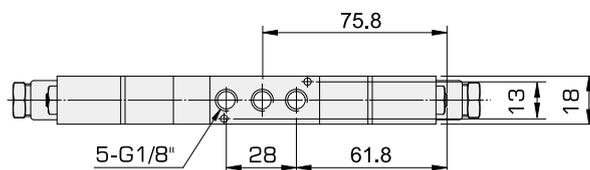
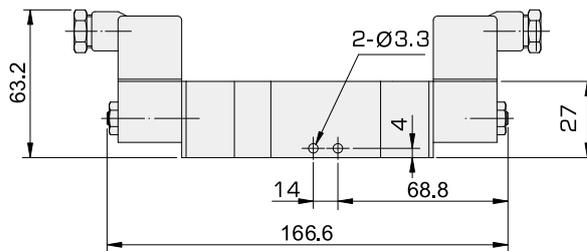
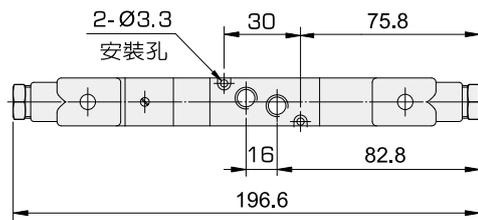
● VE1310 中位關閉



● VE1410 中位開放

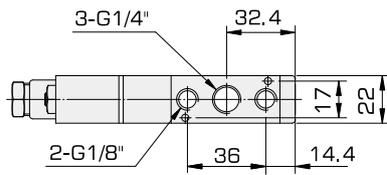
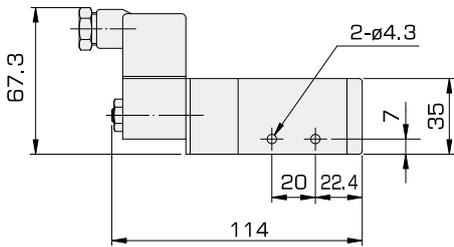
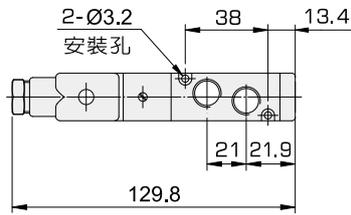


● VE1510 中位壓力

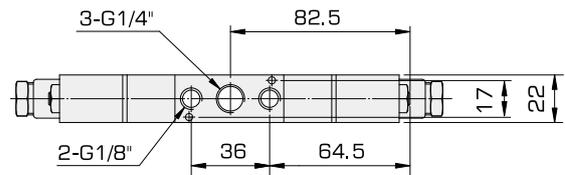
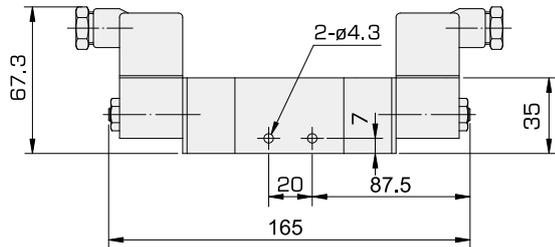
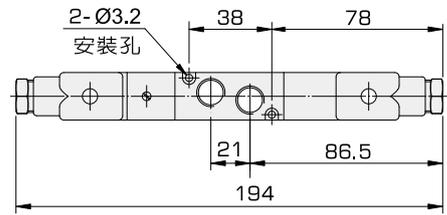
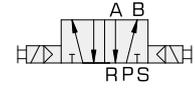


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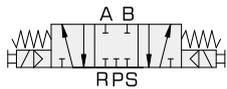
● VE2120 單線圈



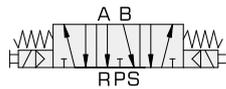
● VE2220 雙線圈



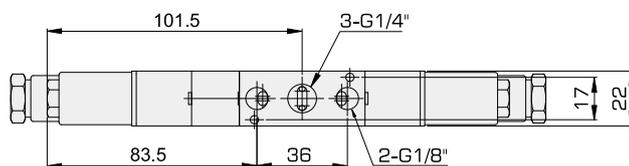
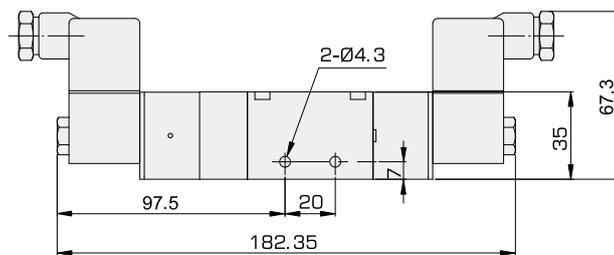
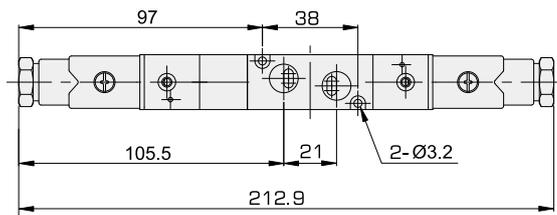
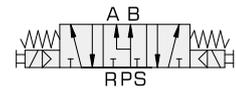
● VE2320 中位關閉



● VE2420 中位開放

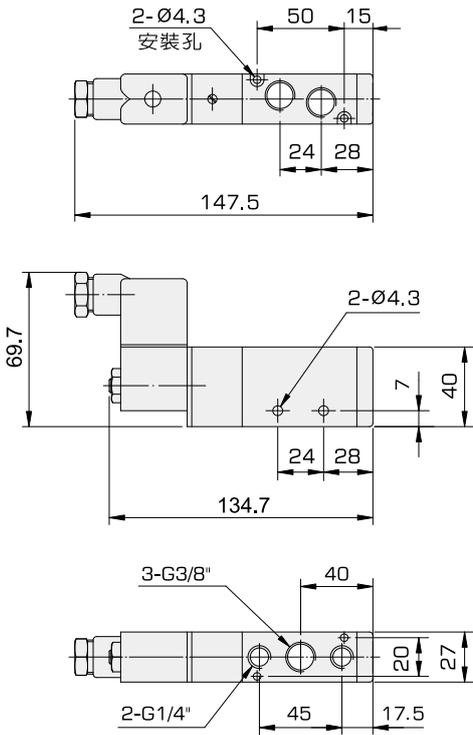
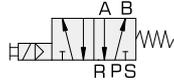


● VE2520 中位壓力

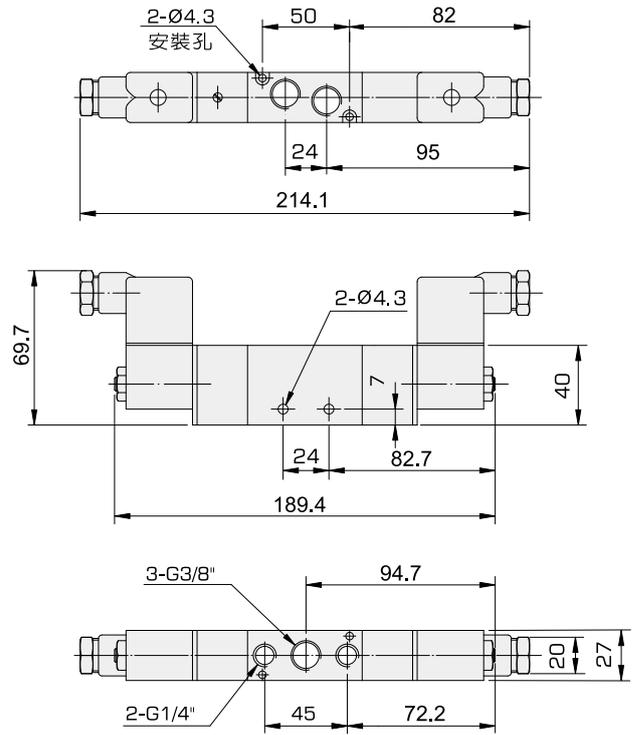


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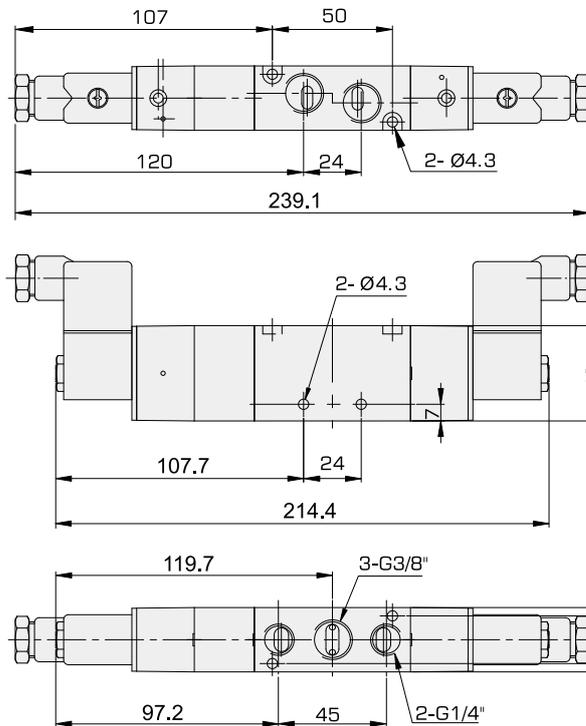
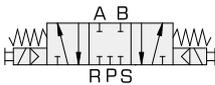
● VE3130 單線圈



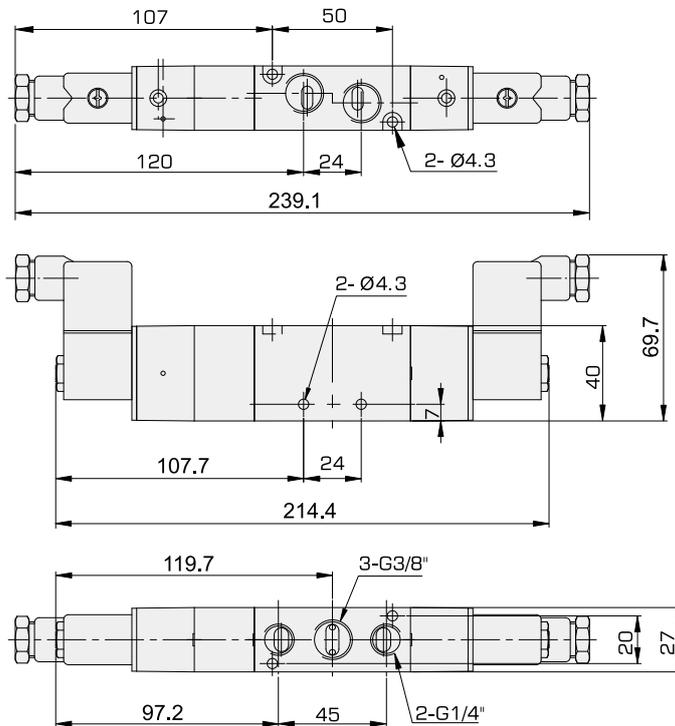
● VE3230 雙線圈



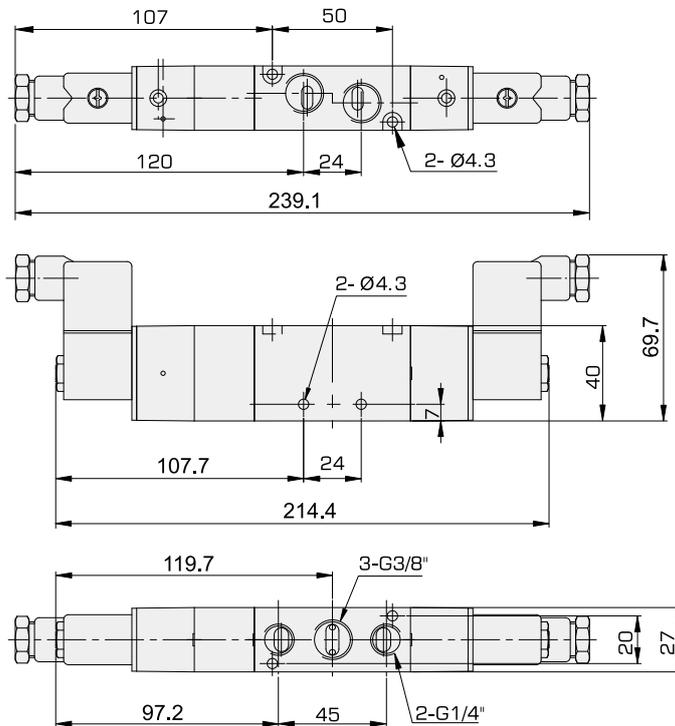
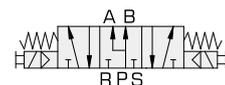
● VE3330 中位關閉



● VE3430 中位開放

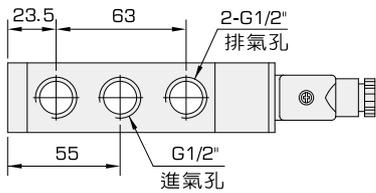
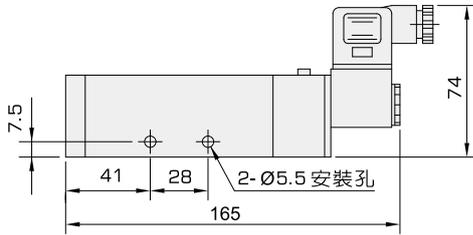
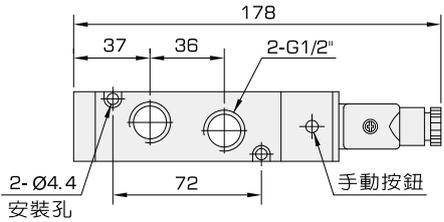
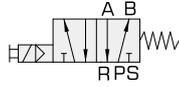


● VE3530 中位壓力

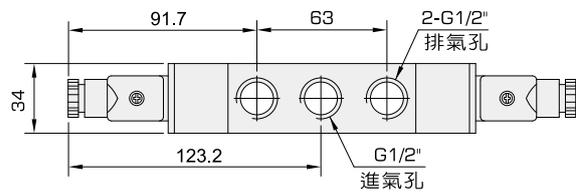
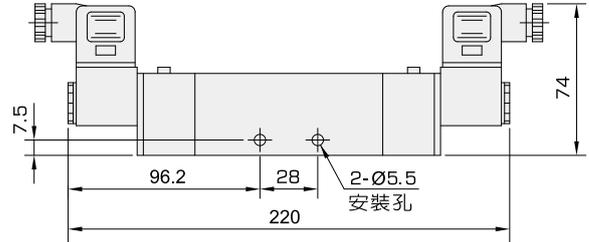
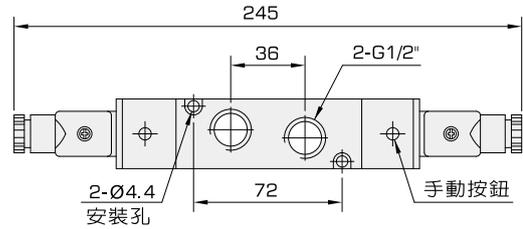
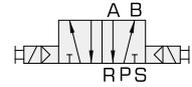


外形尺寸圖

● VE4140 單線圈



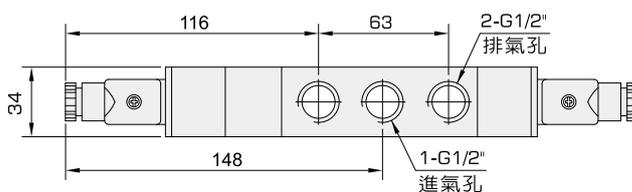
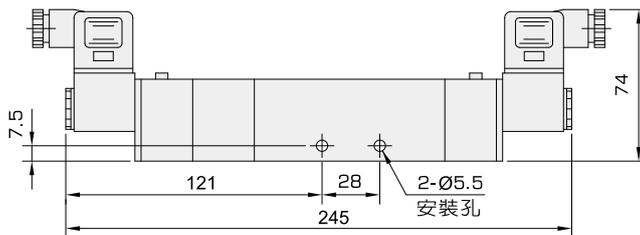
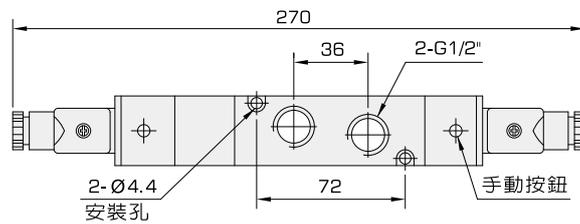
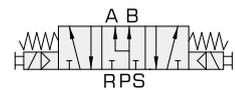
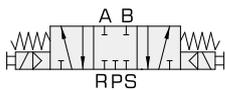
● VE4240 雙線圈



● VE4340 中位關閉

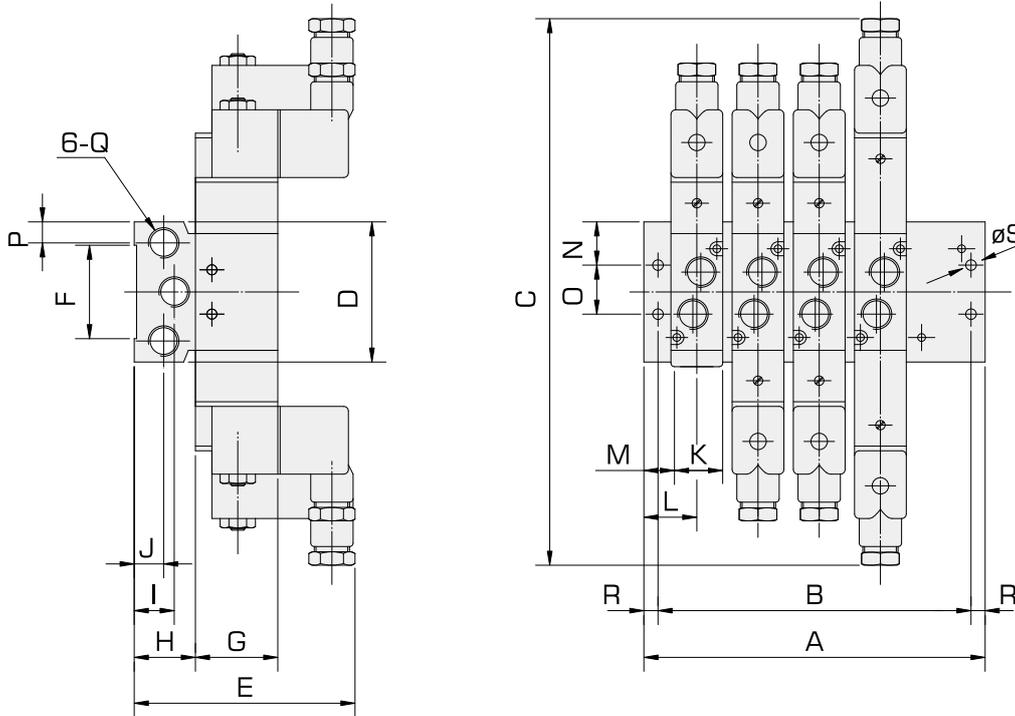
● VE4440 中位開放

● VE4540 中位壓力



#### 連座外形尺寸表

2



系列 連座	VE1		VE2		VE3		VE4	
	A	B	A	B	A	B	A	B
M2	57	47	69	57	87	75	98	84
M3	76	66	92	80	116	104	133	119
M4	95	85	115	103	145	133	168	154
M5	114	104	138	126	174	162	203	189
M6	133	123	161	149	203	191	238	224
M7	152	142	184	172	232	220	273	259
M8	171	161	207	195	261	249	308	294
M9	190	180	230	218	290	278	343	329
M10	209	199	253	241	319	307	378	364

系列	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	ØS
VE1	196.6	58	88.2	36	27	23	14	10	18	19	10	19	20	8.75	G1/4"	5	4.5
VE2	212.9	60	94	42	35	26	16.5	11.5	22	23	12	19	22	9	G1/4"	6	5
VE3	239.1	80	97.2	50	40	27.5	14.5	14.5	27	29	15.5	25.8	28.4	11.5	G3/8"	6	5
VE4	270	100	113	68	50	39	20	20	34	31.25	14.25	34	32	18.5	G1/2"	7	5.5