

## Especificaciones 3V

SERIE	3V110-06	3V210-06	3V210-08	3V310-08	3V310-10
FLUIDO	Aire Comprimido (filtrado a 40 micras)				
ACCIONAMIENTO	Internamente Piloteada				
TIPO DE VALVULA	3 vias 2 posiciones				
PRESION DE OPERACION	21 a 114 psi ( 0.15 a .8 Mpa)				
CONEXION	1/8"	1/8"	1/4"	1/4"	3/8"
Minima presion de trabajo	215 psi (1.5 bar)				
Temperatura	-20 a 70 °C				
Tiempo de Activacion	.05 seg. (y por debajo)				
Maxima frecuencia	10 ciclos/seg				
Consumo de Energia	AC 3.5 VA , DC 3.0 W				
Orificio	5.5 mm ( CV=0.31)	12 mm ( CV=0.67)	14 mm ( CV=0.78)	25 mm ( CV=1.39)	30 mm ( CV=1.67)
PROTECCION	IP65 ( DIN40050 )				
VOLTAJES	12 VDC, 24 VDC, 24 VAC , 110 VAC, 220 VAC				
MATERIAL	Aleacion de Aluminio				

# 电磁阀 Solenoid valve / 3V100,3V200,3V300

FORWARD

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FORWARD



- 先导方式：外部与内部可选。  
Pilot—controlled mode optional for internal or external.
- 滑柱式结构，密封性好，反应灵敏。  
Structure in sliding column mode good tightness and sensitive reaction.
- 双线圈电磁阀具有记忆功能。  
Double control solenoid valves have memory function.
- 内孔采用特殊加工工艺，摩擦阻力小，启动压力低，使用寿命长。  
Internal hole adopts special processing technology which has little attrition friction low start pressure and long service life.
- 无需加漆防腐。  
No need to add oil for lubrication.
- 附送手动装置，利于安装调试。  
Affiliated manual devices are equipped to facilitate installation and debugging.
- 有多种标准电压等级可供选择。  
Several standard voltage grades are optional.



规格 Type	
2V	三口二位电磁阀 Solenoid valve(3/2 way)
系列 Series	
1	120 Series
2	200 Series
3	300 Series
电气方式 Valve type	
10	线圈单电控 Single solenoid
20	线圈双电控 Double solenoid
接口尺寸 Port size	
M5	M5
O6	1/8
O8	1/4
O10	3/8
线圈电压 Voltage	
NC	常闭型 Normally closed
NO	常开型 Normally opened
线圈电压 Voltage	
A	AC230V
B	DC24V
C	AC110V
E	AC24V
F	DC12V
电气方式 Electrical entry	
T	DIN插板式 Terminal
I	密封式 Grommet
接口尺寸 Port size	
NPT	NPT
G	G

3V 主要技术参数 General technical data					
型号 Type	3V100-06	3V200-06	3V100-08	3V200-08	3V300-08
工作介质 Fluid	空气 (经40um滤芯过滤) Air (to be filtered by 40um filter element)				
先导方式 Acting	先导式 Internal piloted				
线圈口径 Port size	M5	1/8	进气 + 出气 = 1/8 In+Out=1/8	进气 + 出气 = 1/4 In+Out=1/4	进气 + 出气 = 3/8 In+Out=3/8
有效截面积 Office size	5.5mm <sup>2</sup> (Cv=0.31)	12.0mm <sup>2</sup> (Cv=0.67)	14.0mm <sup>2</sup> (Cv=0.78)	19.0mm <sup>2</sup> (Cv=1.09)	30.0mm <sup>2</sup> (Cv=1.67)
位置数 Valve type	三口二位 3 port 2 position				
使用压力范围 Operating pressure	0-15.0 MPa(21-114Psi)				
保证压力 Proof pressure	1.5MPa(215Psi)				
工作温度 Temperature	-20~70°C				
主体材质 Material of body	铝合金 Aluminum alloy				
润滑 Lubrication	不需要 Not required				
标准电压 Standard voltage	AC230V, AC110V, AC24V, DC24V, DC12V				
使用电压范围 Scope of voltage	AC ± 15%, DC ± 10%				
耗电量 Power consumption	AC 2.5VA, DC 2.5W		AC 3.5VA, DC 3.0W		
保护等级 Protection	IP65(DIN4035)				
防爆等级 Temperature classification	防爆 B Class				
接口形式 Electrical entry	DIN 插板式, 密封式 Terminal, Grommet				
动作时间 Actuating time	0.05秒 and below				
最高动作频率 Max. frequency	3次 / 秒 3 cycle/sec				

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内部结构图 Inner structure

序号 NO.	名称 Item	序号 NO.	名称 Item
1	固定铁片 Fixed plate	12	底盖 Bottom cover
2	手动阀 Manual override	13	密封垫 Seal
3	弹簧 Coilspring	14	线圈罩 Coil winding ring
4	密封圈 Piston O-ring	15	线圈罩 Piston
5	线圈罩 Piston body	16	密封垫 Seal
6	密封圈 Piston O-ring	17	C-冲 Co-ring
7	轴芯 Spool	18	线圈罩 Armature
8	C-冲 O-ring	19	线圈罩 Coil nut
9	线圈 Body	20	固定螺帽 Coil nut
10	弹簧 Spool spring	21	端子 Connector
11	止球盖 Bottom cover gasket		

3V100 尺寸图 Dimensions

3V110 DIN插板式(Terminal)

3V110 出线式(Grommet)

3V120 DIN插板式(Terminal)

3V120 出线式(Grommet)

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3V200 尺寸图 Dimensions

3V210 DIN插板式(Terminal)

3V210 出线式(Grommet)

3V220 DIN插板式(Terminal)

3V220 出线式(Grommet)

3V300 尺寸图 Dimensions

3V310 DIN插板式(Terminal)

3V310 出线式(Grommet)

3V320 DIN插板式(Terminal)

3V320 出线式(Grommet)