

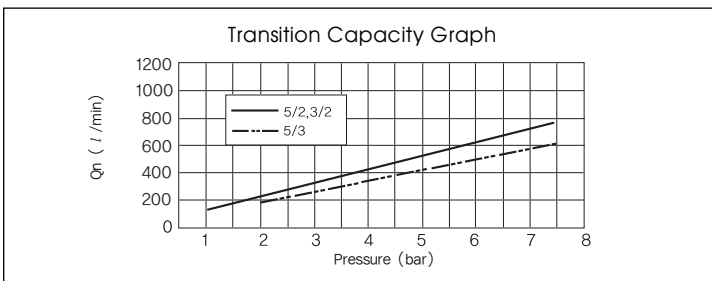
SC300. 1/8

"C" COMPACT Series
Solenoid / Pneumatic Valves

- 5/2, 5/3-1/8, 3/2-M5 ■ 15mm Body Width
- Manifold or Sub-Base Type
- High Efficiency, Space Economy Type
- Transition Flow 500ℓ/min (5bar)

SPECIFICATION

ITEM	SERIES	SOLENOID, PNEUMATIC	
		FUNCTION	
		5, 3Port 2Position	5Port 3Position
Fluids		Compressed Air & Inert Gases	
Pressure(bar)		1.5~7.0	2.0~7.0
Eff. Sectional Area(mm ²)-5bar		9.0	7.5
Ambient & Fluid Temp.		5~60°C (41~140°F)	
Response Time(5bar)		25ms or Less	35ms or Less
Max. Working Frequency		8c/sec	5c/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		DC:10% or Less	
Power Consumption(DC)		Holding-DC: 0.65W (24V:27.0mA/12V:54.0mA)	



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

Port Plate Ordering Code (Material : Zinc)

SC300-F5
5Port G1/8 Bottom Port Plate

SC300-FC5
5-Port #6 One-Touch Fitting

SC300-E
External Plate

SC300-F3
3Port G1/8 Bottom Port Plate

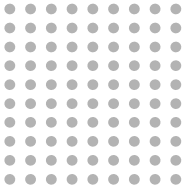
SC300-FC3
3-Port #6 One-Touch Fitting

* 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.

SC3 1 1 D - F5 - P - L - D4

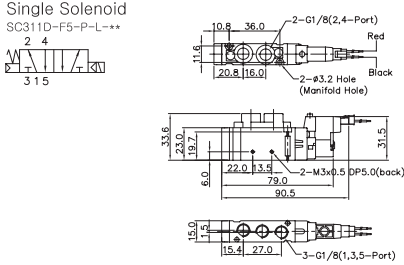
Valve Series	Function	Return Method	Port Type	Port Plate & Thread	Manual Operator	Solenoid Coil Type	Voltage
SC3 : Solenoid Valve	1 5/2 Single	0 None	D Manifold	0 None	0 None	0 None	0 None
	2 5/2 Double	1 Air + Spring	B Sub-Base	F5 5-Port G1/8	P Push Non-Locking	L 90 Degree Plug-in Wire Assembly with LED	D4 DC 24V
	3 5/3 Closed Center	2 Air		F3 3-Port G1/8	L Lever Locking	M 180 Degree Plug-in Wire Assembly with LED	D2 DC 12V
SCP3 : Pneumatic Valve	4 5/3 Open Center	3 Spring		FN5 5-Port NPT1/8			
	5 5/3 Pressure Center			FN3 3-Port NPT1/8			
	6 3/2 Normally Closed			FC5 5-Port #6 One-Touch Fitting			
	7 3/2 Normally Open			FC3 3-Port #6 One-Touch Fitting			
				E External End Plate, Plate M5×0.8			



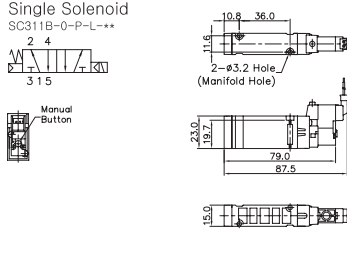
Solenoid & Pilot Actuated Spool Valves

Port Thread 1/8, M5

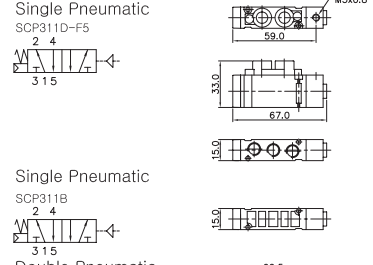
5Port 2Position Solenoid Valve (Manifold)



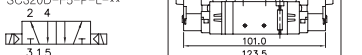
5Port 2Position Solenoid Valve (Sub-Base)



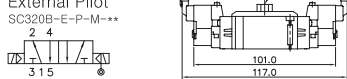
5Port 2Position Pneumatic Valve



Double Solenoid



Double Solenoid External Pilot



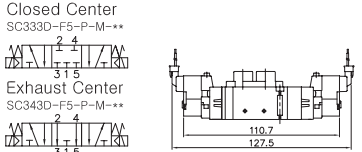
Single Pneumatic



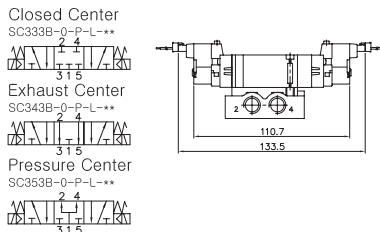
Double Pneumatic



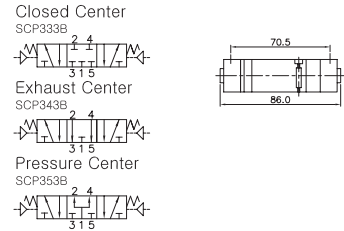
5Port 3Position Solenoid Valve (Manifold)



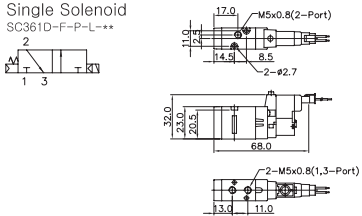
5Port 3Position Solenoid Valve (Sub-Base)



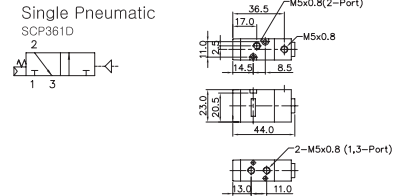
5Port 3Position Pneumatic Valve



3Port 2Position Solenoid Valve (Manifold)



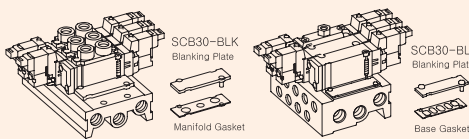
3Port 2Position Pneumatic Valve



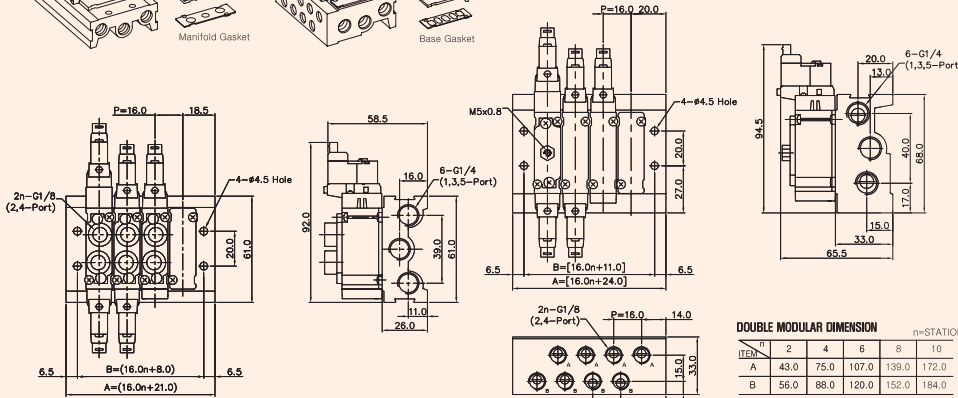
SCB30 SINGLE, DOUBLE MANIFOLD BLOCK

(SC300 Solenoid & Pneumatic Valve Use)

Manifold Block Dimension



Double Modular Manifold Block Dimension

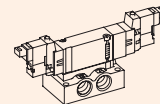


Manifold Ordering Code

SCB3 1 - D - M04

Series	Port & Thread	Function	Manifold Station
SCB3	0	None	M02
SC300 Solenoid Valve	1	G	M04
	2	NPT	M06
		None	M08
		Single Station Sub Base, 1/4 Port Without Pilot Ports	M10
		1/4 Port	
		Double Modular Manifold Block, 1/8 Port	
		Double Modular Manifold Block, 3/8 Fitting	
		Manifold, Port 1/8(3/2Way)	

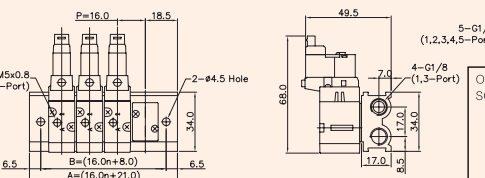
Single Station Sub Base Dimension (SCB31-S)



5PORT MANIFOLD BLOCK DIMENSION n=STATION

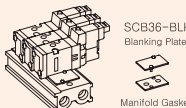
ITEM	n	2	4	6	8	10
A		40.0	72.0	104.0	136.0	168.0
B		53.0	85.0	117.0	149.0	181.0

Manifold Block Dimension



3PORT MANIFOLD BLOCK DIMENSION n=STATION

ITEM	n	2	4	6	8	10
A		40.0	72.0	104.0	136.0	168.0
B		53.0	85.0	117.0	149.0	181.0



Ordering Code
SCB36-BLK

- Blanking Plate (Material: STS304)
- Manifold Gasket (Material: NBR)

Ordering Code
SCB30-BLK

- Blanking Plate (Material: STS304)
- Manifold Gasket (Material: NBR)
- Base Gasket (Material: NBR)