

FC 流量比例阀组

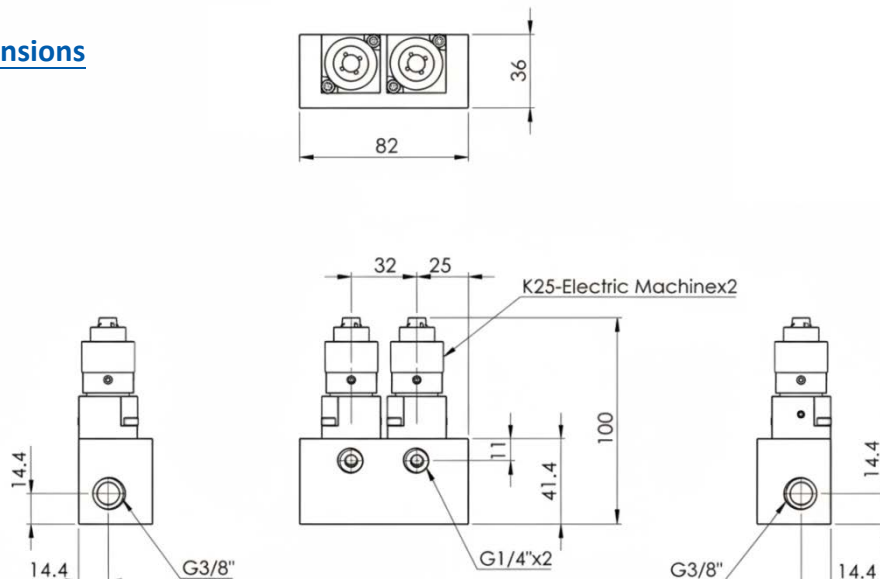
Proportional Flow Control Valve



产品规格 Specifications

型号 Model	FC300-MM2	FC300-MM3	FC300-MM5
阀门类型 Valve Type	两口两位比例式针阀 2-Way Proportional Needle valves		
口径 Port Size	Inlet : G3/8" ; Outlet : G 1/4"		
流体 Medium	真空、惰性气体、油、水...等液体 Vacuum, Compatible gases, oil, water and liquids		
压力范围 Pressure Range	-1~7bar		
流量范围(空气)Flow Range of air	0~400L/min@6bar		
流量范围(水)Flow Range of water	0~8L/min@6bar		
重复精度 Repeatability	±0.1% F.S.		
流量分辨率(空气)Flow Resolution of air	0.3 L/min@3bar		
流量分辨率(水)Flow Resolution of water	0.008L/min@3bar		
温度范围 Temperature Range	-20 ~84° C		
开关时间(全开到全关)Full stroke time	2 sec		
本体材质 Body material	铝合金 Aluminum		
密封件 Seals	本体-铝合金:全 VITON 或 VITON+EPDM Body- Aluminum : All VITON or VITON+EPDM ----- **若用于真空或水，建议搭配 EPDM		
防护等级 Ingress Protection	IP 52		

外观尺寸 Dimensions



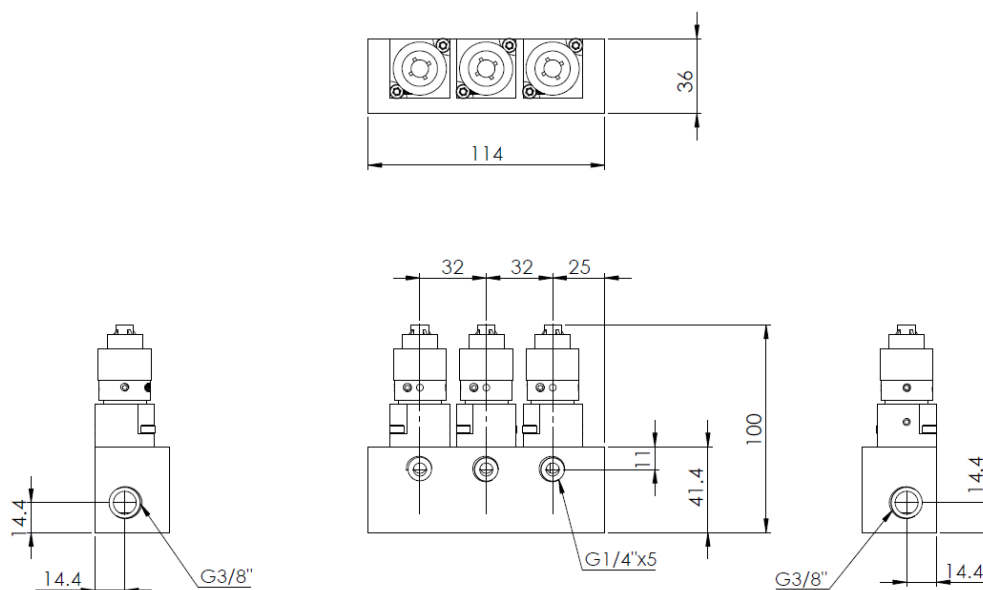
- FC300-MM2 -

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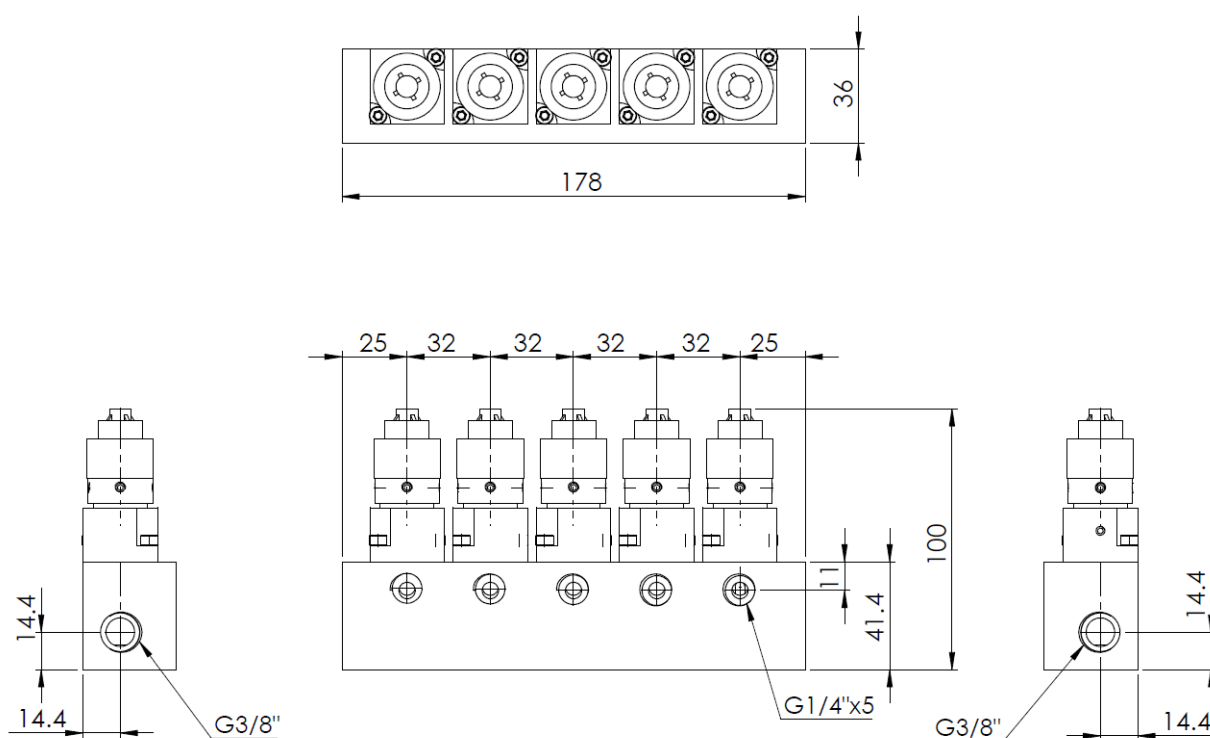
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外观尺寸 Dimensions



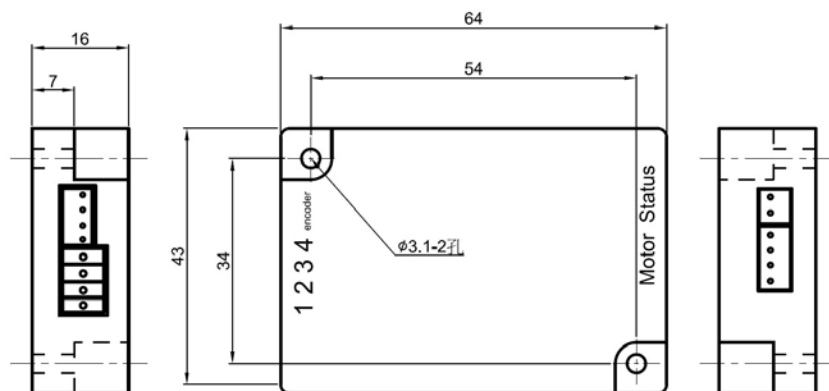
- FC300-MM3 -



- FC300-MM5 -

PM 驱动器

PM Series Proportional Valve Driver



PM 驱动器主要是提供了 FC 比例阀所需要的电源和控制信号(步骤和方向)，并以模拟讯号 (0-10VDC/4-20mA/RS485 Modbus)转换为双极步进马达之步骤控制。

Series PM driver provides series FC valve with the required power and control signal (step and direction). It controls the step of a bipolar stepper motor with an analogue signal (0-10 VDC/4-20mA/RS485 Modbus).

接线方式 Wiring



编号 No.	功能 Function
1	DC24V +
2	DC24V -
3	Signal + 、 RS485 +
4	Signal - 、 RS485-

产品特点 Features

- ◆ 体积小 compact
- ◆ 低成本 low cost
- ◆ 灵敏度高 High sensitive
- ◆ 模拟/数字讯号 Analog / Digital signal
- ◆ 简易控制 easy-control
- ◆ 线性全流量控制

Full scale linearity flow rate control

规格 Specifications

输入讯号 Input signal	0-10V / 4-20mA / RS485
工作电源 Supply	DC24V (≤12W)
指示灯状态 Indicator LED Status	on/off 灯亮表示马达运转(LED on is motor running) on/off 灯熄表示马达停止(LED off is motor stopping) on/off 闪烁表示马达故障(LED flashing is motor error)
马达状态输出 Motor Status output	Sink 50mA
环境温度 Ambient Temp.	0-60°C
线材长度 Cable Length	一米或五米 1 meter or 5 meter