

Features:

Using advanced coil, low power consumption, fast reaction, durable performance.

10 million operations, long life cycle proof.

Strict leakage test prior to shipment.

Multiple electrical connector with or without light indicator.

Special processing treatment for low friction and better abrasion resistance.

With or without lubrication service.

Available in individual or manifold mounting.



Specifications:

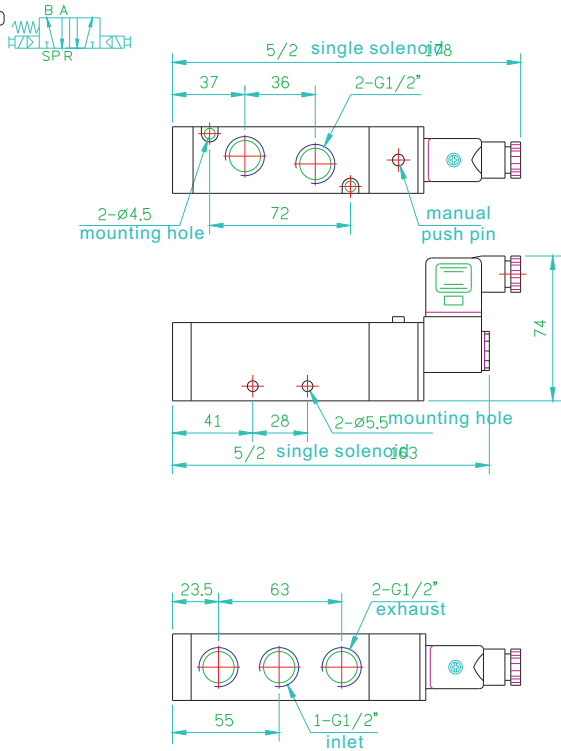
Model	VE4140	VE4240	VE4340	VE4440	VE4540
Symbol					
Ports/Positions	5-port, 2-position	5-port, 2-position	5-port, 3-position	5-port, 3-position	5-port, 3-position
Operator	Single solenoid	Double solenoid	Closed center	Exhaust center	Pressure center
Port size	G 1/2"				
Effective area (CV)	50mm ² (2.8)				
Cylinder range	ø80~ø160mm				
Operating fluid	Air or inert gases				
Lubrication	Non-lube or lube (ISO VG32)				
Pressure range	1.7~8kgf/cm ² (0.17~0.8Mpa)				
Max. Pressure	10kgf/cm ² (1.0Mpa)				
Temp. range	5°~60°C(41~140°F)				
Response time	0.05sec				
Weight (g)	590	770	640	640	640
Rated voltage	AC	110, 220, 240, 50/60HZ			
	DC	12, 24			
Duty cycle	100% ED				
Electrical connection	DIN43650 electrical connector				
Voltage range	Rated voltages ±0%				
Protection	IP65				
Coil insulation	class F				
Temp. range	30°C(86°F)				
Power consumption	AC:7.5VA DC:3W				

How to Order:

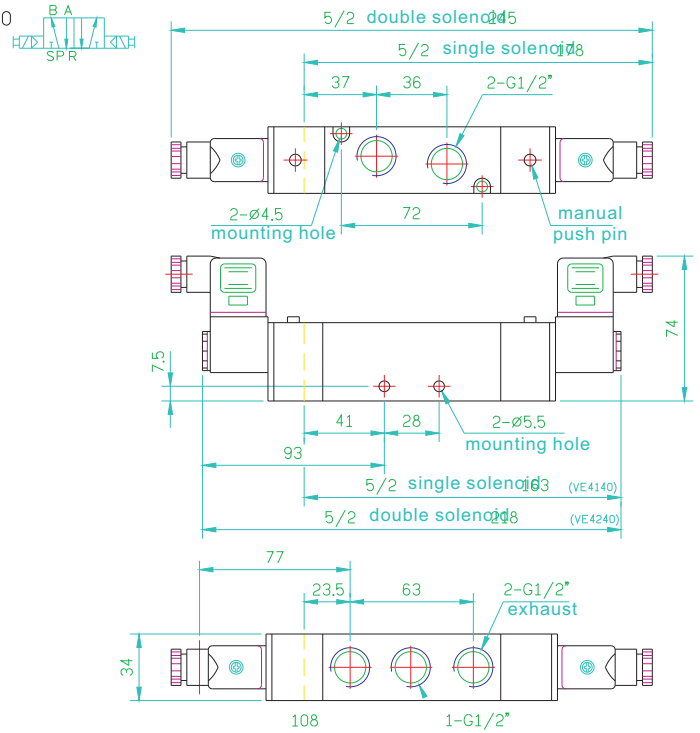
Series	Operation	Size of port	Piping	Standard of voltage	Connector	Manifolds
VE4	1	4	0	A11	L	M2
1	Single solenoid 	G1/2"	0 Without manifold 1 With manifold	A11 AC110V 50/60Hz A22 AC220V 50/60Hz A24 AC240V 50/60Hz D12 DC12V D24 DC24V	None: Standard connector DIN43650 L: Plug connector with lamp DIN43650 S: Plug connector with lamp & surge suppressor DIN43650	M2 M3 M4 M5 M6 M7 M8 M9 M10
2	Double solenoid 					
3	Closed center 					
4	Exhaust center 					
5	Pressure center 					

External Dimensions:

• VE4140



VE4240



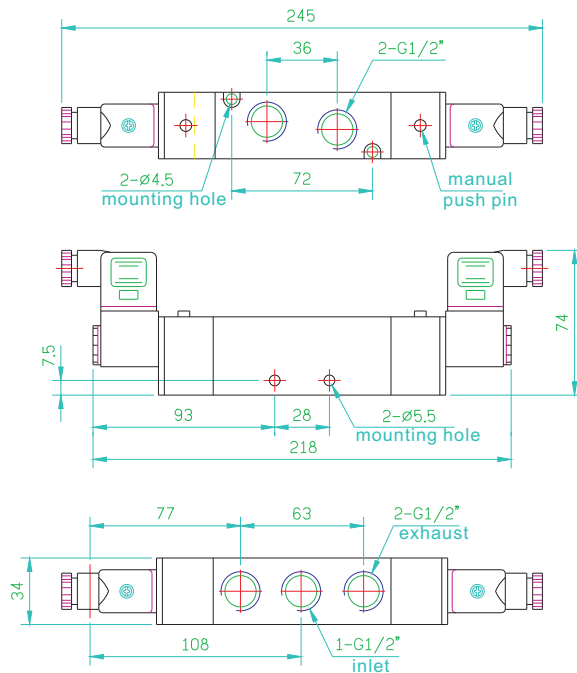
• VE4340



• VE4440

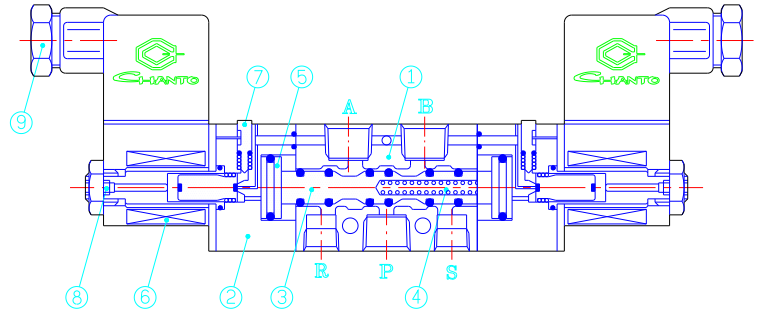
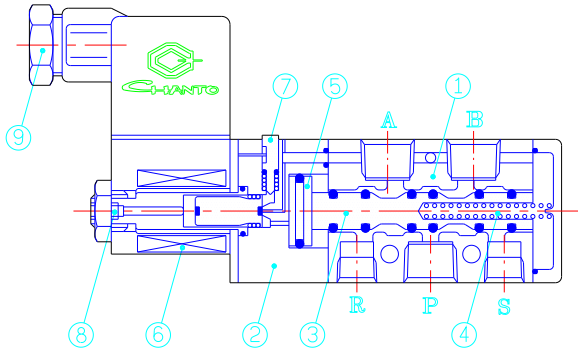


• VE4540

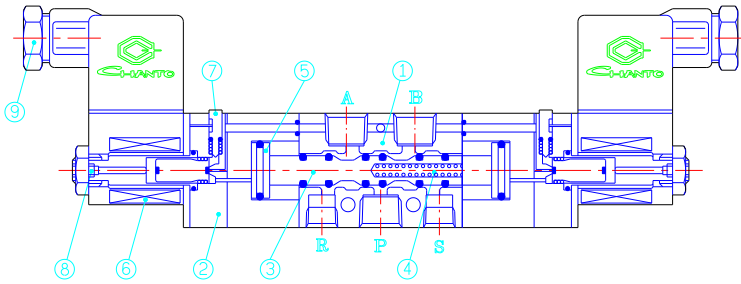


Internal Construction: 2 position Single Solenoid

2 position Double Solenoid



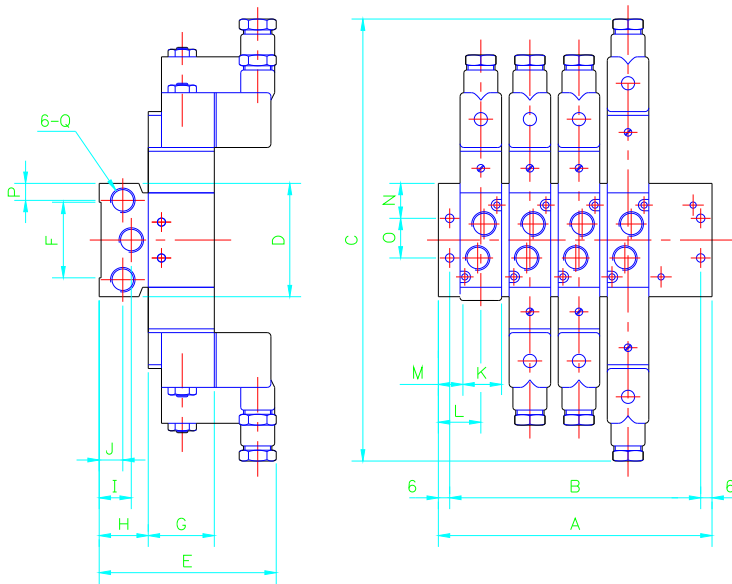
3 Position Double Solenoid



Part lists:

No.	Description	Material	Note
①	Valve body	A6063	Anodized
②	Pilot base	Synthetic resin	Block
③	Spool	A6063	Anodized
④	Air/Spring return	Sus 304	
⑤	Piston	Synthetic resin	
⑥	Coil	Synthetic resin	Block
⑦	Manual push pin	S45C	Electro-plating
⑧	Pilot exhaust	S45C	Electro-plating
⑨	Electrical connector	Synthetic resin	DIN43650

Manifold Dimensions:



Manifolds	VE1		VE2		VE3		VE4	
	A	B	A	B	A	B	A	B
M2	57	47	69	59	87	73	98	85
M3	76	66	92	82	116	102	133	120
M4	95	85	115	105	145	131	168	155
M5	114	104	138	128	174	160	203	190
M6	133	123	161	151	203	189	238	225
M7	152	142	184	174	232	218	273	260
M8	171	161	207	197	261	247	308	295
M9	190	180	230	220	290	276	343	330
M10	209	199	253	243	319	305	378	365

Series	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
VE1	172	58	52	22	27	25	16	11	18	19	10	19	20	9	G1/4"	5
VE2	237	64.5	94	40	35	27	16	12	22	23	11.5	21.2	22	9	G1/4"	5
VE3	255	80	101	57	40	28	15.5	14.5	27	29	14.5	25.8	28.4	11.5	G3/8"	7
VE4	245	100	113	63	40	39	14.5	14.5	34	31.5	14.5	34	32	18.5	G1/2"	6.5