

Proportional Flow Control Valve

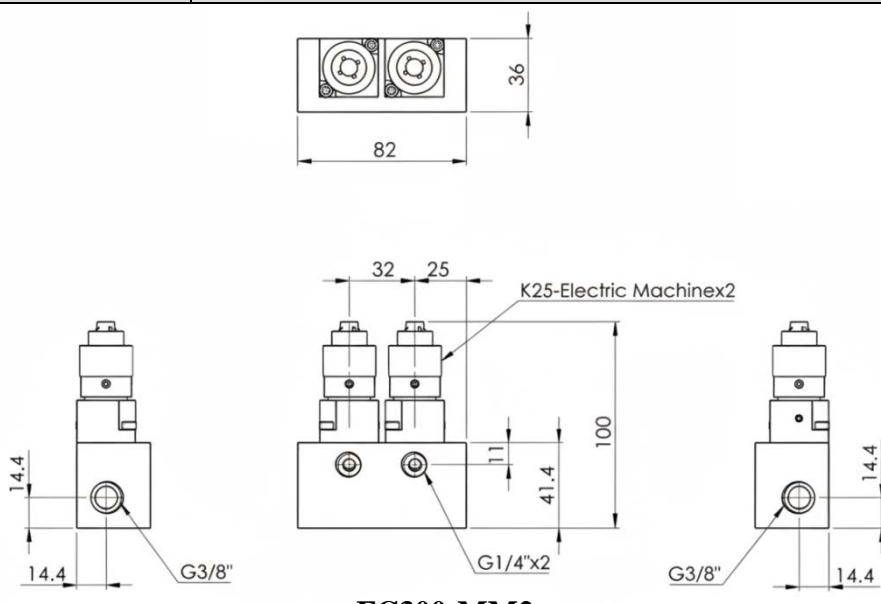
FC300-MM□



Specifications

Model	FC300-MM2	FC300-MM3	FC300-MM5
Valve Type	2-Way Proportional Needle valves		
Port Size	Inlet : G3/8" ; Outlet : G 1/4"		
Medium	Vacuum, Compatible gases, oil, water and liquids		
Pressure Range	-1~7bar		
Flow Range of air	0~400L/min@6bar		
Flow Range of water	0~8L/min@6bar		
Repeatability	±0.1% F.S.		
Flow Resolution of air	0.3 L/min@3bar		
Flow Resolution of water	0.008L/min@3bar		
Temperature Range	-20 ~84°C		
Full stroke time	2 sec		
Body material	Aluminum		
Seals	Body- Aluminum : All VITON or VITON+EPDM		
	** For vacuum or water, it is recommended to choose EPDM.		
Ingress Protection	IP 52		

Dimensions



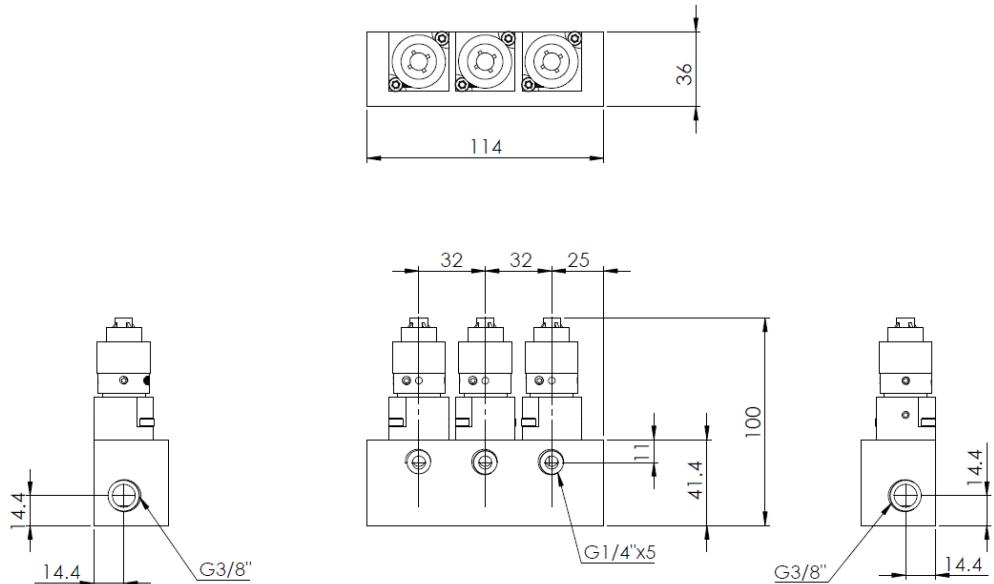
- FC300-MM2 -

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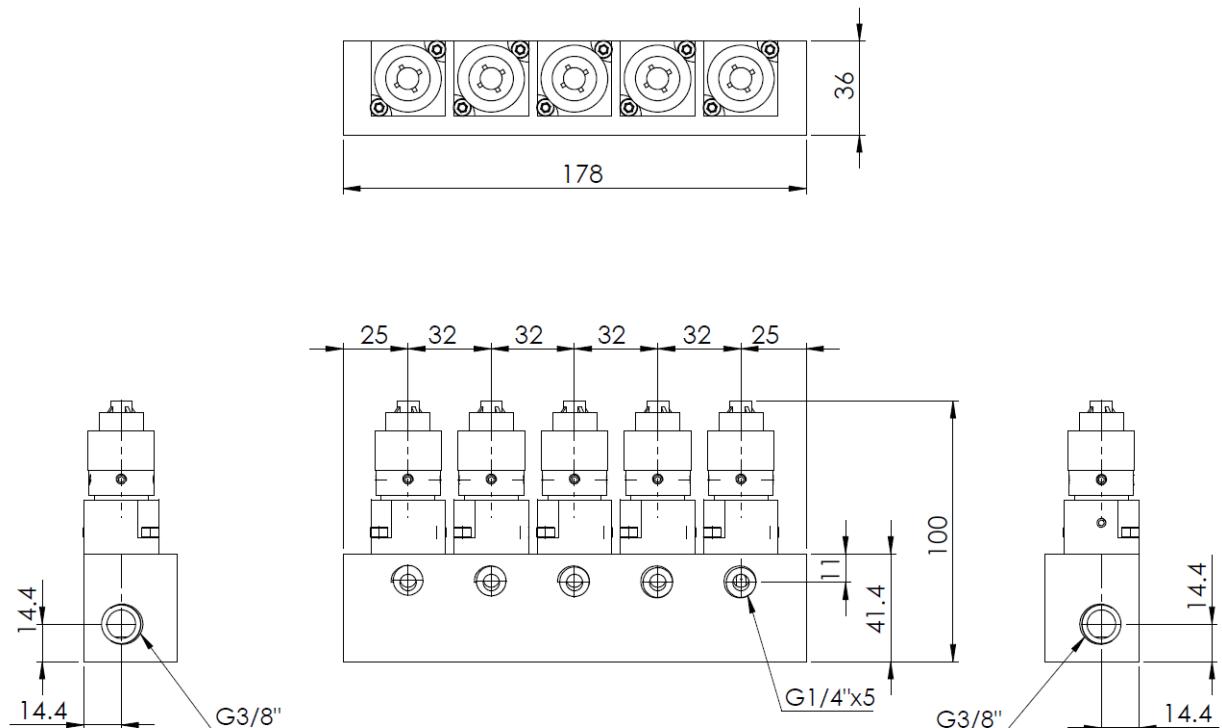
FC300-MM□



Dimensions



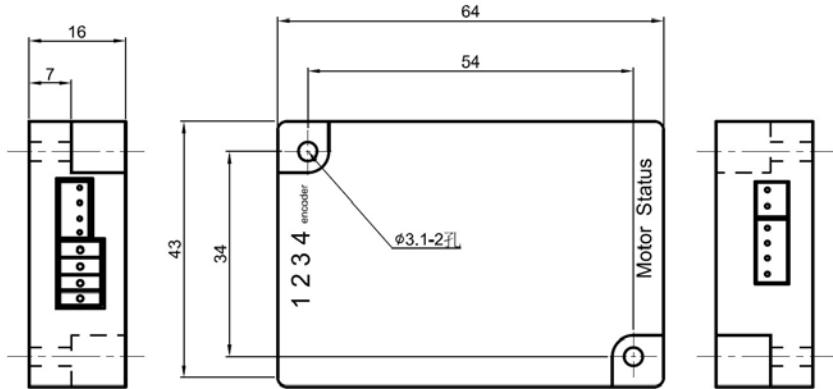
- FC300-MM3 -



- FC300-MM5 -

Proportional Valve Driver

PM Series



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).

Wiring



No.	Function
1	DC24V +
2	DC24V -
3	Signal + ` RS485 +
4	Signal - ` RS485-

Features

- ♦ Compact
- ♦ Low cost
- ♦ High sensitive
- ♦ Analog / Digital signal
- ♦ Easy-control
- ♦ Full scale linearity flow rate control

Specifications

Input signal	0-10V / 4-20mA / RS485
Supply	DC24V (\leq 12W)
Indicator LED Status	on/off LED on is motor running on/off LED off is motor stopping on/off LED flashing is motor error
Motor Status output	Sink 50mA
Ambient Temp.	0-60°C
Cable Length	1 meter or 5 meter