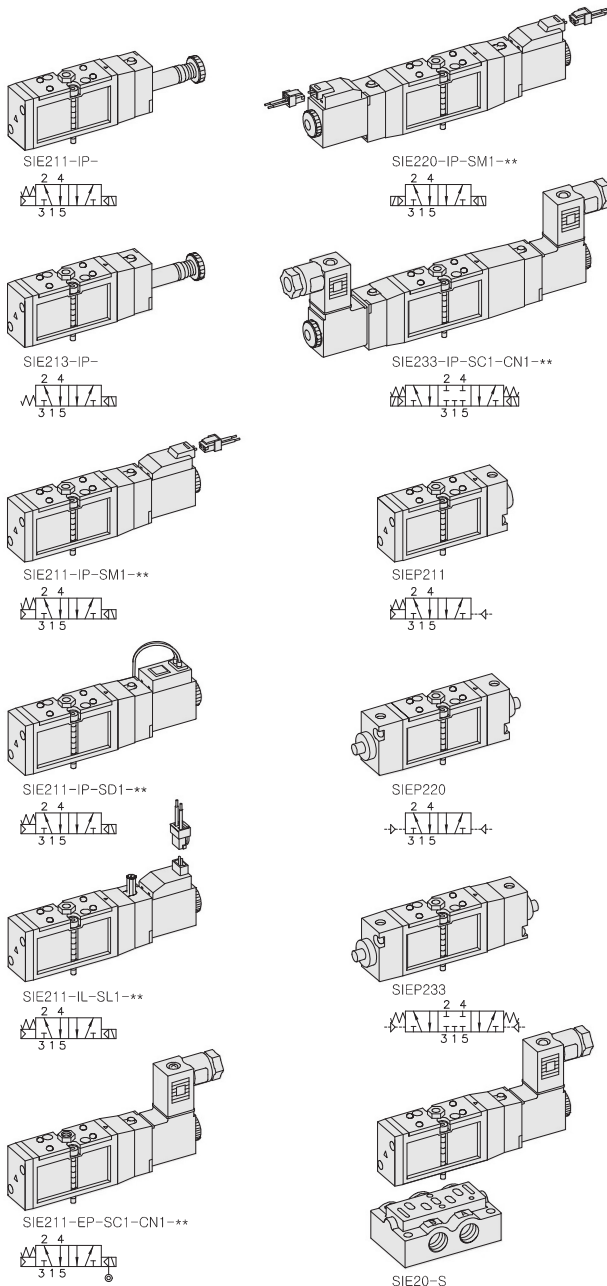


SIE200

"E" ECONOMY Series
Solenoid / Pneumatic Valves

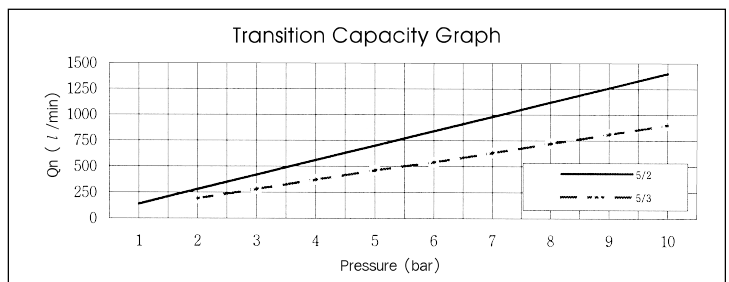
- 5/2, 5/3
- 18mm Body Width
- Sub-Base or Manifold Mounting Type
- Transition Flow 700ℓ/min (5bar)



***: Voltage Selection (see page 80)

SPECIFICATION

ITEM	FUNCTION	SOLENOID, PNEUMATIC	
		5 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 ²)-5bar		12.0	8.5
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	



The Material of Parts

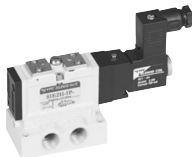
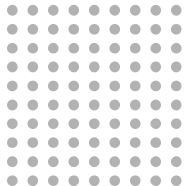
- Valve Body : Die-Cast Aluminium
- Spool : Aluminium
- Seals : NBR
- Spring : Stainless
- Cap : Zinc Pressure Die-Cast
- Pilot Parts : Glass Filled Nylon
- Armature : Stainless Steel
- Armature Seals : Viton

※ 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.

SIE2 1 1 - I P - SC1 - CN1 - A2

Valve Series	Function	Return Method	Int/Ext. Pilot	Manual Operator	Solenoid Coil Type	Connector Type	Voltage
SIE2 : Solenoid Valve	1 5/2 Single	0 None	I Internal Pilot	0 None	0 None	0 None	0 None
	2 5/2 Double	1 Air + Spring	E External Pilot	P Push Non-Locking	SC1 3 Pin Connector Coil	CN1 Normal Connector	A2 AC 220V
	3 5/3 Closed Center	2 Air		L Lever Locking	SG1 Grommet/Flying Leads	CD1 Connector With LED	A1 AC 110V
SIEP2 : Pneumatic Valve	4 5/3 Open Center	3 Spring			SD1 Grommet/Flying Leads With LED	CZ1 Connector With LED & Surge Suppressor	A4 AC 24V
	5 5/3 Pressure Center				SL1 90 Degree Plug-in Wire Assembly With LED		D4 DC 24V
					SM1 180 Degree Plug-in Wire Assembly With LED		D2 DC 12V

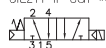


Solenoid & Pilot Actuated Spool Valves

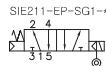
18mm Body Width

5Port 2Position Solenoid Valve

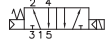
Single Solenoid
SIE211-IP-SG1-***



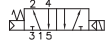
External Pilot
SIE211-EP-SG1-***



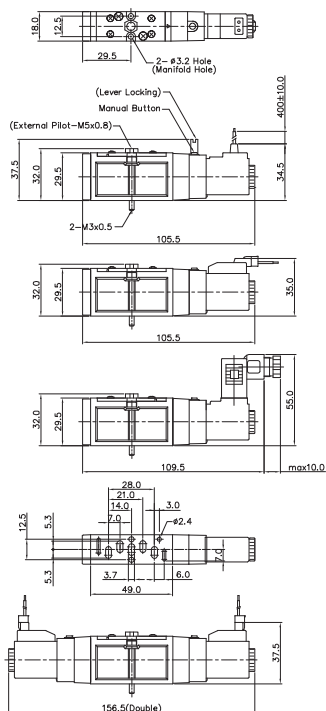
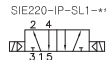
SIE211-IP-SM1-***



SIE211-IP-SC1-CN1-***

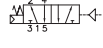


Double Solenoid
SIE220-IP-SL1-***

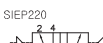


5Port 2Position Pneumatic Valve

Single Pneumatic
SIEP211

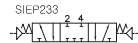


Double Pneumatic
SIEP220



5Port 3Position Pneumatic Valve

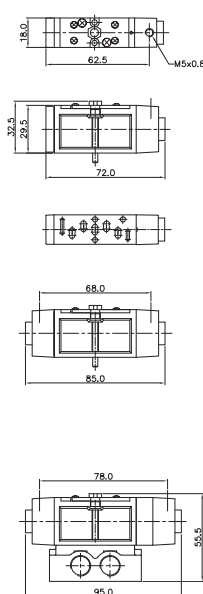
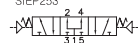
Closed Center
SIEP233



Exhaust Center
SIEP243



Pressure Center
SIEP253



5Port 3Position Solenoid Valve

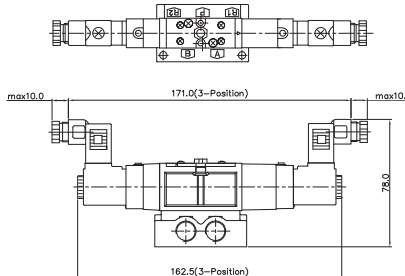
Closed Center
SIE233-IP-SC1-CN1-***



Exhaust Center
SIE243-IP-SC1-CN1-***



Pressure Center
SIE253-IP-SC1-CN1-***

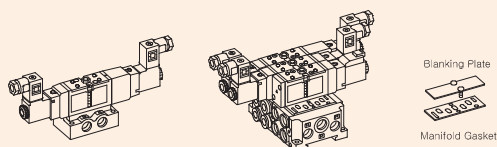


Sub Base Ordering Code

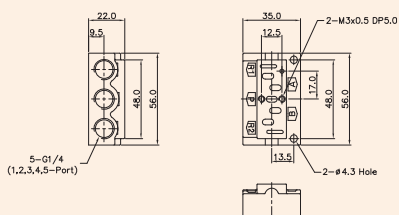
Sub Base Series	Port & Thread	Function
SIB2	0 None	S Single Station Sub Base, 1/4 Port Without Pilot Ports
SIE200 Solenoid Valve	1 G	SP Single Station Sub Base, 1/4 Port With Pilot Ports
	2 NPT	DB Double Modular Sub Base, 1/8 Port Without Pilot Ports
		DC6 Double Modular Sub Base #6 One-Touch Fitting
		E End Cover, 1/8 Port
		EB End Blanking Cover

SIB20 SINGLE, DOUBLE SUB BASE

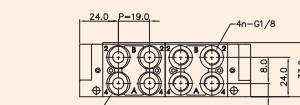
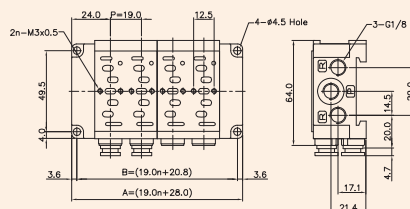
(SIE200 Solenoid & Pneumatic Valve Use Sub Base)



Single Station Sub Base Dimension



Double Modular Sub Base Dimension



DOUBLE MODULAR SUB BASE DIMENSION (n=STATION)	2	4	6	8	10
A	58.8	96.8	134.8	172.8	210.8
B	66.0	104.0	142.0	180.0	218.0

Ordering Code SIB20-BLK	Blanking Plate (Material: STS304)
Ordering Code SIB21-E	End Cover, 1/8 (Material: Al)
Ordering Code SIB20-EB	End Blanking Cover (Material: Al)
Ordering Code SIB21-DB	Double Modular Sub Base, 1/8 (Material: Al)
Ordering Code SIB20-DC6	Double Modular Sub Base #6 one-touch fitting (Material: Al)

SIE300

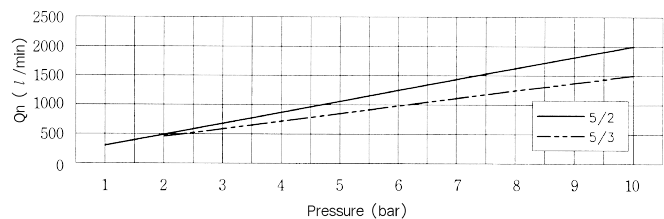
"E" ECONOMY Series
Solenoid / Pneumatic Valves

- 5/2, 5/3
- 26mm Body Width
- Sub-Base or Manifold Mounting Type
- Transition Flow 1000ℓ/min (5bar)

SPECIFICATION

ITEM	FUNCTION	SOLENOID, PNEUMATIC	
		5 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 ²)-5bar		18.0	11.0
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:5.5VA(60Hz) / DC:2.5W	

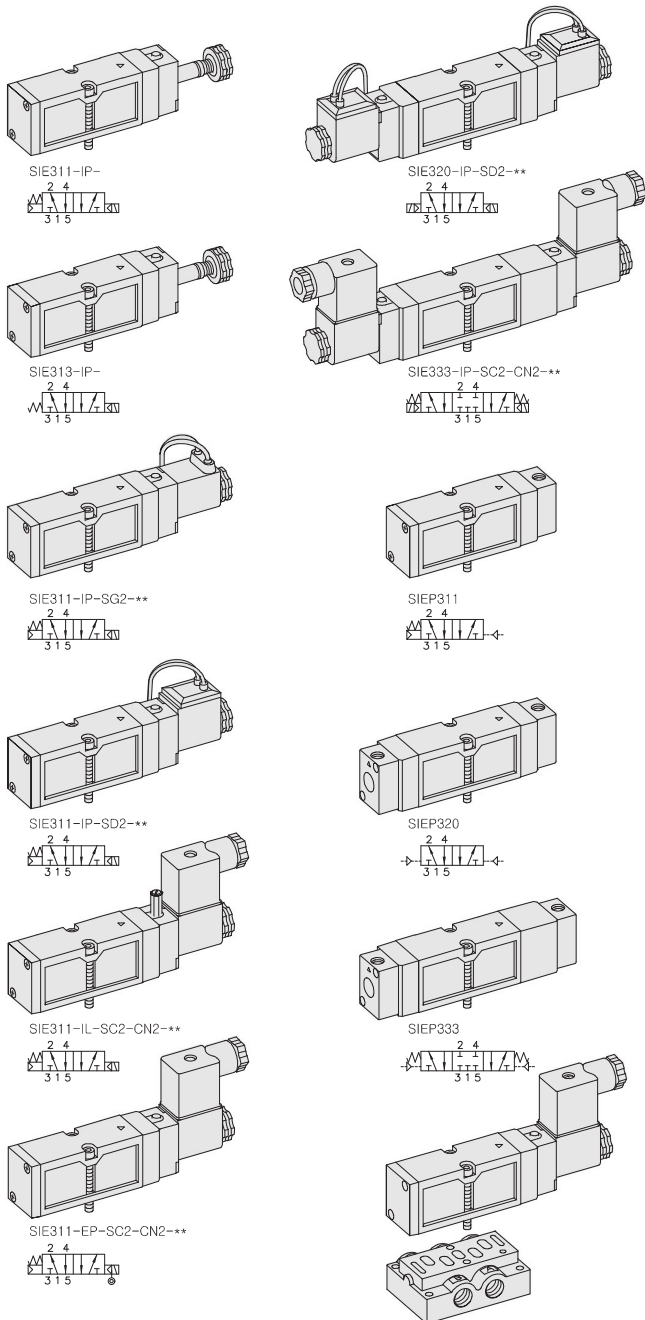
Transition Capacity Graph



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

※ 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.

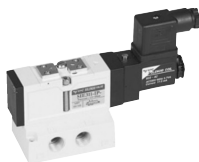


※: Voltage Selection (see page 80)

ORDERING NO.

SIE3 1 1 - I P - SC2 - CN2 - A2

Valve Series	Function	Return Method		Int/Ext. Pilot	Manual Operator	Solenoid Coil Type		Connector Type	Voltage	
SIE3 : Solenoid Valve	1 5/2 Single	0	None	I Internal Pilot	0 None	0	None	0	None	0 None
	2 5/2 Double	1	Air+Spring	E External Pilot	P Push Non-Locking	SC2	3 Pin Connector Coil	CN2	Normal Connector	A2 AC 220V
	3 5/3 Closed Center	2	Air		L Lever Locking	SG2	Grommet/Flying Leads	CD2	Connector With LED	A1 AC 110V
	4 5/3 Open Center	3	Spring			SD2	Grommet/Flying Leads With LED	CZ2	Connector With LED & Surge Suppressor	A4 AC 24V
	5 5/3 Pressure Center									D4 DC 24V
SIEP3 : Pneumatic Valve										D2 DC 12V



5Port 2Position Solenoid Valve

2-ø4.3 Hole (Manifold Hole)

(Lever Locking Type)

Manual Button

35.0

28.0

43.0

2-M5x0.8

117.5

max10.0

202.0(Double)

max10.0

18.0

67.5

90.0

193.5(Double)

11.0

5Port 3Position Solenoid Valve

max 10.0 214.0(3-Position) max 10.0

206.0(3-Position)

5Port 2Position Pneumatic Valve

Technical drawing of a shaft. The total length is 92.5. The diameter of the main shaft is 26.5. There is a section labeled 'x' on the shaft. The shaft has a threaded end with a thread specification of G1/8.

5Port 3Position Pneumatic Valve

[illegible]

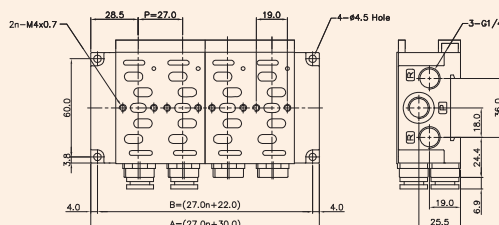
Sub Base Ordering Code

Sub Base Series	Port & Thread	Function
SIB3	0 None	S Single Station Sub Base, 1/4 Port Without Pilot Ports
SIE300 Solenoid Valve	1 G	SP Single Station Sub Base, 1/4 Port With Pilot Ports
	2 NPT	DB Double Modular Sub Base, 1/4 Port Without Pilot Ports
		DC8 Double Modular Sub Base, ø 8 One-Touch Fitting
		E End Cover, 1/4 Port
		EB End Blanking Cover

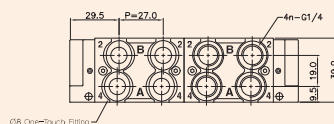
SIB30 SINGLE, DOUBLE SUB BASE

(SIE300 Solenoid & Pneumatic Valve Use Sub Base)

Double Modular Sub Base Dimension



Single Station Sub Base Dimension



ITEM $\nearrow$	2	4	6	8	10
A	76.0	130.0	184.0	238.0	292.0
B	84.0	138.0	192.0	246.0	300.0

