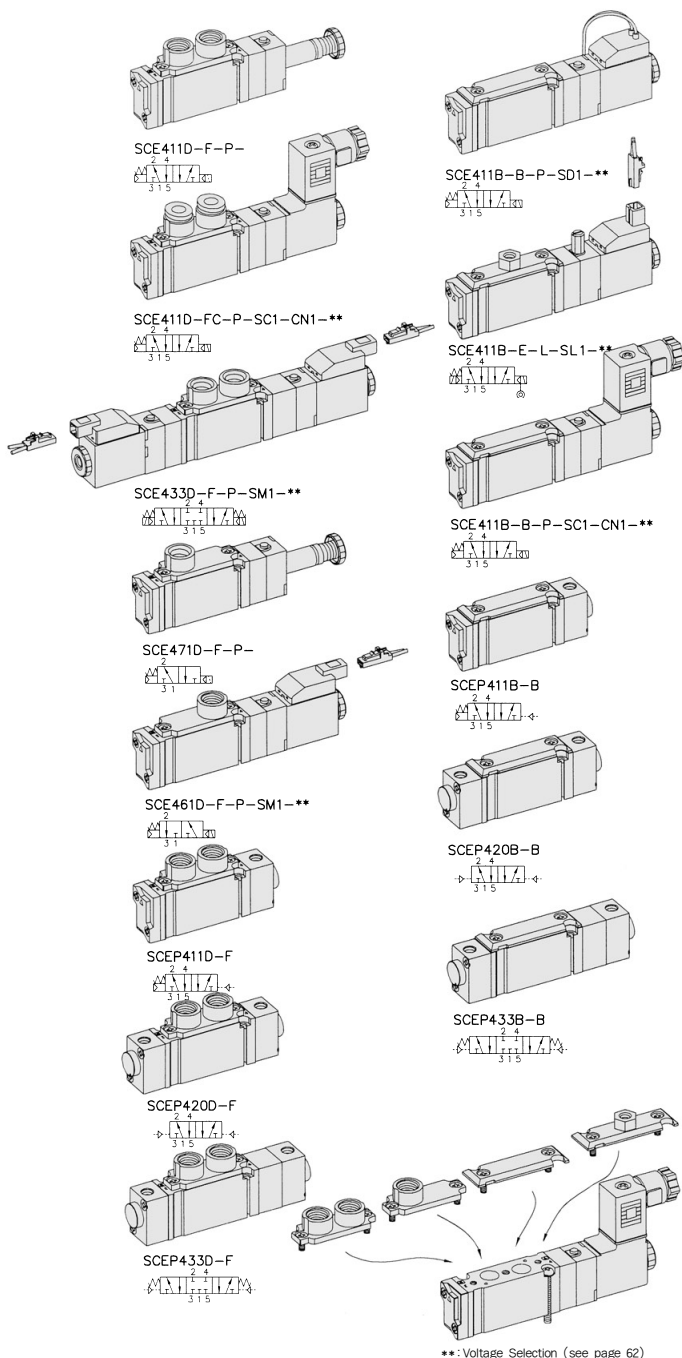


# SCE400. 1/4

"E" ECONOMY Series  
Solenoid / Pneumatic Valves

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

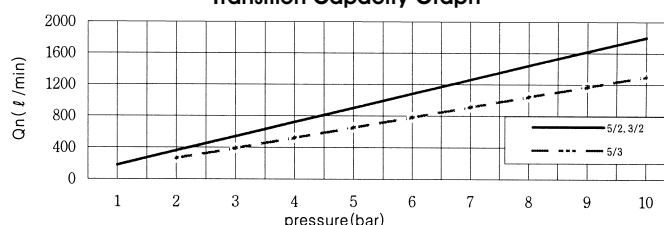


\*\* : Voltage Selection (see page 62)

## 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. 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          |                   |

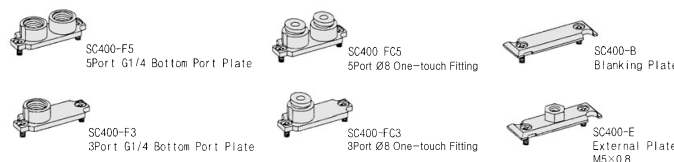
Transition Capacity Graph



## 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

## Port Plate Ordering Code (Material : Zinc)

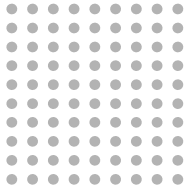


\* The specification on each item can be amended without any prenotice to improve a performance.  
\* The specification on each item can be different from actual specification.

## ORDERING NO.

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

| Valve Series                      | Function              | Return Method |              | Port Type  | Port Plate & Thread                | Manual Operator | Solenoid Coil Type                       |                                           | Connector Type | Voltage |
|-----------------------------------|-----------------------|---------------|--------------|------------|------------------------------------|-----------------|------------------------------------------|-------------------------------------------|----------------|---------|
| <b>SCE4 :</b><br>Solenoid Valve   | 1 5/2 Single          | 0             | None         | D Manifold | F G1/4                             | O None          | O None                                   | O None                                    | O None         | O None  |
|                                   | 2 5/2 Double          | 1             | Air + Spring | B Sub-Base | FN NPT 1/4                         | P Push          | SC1 3 Pin Connector Coil                 | CN1 Normal Connector                      | A2 AC 220V     |         |
|                                   | 3 5/3 Closed Center   | 2             | Air          |            | FC Ø8 One-Touch Fitting            | Non-Locking     | SG1 Grommet/Flying Leads                 | CD1 Connector With LED                    | A1 AC 110V     |         |
|                                   | 4 5/3 Open Center     | 3             | Spring       |            |                                    | L Lever Locking | SD1 Grommet/Flying Leads With LED        | CZ1 Connector With LED & Surge Suppressor | A4 AC 24V      |         |
| <b>SCEP4 :</b><br>Pneumatic Valve | 5 5/3 Pressure Center |               |              |            | B Blanking End Plate               |                 | SL1 90 Degree Plug-in Wire Assembly LED  |                                           | D4 DC 24V      |         |
|                                   | 6 3/2 Normally Closed |               |              |            | E External End Plate, Plate M5×0.8 |                 | SM1 180 Degree Plug-in Wire Assembly LED |                                           | D2 DC 12V      |         |
|                                   | 7 3/2 Normally Open   |               |              |            |                                    |                 |                                          |                                           |                |         |

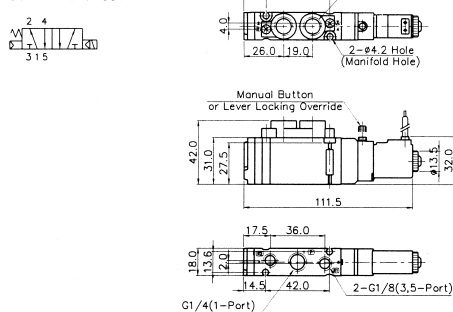


# Solenoid & Pilot Actuated Spool Valves

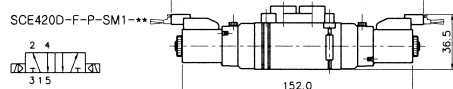
Port Thread 1/4

## 5Port 2Position Solenoid Valve (Manifold)

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

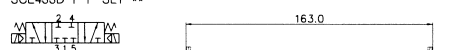


Double Solenoid  
SCE420D-F-P-SM1-\*\*\*

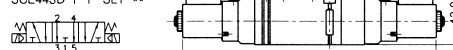


## 5Port 3Position Solenoid Valve (Manifold)

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



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

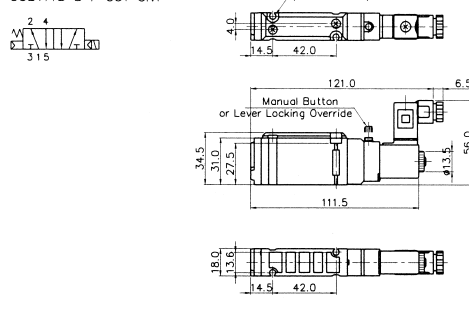


Pressure Center  
SCE453D-F-P-SL1-\*\*\*

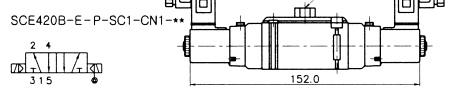


## 5Port 2Position Solenoid Valve (Sub-Base)

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

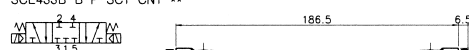


Double Solenoid  
External Pilot  
SCE420B-E-P-SC1-CN1-\*\*\*



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

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



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

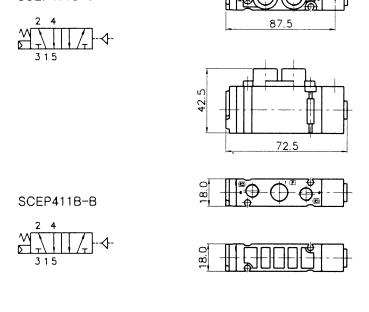


Pressure Center  
SCE453B-B-P-SC1-CN1-\*\*\*

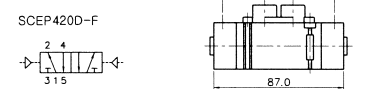


## 5Port 2Position Pneumatic Valve

Single Pneumatic  
SCEP411D-F



Double Pneumatic  
SCEP420D-F



## 5Port 3Position Pneumatic Valve

Closed Center  
SCEP433B-B



Exhaust Center  
SCEP443B-B



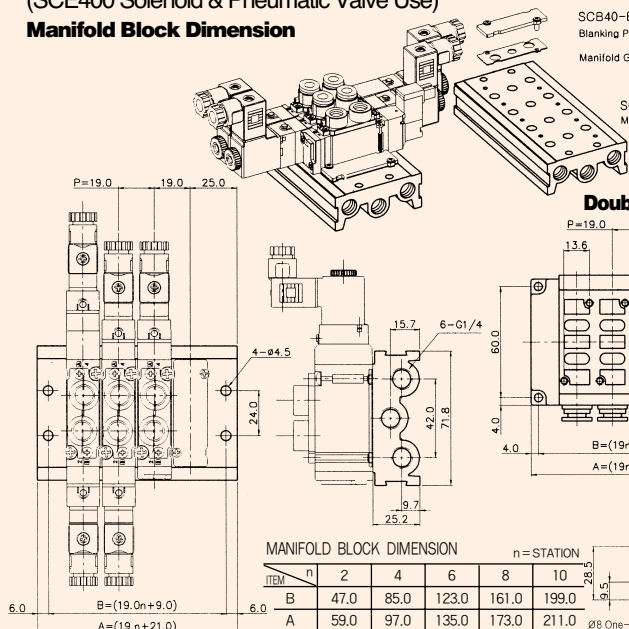
Pressure Center  
SCEP453B-B



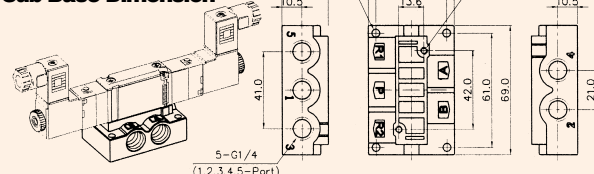
## SCB40 SINGLE, DOUBLE MANIFOLD BLOCK

(SCE400 Solenoid & Pneumatic Valve Use)

### Manifold Block Dimension



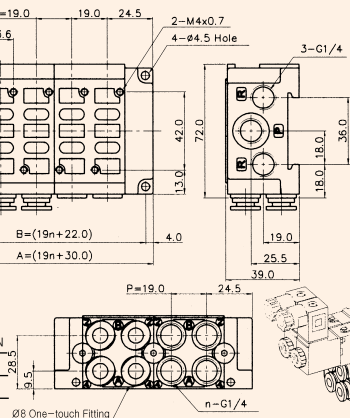
### Single Station Sub Base Dimension



### Manifold Ordering Code

| SCB4 1 - D - M04      |               |                                                          |                  |
|-----------------------|---------------|----------------------------------------------------------|------------------|
| Series                | Port & Thread | Function                                                 | Manifold Station |
| SCB4                  | 0 None        | 0 None                                                   | M02 2-Station    |
| SCE400 Solenoid Valve | 1 G           | D Manifold, Port 1/4                                     | M04 4-Station    |
|                       | 2 NPT         | S Single Station Sub Base, 1/4 Port Without Pilot Ports  | M06 6-Station    |
|                       |               | DB Double Modular Sub Base, 1/4 Port Without Pilot Ports | M08 8-Station    |
|                       |               | DC8 Double Modular Sub Base, #8 Fitting                  | M10 10-Station   |
|                       |               | E End Cover, 1/4 Port                                    |                  |
|                       |               | EB End Blanking Cover                                    |                  |

### Double Modular Sub Base Dimension



| ITEM | n | 2    | 4     | 6     | 8     | 10    |
|------|---|------|-------|-------|-------|-------|
| B    |   | 60.0 | 98.0  | 136.0 | 174.0 | 212.0 |
| A    |   | 68.0 | 106.0 | 144.0 | 182.0 | 220.0 |

### Ordering Code

SCB40-DC8 Double Modular Sub Base #8 One-touch Fitting (Material:Al)

### Ordering Code

SCB41-DB Double Modular Sub Base, 1/4 (Material:Al)

SCB40-BLK

Blanking Plate

Manifold Gasket

Base Gasket

### Ordering Code

SCB40-BLK

Blanking Plate

(Material:STS304)

Manifold Gasket

Base Gasket

(Material: NBR)

### Ordering Code

SCB41-E

End Cover, 1/4

(Material:Al)

### Ordering Code

SCB40-EB

End Blanking

Cover

(Material:Al)