

SF1000. M5

"F" FLEXIBLE Series

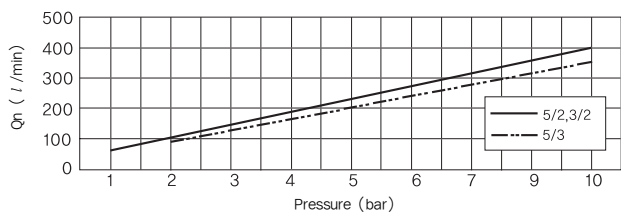
Solenoid / Pneumatic Valves

- 5/2, 5/3, 3/2 - M5
- 15mm Body Width
- Transition Flow 200ℓ/min (5bar)

SPECIFICATION

ITEM	FUNCTION	SOLENOID, PNEUMATIC	
		5, 3 Port 2 Position	5 Port 3 Position
Fluids		Compressed Air & Inert Gases	
Pressure(bar)		1.5~10.0	2.0~10.0
Eff. Section Area(mm ²)-5bar		3.6	3.0
Ambient & Fluid Temp.		5~60°C (41~140°F)	
Response Time(5bar)		25ms or Less	35ms or Less
Max. Working Frequency		5c/sec	3c/sec
Lubrication		Not Required(Use ISO VG32 #)	
Manual Override		Push Button(Standard), Lever Lock(Option)	
Coil Insulation Class		F-Class or Equivalent	
Permissible Voltage Variation		±10% of Rated Voltage	
Off Min. Residual Voltage		AC:20% or Less / DC:10% or Less	
Power Consumption		Holding-AC:3.5VA(60Hz) / DC:2.5W	

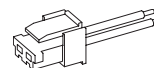
Transition Capacity Graph



The Material of Parts

- Valve Body : Die-Cast Aluminium
- Pilot Parts : Glass Filled Nylon
- Spool : Aluminium
- Armature : Stainless Steel
- Seals : NBR
- Armature Seals : Viton
- Spring : Stainless
- Cap : Zinc Pressure Die-Cast

Plug Connector With Clip



Ordering Code

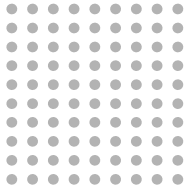
PG2-06 (L : 600mm)
PG2-10 (L : 1,000mm)

※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.

ORDERING NO.

SF1 1 0 1 - I P - SC1 - CN1 - A2

Valve Series	Function	Port Size & Thread	Return Method	Int/Ext. Pilot	Manual Operator	Solenoid Coil Type	Connector Type	Voltage
SF1 : Solenoid Valve	1 5/2 Single 2 5/2 Double 3 5/3 Closed Center	0 M5×0.8 1 10-32 UNF	0 None 1 Air + Spring 2 Air 3 Spring	I Internal Pilot	0 None P Push Non-Locking L Lever Locking	0 None SC1 3 Pin Connector Coil SG1 Grommet/Flying Leads	0 None CN1 Normal Connector CD1 Connector With LED	0 None A2 AC 220V A1 AC 110V
SFP1 : Pneumatic Valve	4 5/3 Open Center 5 5/3 Pressure Center 6 3/2 Normally Closed 7 3/2 Normally Open					SD1 Grommet/Flying Leads With LED SL1 90 Degree Plug-in Wire Assembly With LED SM1 180 Degree Plug-in Wire Assembly With LED	CZ1 Connector With LED & Surge Suppressor	A4 AC 24V D4 DC 24V D2 DC 12V

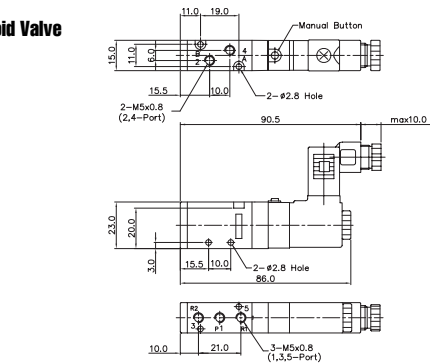
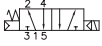


Solenoid & Pilot Actuated Spool Valves

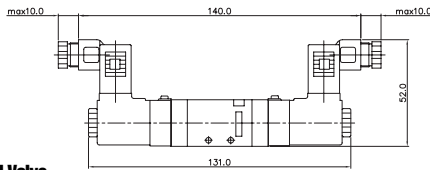
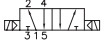
Port Thread **M5×0.8**

5Port 2Position Solenoid Valve

Single Solenoid
SF1101-IP-SC1-CN1-***

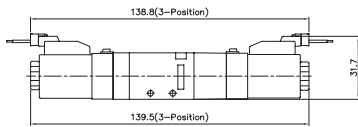
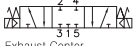


Double Solenoid
SF1200-IP-SC1-CN1-***

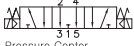


5Port 3Position Solenoid Valve

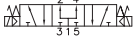
Closed Center
SF1303-IP-SM1-***



Exhaust Center
SF1403-IP-SM1-***

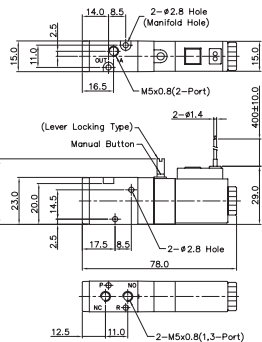


Pressure Center
SF1503-IP-SM1-***



3Port 2Position Solenoid Valve

Normally Closed
SF1601-IP-SD1-***

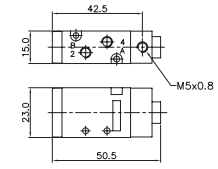
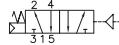


Normally Open
SF1701-IP-SD1-***

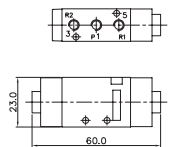
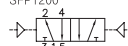


5Port 2Position Pneumatic Valve

Single Pneumatic
SFP1101

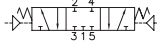


Double Pneumatic
SFP1200

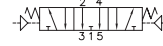


5Port 3Position Pneumatic Valve

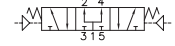
Closed Center
SFP1303



Exhaust Center
SFP1403

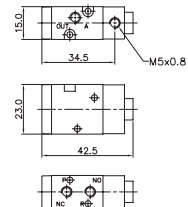
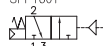


Pressure Center
SFP1503

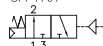


3Port 2Position Pneumatic Valve

Normally Closed
SFP1601



Normally Open
SFP1701

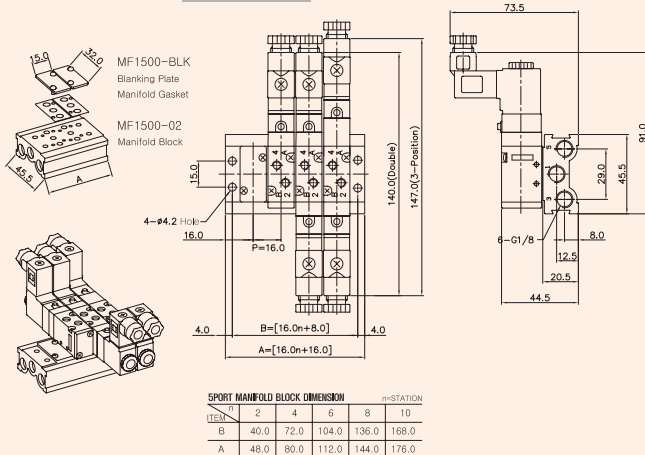


MF1000 MANIFOLD BLOCK

(SF1000 Solenoid & Pneumatic Valve Use)

5-Port Manifold Block

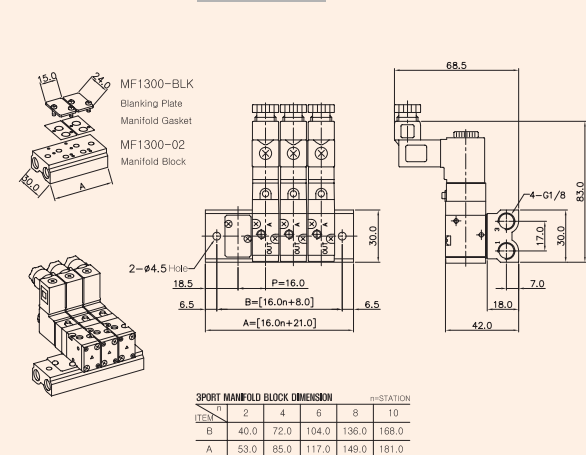
MF1500-4



SPORT MANIFOLD BLOCK DIMENSION		n-STATION					
ITEM	n	2	4	6	8	10	
B		40.0	72.0	104.0	136.0	168.0	
A		48.0	80.0	112.0	144.0	176.0	

3-Port Manifold Block

MF1300-4



SPORT MANIFOLD BLOCK DIMENSION		n-STATION					
ITEM	n	2	4	6	8	10	
B		40.0	72.0	104.0	136.0	168.0	
A		53.0	85.0	117.0	149.0	181.0	

Manifold Block Ordering Code

MF 1500		2	
Series		Manifold Station	
MF1500	5 Way	02	2-Station
MF1300	3 Way	04	4-Station
		06	6-Station
		08	8-Station
		10	10-Station

Blanking Plate Ordering Code

MF1500-BLK	Blanking Plate. (Material : SCP1)
	Manifold Gasket. (Material : NBR)
MF1500-BLK	Blanking Plate. (Material : SCP1)
	Manifold Gasket. (Material : NBR)