

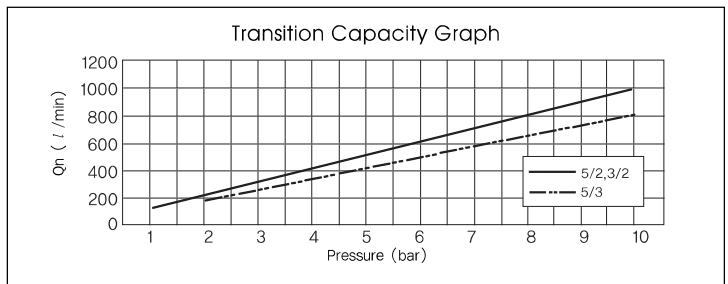
# SCE300.1/8

"E" ECONOMY Series  
Solenoid / Pneumatic Valves

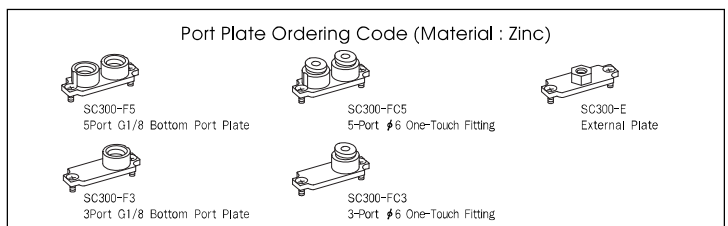
- 5/2, 5/3-1/8, 3/2-M5 ■ 15mm Body Width
- Manifold or Sub-Base Type
- High Efficiency, Expense Reduction Type
- Transition Flow 500ℓ/min (5bar)

## SPECIFICATION

ITEM	SERIES	SOLENOID, PNEUMATIC	
		FUNCTION	
		5, 3Port 2Postion	5Port 3Postion
Fluids		Compressed Air & Inert Gases	
Pressure(bar)		1.5~10.0	2.0~10.0
Eff. Sectional Area(mm <sup>2</sup> )-5bar		9.5	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		AC:20% or Less / DC:10% or Less	
Power Consumption		Holding-AC:3.5VA(60Hz) / DC:2.5W	



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



※ 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.

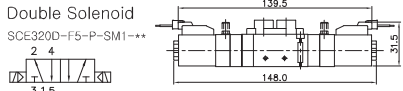
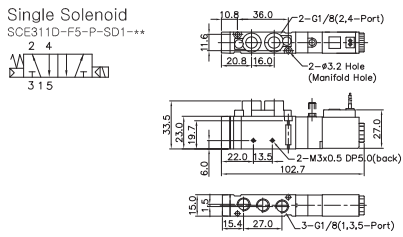
**SCE3 1 1 D - F5 - P - SC1 - CN1 - D4**

Valve Series	Function	Return Method	Port Type	Port Plate & Thread	Manual Operator	Solenoid Coil Type	Connector Type	Voltage	
SCE3 : Solenoid Valve	1	5/2 Single	0	None	D	Manifold	0	None	
	2	5/2 Double	1	Air + Spring	B	Sub-Base	CN1	Normal Connector	
	3	5/3 Closed Center	2	Air	F3	3-Port G1/8	CD1	Connector With LED	
	4	5/3 Open Center	3	Spring	FN5	5-Port NPT1/8	CZ1	Connector With LED & Surge Suppressor	
SCEP3 : Pneumatic Valve	5	5/3 Pressure Center			FN3	3-Port NPT1/8		A1	AC 110V
	6	3/2 Normally Closed			FC5	5-Port #6 One-Touch Fitting		A4	AC 24V
	7	3/2 Normally Open			FC3	3-Port #6 One-Touch Fitting		D4	DC 24V
					E	External End Plate, Plate M5×0.8		D2	DC 12V
							SM1	180 Degree Plug-in Wire Assembly with LED	

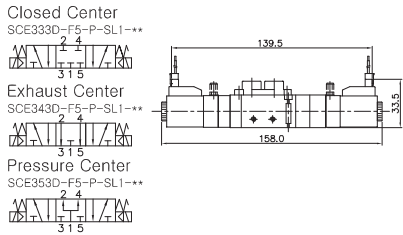
# Solenoid & Pilot Actuated Spool Valves

# Port Thread 1/8, M5

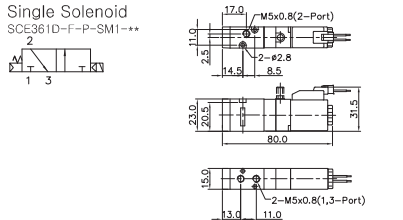
## 5Port 2Position Solenoid Valve (Manifold)



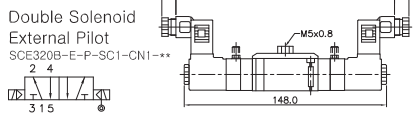
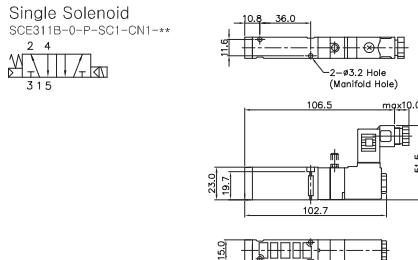
## 5Port 3Position Solenoid Valve (Manifold)



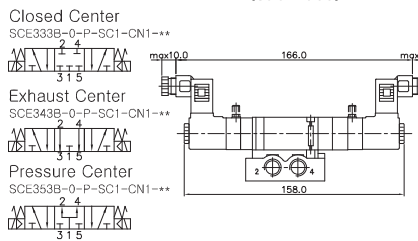
## 3Port 2Position Solenoid Valve (Manifold)



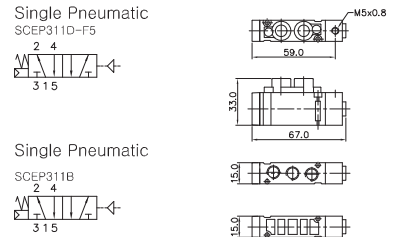
## 5Port 2Position Solenoid Valve (Sub-Base)



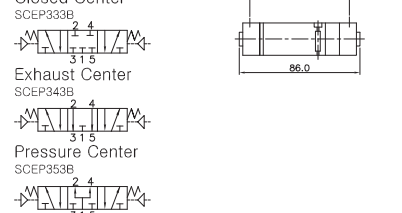
## 5Port 3Position Solenoid Valve (Sub-Base)



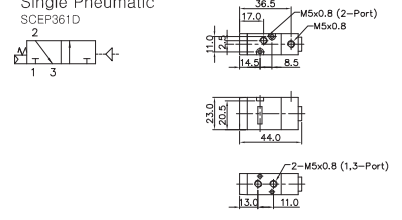
## 5Port 2Position Pneumatic Valve



## 5Port 3Position Pneumatic Valve



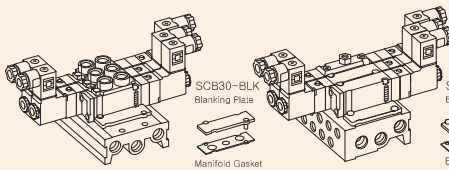
## 3Port 2Position Pneumatic Valve



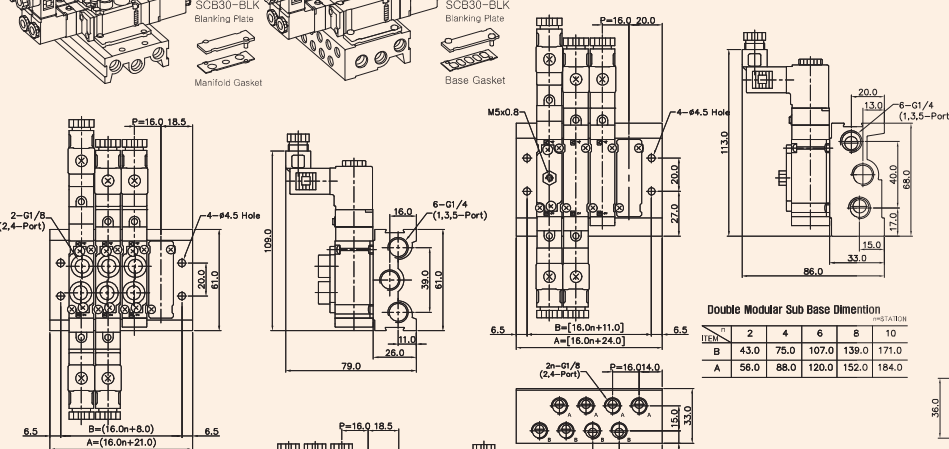
# SCB30 SINGLE, DOUBLE MANIFOLD BLOCK

(SCE300 Solenoid & Pneumatic Valve Use)

## Manifold Block Dimension



## Double Modular Manifold Block Dimension

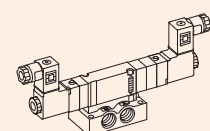


## Manifold Ordering Code

SCB3 1 - D - M04

Series	Port & Thread	Function	Manifold Station
SCB3	0 None	0 None	M02 2-Station
SC300 Solenoid Valve	1 G	S Single Station Sub Base, 1/4 Port Without Pilot Ports	M04 4-Station
	2 NPT	D Manifold, Port 1/4	M06 6-Station
		DB Double Modular Manifold Block, 1/8 Port	M08 8-Station
		DC6 Double Modular Manifold Block, Ø6 Fitting	M10 10-Station
		D3 Manifold, Port 1/8 (3/2Way)	

## Single Station Sub Base Dimension (SCB31-S)



Double Modular Sub Base Dimension

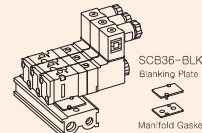
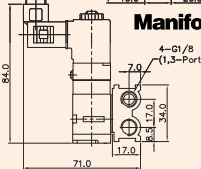
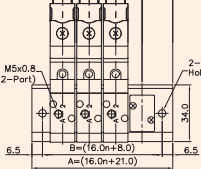
ITEM	2	4	6	8	10
B	43.0	75.0	107.0	139.0	171.0
A	56.0	88.0	120.0	152.0	184.0

5Port Manifold Block Dimension

ITEM	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

3Port Manifold Block Dimension

ITEM	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



Ordering code	Ordering Code
SCB36-BLK	SCB30-BLK
Blanking Plate (Material : STS304)	Blanking Plate (Material : STS304)
Manifold Gasket (Material : NBR)	Manifold Gasket (Material : NBR)

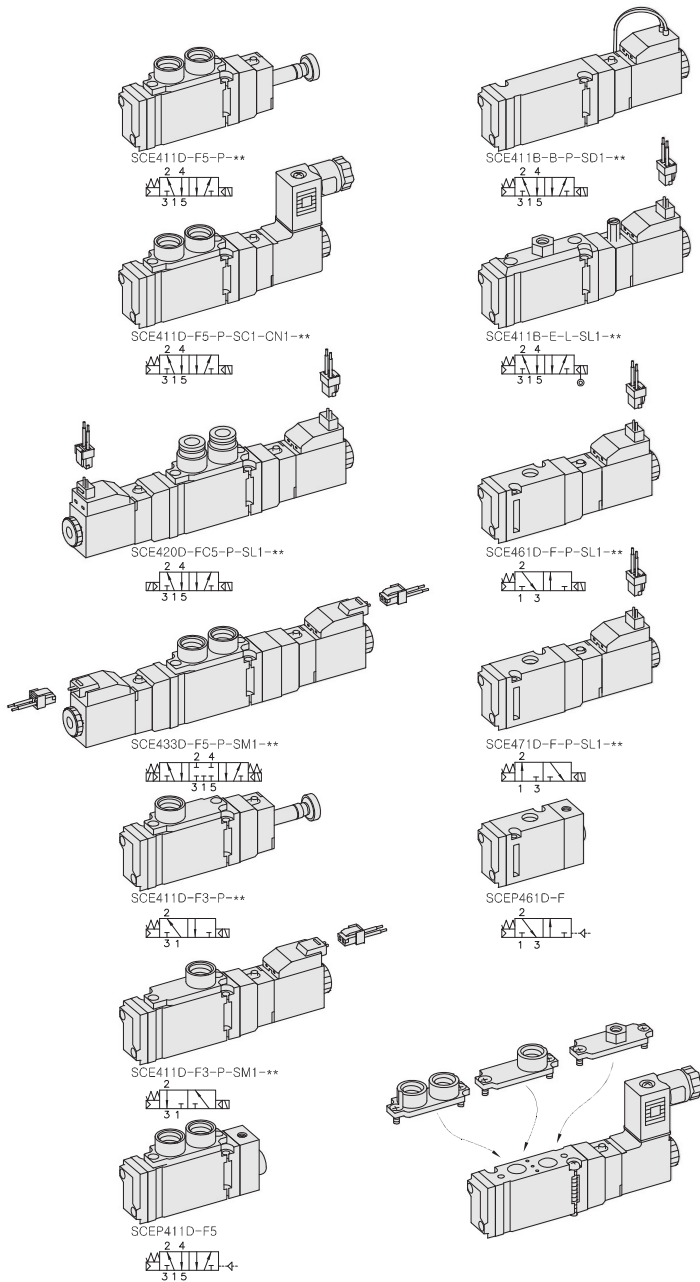
# SCE400.1/4

"E" ECONOMY Series  
Solenoid / Pneumatic Valves

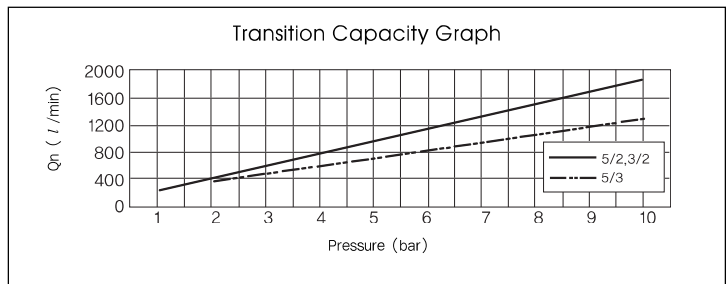
- 5/2, 5/3-1/4, 3/2-1/8 ■ 18mm Body Width
- Manifold or Sub-Base Type
- High Efficiency, Expense Reduction Type
- Transition Flow 900ℓ/min (5bar)

## SPECIFICATION

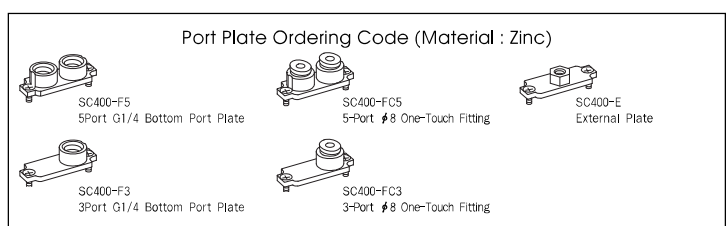
ITEM	SERIES	SOLENOID, PNEUMATIC	
		5, 3Port 2Postion	5Port 3Postion
Fluids		Compressed Air & Inert Gases	
Pressure(bar)		1.5~10.0	2.0~10.0
Eff. Sectional Area(mm <sup>2</sup> )-5bar		16.0	12.0
Ambient & Fluid Temp.		5~60°C (41~140°F)	
Response Time(5bar)		25ms or Less	35ms or Less
Max. Working Frequency		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	



\*\* : Voltage Selection (see page 80)



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



\* 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.

**SCE4 1 1 D - F5 - P - SC1 - CN1 - D4**

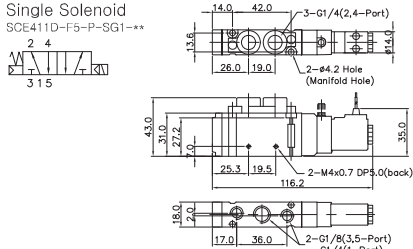
Valve Series	Function	Return Method	Port Type	Port Plate & Thread	Manual Operator	Solenoid Coil Type	Connector Type	Voltage
SCE4 : Solenoid Valve	1	5/2 Single	0	None	0	None	0	None
	2	5/2 Double	1	Air+Spring	F5	5-Port G1/4	CN1	Normal Connector
	3	5/3 Closed Center	2	Air	F3	3-Port G1/4	SG1	Grommet/Flying Leads
SCEP4 : Pneumatic Valve	4	5/3 Open Center	2	Air	FN5	5-Port NPT1/4	SD1	Grommet/Flying Leads With LED
	5	5/3 Pressure Center	3	Spring	FN3	3-Port NPT1/4	SL1	90 Degree Plug-in Wire Assembly with LED
	6	3/2 Normally Closed			FC5	5-Port #8 One-Touch Fitting		
	7	3/2 Normally Open			FC3	3-Port #8 One-Touch Fitting		
				E	External End Plate, Plate M5×0.8	SM1	180 Degree Plug-in Wire Assembly with LED	

# Solenoid & Pilot Actuated Spool Valves

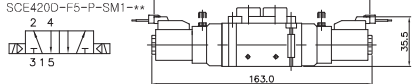
## Port Thread 1/4, 1/8

### 5Port 2Position Solenoid Valve (Manifold)

Single Solenoid  
SCE411D-F5-P-SG1-\*\*\*



Double Solenoid  
SCE420D-F5-P-SM1-\*\*\*



### 5Port 3Position Solenoid Valve (Manifold)

Closed Center  
SCE433D-F5-P-SL1-\*\*\*



Exhaust Center  
SCE443D-F5-P-SL1-\*\*\*

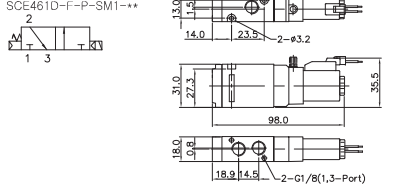


Pressure Center  
SCE453D-F5-P-SL1-\*\*\*



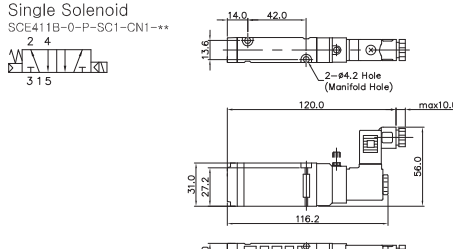
### 3Port 2Position Solenoid Valve (Manifold)

Single Solenoid  
SCE461D-F5-P-SM1-\*\*\*

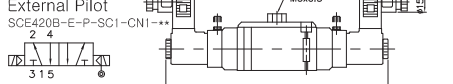


### 5Port 2Position Solenoid Valve (Sub-Base)

Single Solenoid  
SCE411B-0-P-SC1-CN1-\*\*\*



Double Solenoid  
External Pilot  
SCE420B-E-P-SC1-CN1-\*\*\*



### 5Port 3Position Solenoid Valve (Sub-Base)

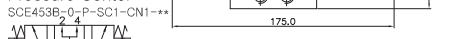
Closed Center  
SCE433B-0-P-SC1-CN1-\*\*\*



Exhaust Center  
SCE443B-0-P-SC1-CN1-\*\*\*

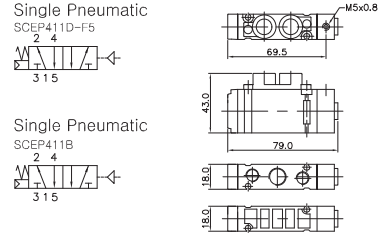


Pressure Center  
SCE453B-0-P-SC1-CN1-\*\*\*

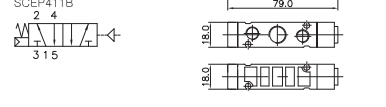


### 5Port 2Position Pneumatic Valve

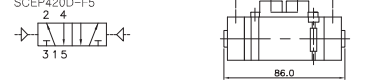
Single Pneumatic  
SCEP411D-F5



Single Pneumatic  
SCEP411B



Double Pneumatic  
SCEP420D-F5



### 5Port 3Position Pneumatic Valve

Closed Center  
SCEP433B



Exhaust Center  
SCEP443B

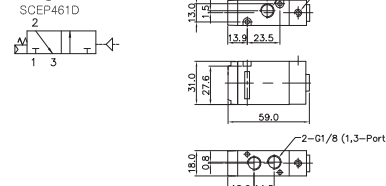


Pressure Center  
SCEP453B



### 3Port 2Position Pneumatic Valve

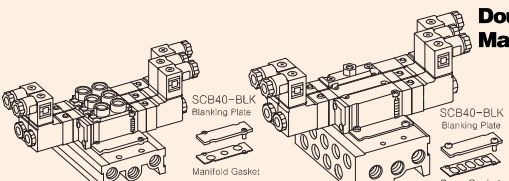
Single Pneumatic  
SCEP461D



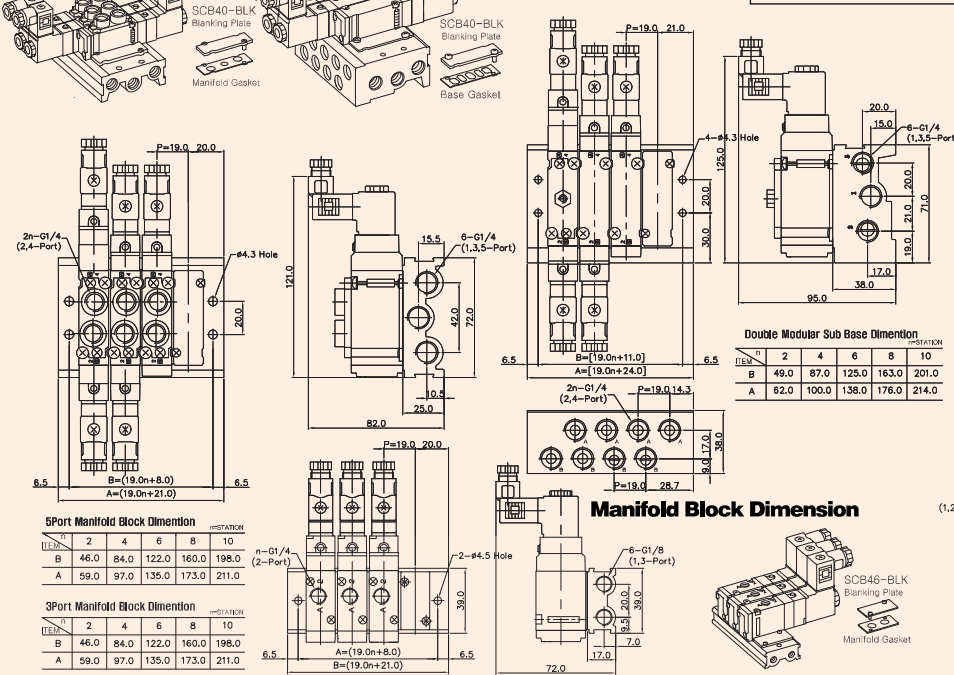
## SCB40 SINGLE, DOUBLE MANIFOLD BLOCK

(SCE400 Solenoid & Pneumatic Valve Use)

### Manifold Block Dimension



### Double Modular Manifold Block Dimension



**5Port Manifold Block Dimension**

ITEM	2	4	6	8	10
B	46.0	84.0	122.0	160.0	198.0
A	59.0	97.0	135.0	173.0	211.0

**3Port Manifold Block Dimension**

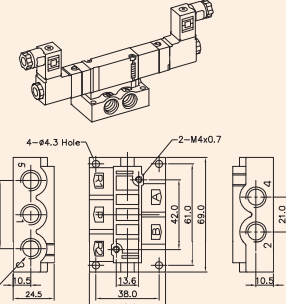
ITEM	2	4	6	8	10
B	46.0	84.0	122.0	160.0	198.0
A	59.0	97.0	135.0	173.0	211.0

### Manifold Ordering Code

SCB4 1 - D - M04

Series	Port & Thread	Function	Manifold Station
SCB4	0 None	0 None	M02 2-Station
SC400 Solenoid Valve	1 G	S Single Station Sub Base, 1/4 Port Without Pilot Ports	M04 4-Station
	2 NPT	D Manifold, Port 1/4	M06 6-Station
		DB Double Modular Manifold Block, 1/4 Port	M08 8-Station
		DC8 Double Modular Manifold Block, Ø 8 Fitting	M10 10-Station
		D3 Manifold, Port 1/8 (3/2Way)	

### Single Station Sub Base Dimension (SCB41-S)



**Double Modular Sub Base Dimension**

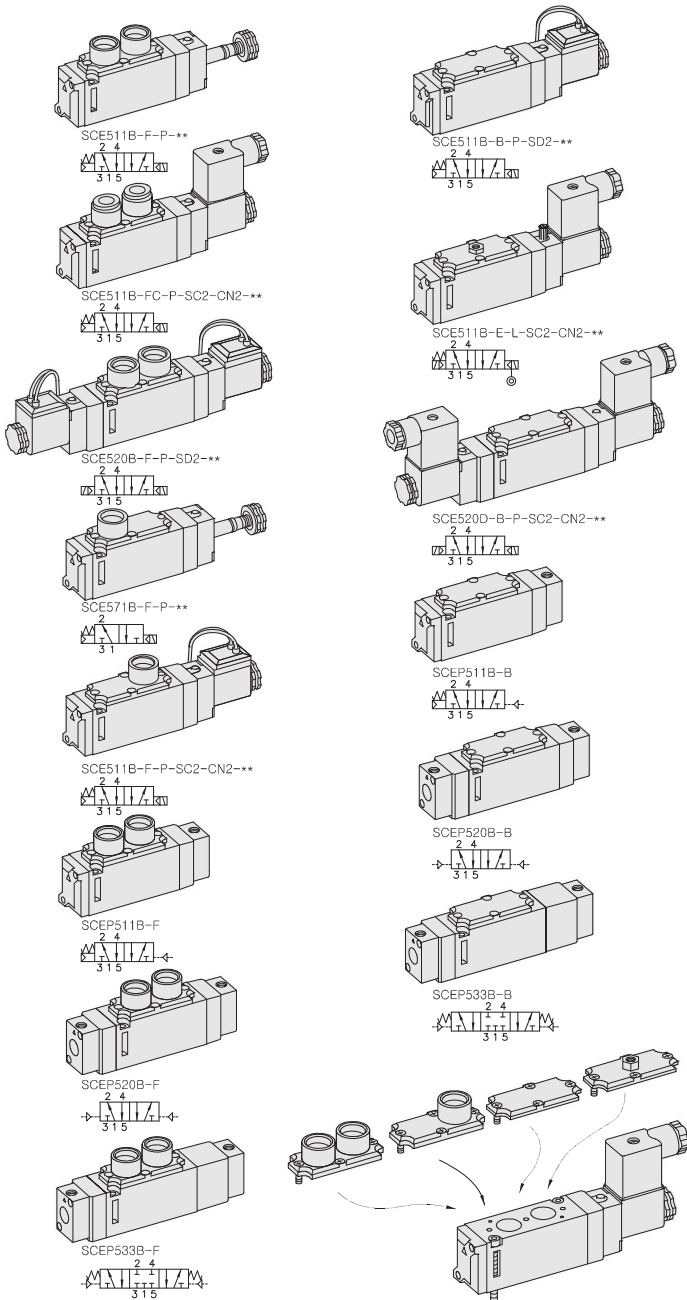
ITEM	2	4	6	8	10
B	49.0	87.0	125.0	163.0	201.0
A	62.0	100.0	138.0	176.0	214.0

Ordering Code SCB46-BLK Blanking Plate (Material : STS304)	Ordering Code SCB40-BLK Blanking Plate (Material : STS304) Manifold Gasket. Base Gasket. (Material : NBR)
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# SCE500. 3/8

"E" ECONOMY Series  
Solenoid / Pneumatic Valves

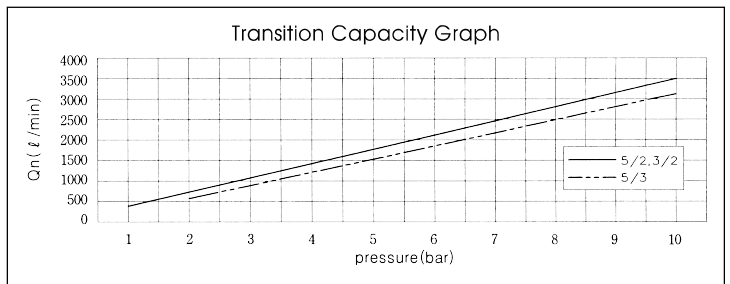
- 5/2, 5/3, 3/2-3/8 ■ 26mm Body Width
- Sub-Base or Manifold Mounting Type
- High Efficiency, Expense Reduction Type
- Transition Flow 2200ℓ/min (5bar)



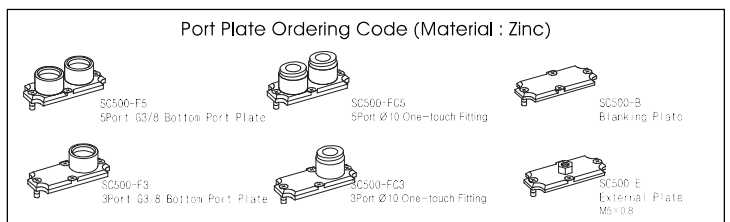
\*\*Voltage Selection (see page 80)

## SPECIFICATION

ITEM	SERIES	SOLENOID, PNEUMATIC	
		FUNCTION	
		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. Sectional Area(mm <sup>2</sup> )-5bar		40,0	30,0
Ambient & Fluid Temp.		5~60°C (41~140°F)	
Response Time(5bar)		30ms or Less	40ms 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:5,5VA(60Hz) / DC:2,5W	



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



\* 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.

**SCE5 1 1 B - F - P - SC2 - CN2 - D4**

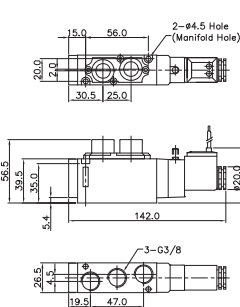
Valve Series	Function	Return Method	Port Type	Port Plate & Thread	Manual Operator	Solenoid Coil Type	Connector Type	Voltage		
SCE5 : Solenoid Valve	1	5/2 Single	0	None	D	Manifold	F	G3/8	0	None
	2	5/2 Double	1	Air+Spring	B	Sub-Base	FN	NPT 3/8	P	Push
	3	5/3 Closed Center	2	Air	FC	Ø10 One-Touch Fitting	L	Non-Locking	SG2	Grommet/Flying Leads
SCEP5 : Pneumatic Valve	4	5/3 Open Center	3	Spring	B	Blanking End Plate	SD2	Grommet/Flying Leads With LED	CN2	Normal Connector
	5	5/3 Pressure Center			E	External End Plate, Plate M5×0.8			CZ2	Connector With LED & Surge Suppressor
	6	3/2 Normally Closed							A2	AC 220V
	7	3/2 Normally Open							A1	AC 110V

# Solenoid & Pilot Actuated Spool Valves

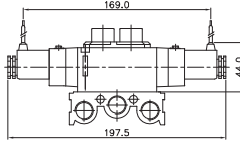
## Port Thread 3/8

### 5Port 2Position Solenoid Valve (Manifold)

Single Solenoid  
SCE511D-B-P-SG2-\*\*\*  
2 4  
3 15

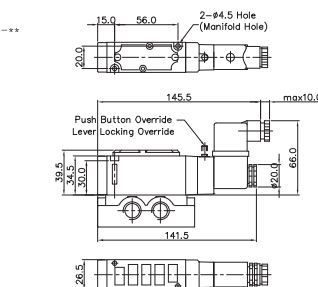


Double Solenoid  
SCE520B-F-P-SG2-\*\*\*  
2 4  
3 15

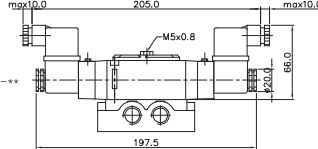


### 5Port 2Position Solenoid Valve (Sub-Base)

Single Solenoid  
SCE511B-B-P-SC2-CN2-\*\*\*  
2 4  
3 15

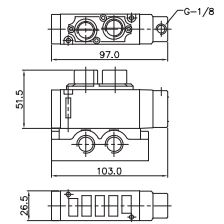


Double Solenoid  
External Pilot  
SCE520B-E-P-SC2-CN2-\*\*\*  
2 4  
3 15

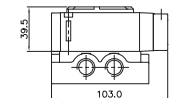


### 5Port 2Position Pneumatic Valve

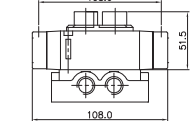
Single Pneumatic  
SCEP511B-F  
2 4  
3 15



Single Pneumatic  
SCEP511B-B  
2 4  
3 15

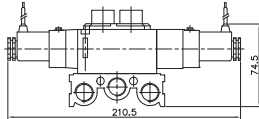


Double Pneumatic  
SCEP520B-F  
2 4  
3 15



### 5Port 3Position Solenoid Valve (Manifold)

Closed Center  
SCE533B-F-P-SG2-\*\*\*  
2 4  
3 15



Exhaust Center  
SCE543B-F-P-SG2-\*\*\*  
2 4  
3 15

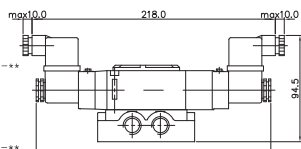


Pressure Center  
SCE553B-F-P-SG2-\*\*\*  
2 4  
3 15



### 5Port 3Position Solenoid Valve (Sub-Base)

Closed Center  
SCE533B-B-P-SC2-CN2-\*\*\*  
2 4  
3 15



Exhaust Center  
SCE543B-B-P-SC2-CN2-\*\*\*  
2 4  
3 15

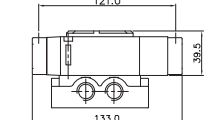


Pressure Center  
SCE553B-B-P-SC2-CN2-\*\*\*  
2 4  
3 15

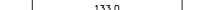


### 5Port 3Position Pneumatic Valve

Closed Center  
SCEP532B-B  
2 4  
3 15



Exhaust Center  
SCEP542B-B  
2 4  
3 15

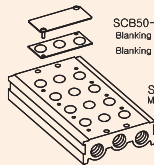
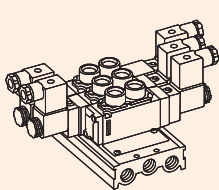


Pressure Center  
SCEP552B-B  
2 4  
3 15

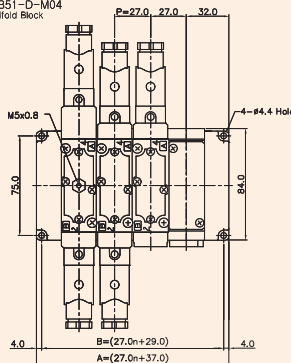


## SCB50 SINGLE, DOUBLE MANIFOLD BLOCK

(SCE500 Solenoid & Pneumatic Valve Use)  
**Manifold Block Dimension**



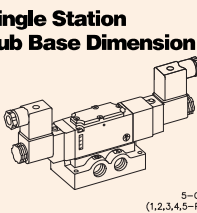
### Double Modular Sub Base Dimension



5Port Manifold Block Dimension

n=STATION	2	4	6	8	10
B	71.5	126.5	181.5	236.5	291.5
A	83.5	138.5	193.5	248.5	303.5

### Single Station Sub Base Dimension



### Manifold Ordering Code

SCB5 1 - D - M04

Series	Port & Thread	Function	Manifold Station
SCB5	0 None	0 None	M02 2-Station
SCE500 Solenoid Valve	1 G	S Single Station Sub Base, 3/8 Port Without Pilot Ports	M04 4-Station
	2 NPT	D Manifold, Port 3/8	M06 6-Station
		DB Double Modular Sub Base, 3/8 Port Without Pilot Ports	M08 8-Station
		DC10 Double Modular Sub Base, $\phi 10$ Fitting	M10 10-Station
		E End Cover, 3/8 Port	
		EB End Blanking Cover	

Double Modular Sub Base Dimension

n=STATION	2	4	6	8	10
B	83.0	137.0	191.0	245.0	299.0
A	91.0	145.0	199.0	253.0	307.0

Ordering Code SCB50-BLK  
Blanking Plate (Material: STS304)  
Manifold Gasket, Base Gasket, (Material: NBR)

Ordering Code SCB51-E  
End Cover, 3/8 (Material: Al)

Ordering Code SCB50-EB  
End Blanking Cover (Material: Al)

Ordering Code SCB50-DC10  
Double Modular Sub Base  $\geq 10$  one-touch fitting (Material: Al)

Ordering Code SCB51-DB  
Double Modular Sub Base, 3/8 (Material: Al)