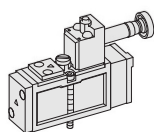


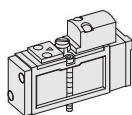
SIV200

ISO-O 15407-1 / VDMA 24563
Solenoid / Pneumatic Valves

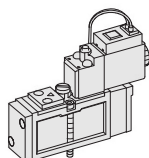
- 5/2, 5/3
- 18mm Body Width
- Sub-Base or Manifold Mounting Type
- Transition Flow 700ℓ/min (5bar)



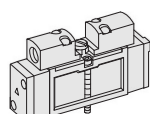
SIV211-IP-***



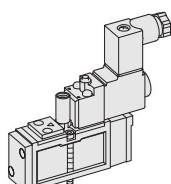
SIP211



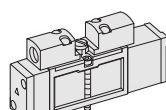
SIV211-IP-SD1-***



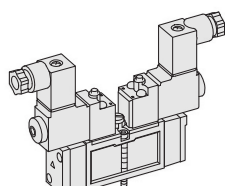
SIP220



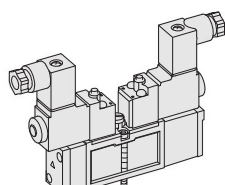
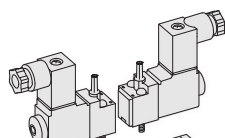
SIV211-EP-SC1-CN1-***



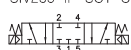
SIP233



SIV220-IP-SC1-CN1-***



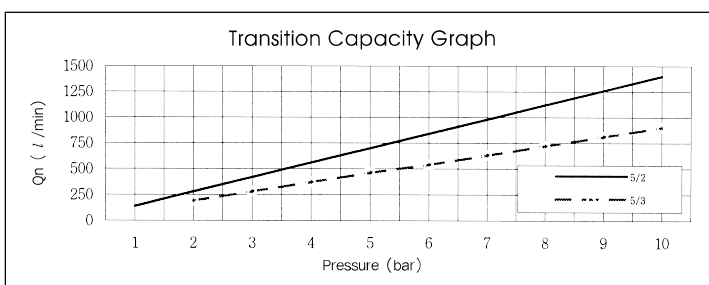
SIV233-IP-SC1-CN1-***



***: Voltage Selection (see page 80)

SPECIFICATION

ITEM	SERIES 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. Section 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(Optional)	
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

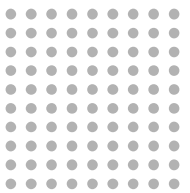
- Valve Body : Die-Cast Aluminium
- Spool : Aluminium
- Seals : NBR
- Spring : Stainless
- Cap : Zinc Pressure Die-Cast
- Pilot Parts : Glass Filled Nylon
- Armature : Stainless Steel
- Armature Seals : Viton

* 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.

SIV2 1 1 - I P - SC1 - CN1 - A2

Valve Series	Function	Return Method		Int/Ext. Pilot	Manual Operator		Solenoid Coil Type		Connector Type		Voltage	
SIV2 : 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
SIP2 : 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

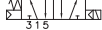


Solenoid & Pilot Actuated Spool Valves

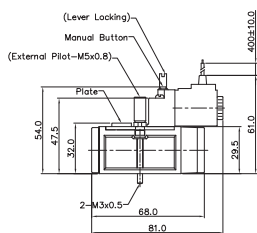
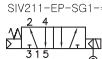
18mm Body Width

5Port 2Position Solenoid Valve

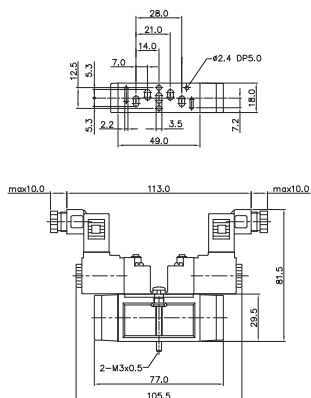
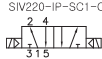
Single Solenoid
SIV211-IP-SG1-***



External Pilot
SIV211-EP-SG1-***

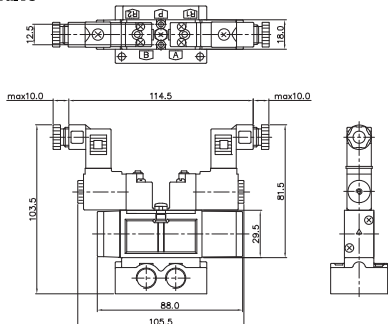
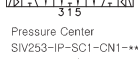
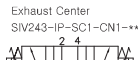
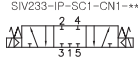


Double Solenoid
SIV220-IP-SC1-CN1-***



5Port 3Position Solenoid Valve

Closed Center
SIV233-IP-SC1-CN1-***

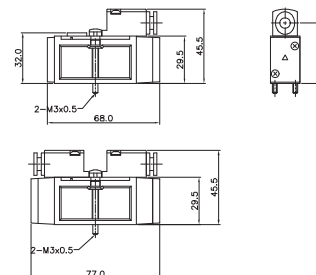


5Port 2Position Pneumatic Valve

Single Pneumatic
SIP211

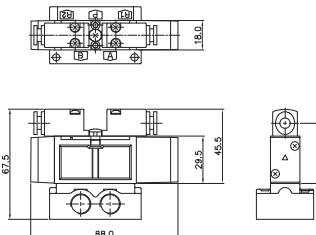
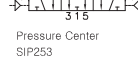
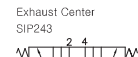
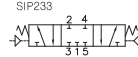


Double Pneumatic
SIP220



5Port 3Position Pneumatic Valve

Closed Center
SIP233

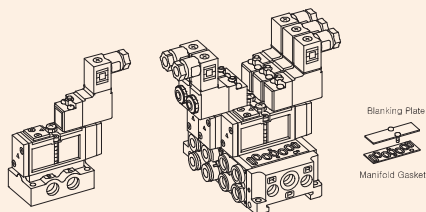


Sub Base Ordering Code

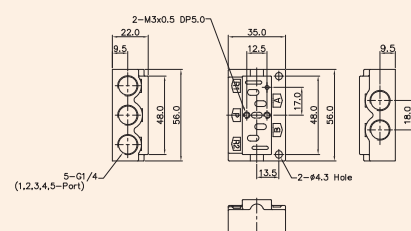
SIB2 1 - S			
Base Series	Port & Thread	Function	
SIB2	0 None	S	Single Station Sub Base, 1/4 Port Without Pilot Ports
SIV200 Solenoid Valve	1 G	SP	Single Station Sub Base, 1/4 Port With Pilot Ports
	2 NPT	DB	Single Station Sub Base, 1/8 Port Without Pilot Ports
		DC6	Double Modular Sub Base, Ø6 One-Touch Fitting
		E	End Cover, 1/8 Port
		EB	End Blanking Cover

SIB20 SINGLE, DOUBLE SUB BASE

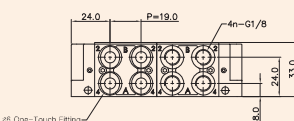
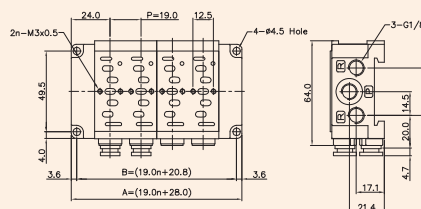
(SIV200 Solenoid & Pneumatic Valve Use Sub Base)



Single Station Sub Base Dimension



Double Modular Sub Base Dimension



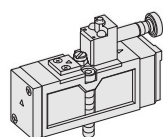
DOUBLE MODULAR SUB BASE DIMENSION (n=STATION)					
PORT	2	4	6	8	10
B	58.8	96.8	134.8	172.8	210.8
A	66.0	104.0	142.0	180.0	218.0

Ordering Code SIB20-BLK		Blanking Plate (Material: STS304)
		Manifold Gasket. (Material: NBR)
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 Ø6 one-touch fitting (Material: Al)

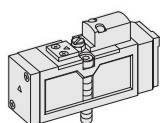
SIV300

ISO-0 15407-1 / VDMA 24563
Solenoid / Pneumatic Valves

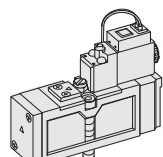
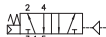
- 5/2, 5/3
- 26mm Body Width
- Sub-Base or Manifold Mounting Type
- Transition Flow 1000ℓ/min (5bar)



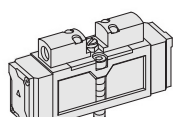
SIV311-IP-***



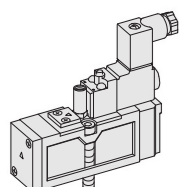
SIP311



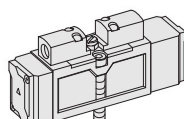
SIV311-IP-SD1-***



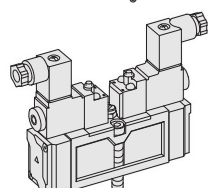
SIP320



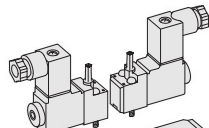
SIV311-EP-SC1-CN1-***



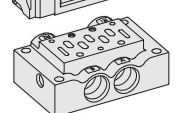
SIP333



SIV320-IP-SC1-CN1-***

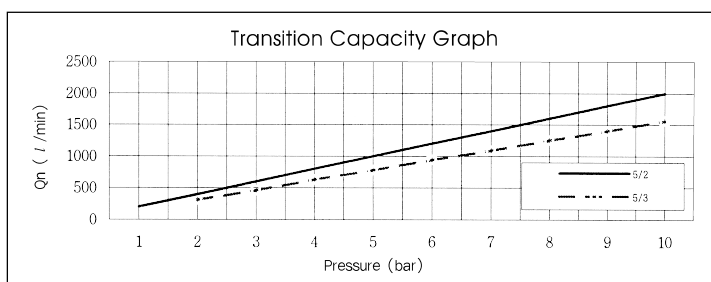


SIV333-IP-SC1-CN1-***



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. Section 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: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

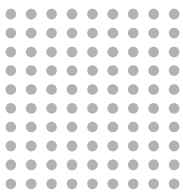
※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.

***: Voltage Selection (see page 80)

ORDERING NO.

SIV3 1 1 - I P - SC1 - CN1 - A2

Valve Series	Function	Return Method		Int/Ext. Pilot	Manual Operator		Solenoid Coil Type		Connector Type	Voltage	
SIV3 : Solenoid Valve	1 5/2 Single	0	None	I Internal Pilot	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
SIP3 : 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

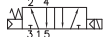


Solenoid & Pilot Actuated Spool Valves

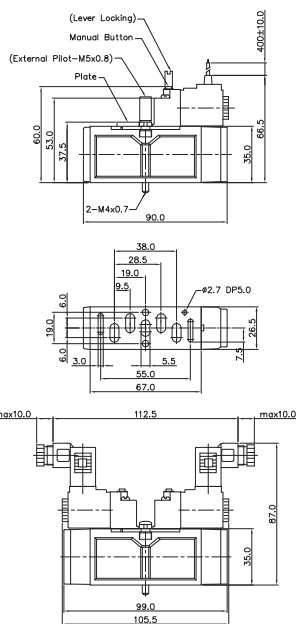
26mm Body Width

5Port 2Position Solenoid Valve

Single Solenoid
SIV311-IP-SG1-***



External Pilot
SIV311-EP-SG1-***

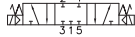


Double Solenoid
SIV320-IP-SC1-CN1-***

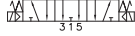


5Port 3Position Solenoid Valve

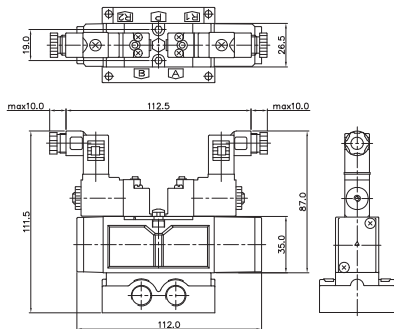
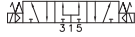
Closed Center
SIV333-IP-SC1-CN1-***



Exhaust Center
SIV343-IP-SC1-CN1-***



Pressure Center
SIV353-IP-SC1-CN1-***

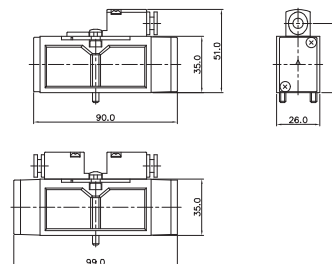
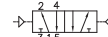


5Port 2Position Pneumatic Valve

Single Pneumatic
SIP311

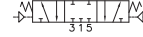


Double Pneumatic
SIP320



5Port 3Position Pneumatic Valve

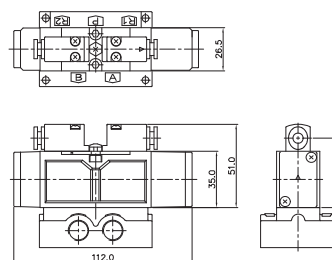
Closed Center
SIP333



Exhaust Center
SIP343



Pressure Center
SIP353

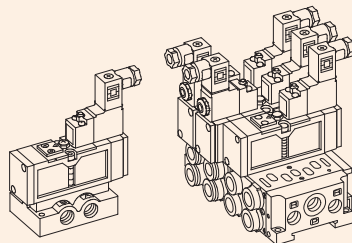


Sub Base Ordering Code

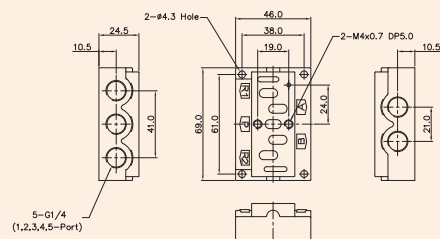
SIB3 1 - S			
Base Series	Port & Thread	Function	
SIB3	0 None	S	Single Station Sub Base, 1/4 Port Without Pilot Ports
SIV300 Solenoid Valve	1 G	SP	Single Station Sub Base, 1/4 Port With Pilot Ports
	2 NPT	DB	Double Modular Sub Base, 1/4 Port Without Pilot Ports
		DC8	Double Modular Sub Base, ø8 One-Touch Fitting
		E	End Cover, 1/4 Port
		EB	End Blanking Cover

SIB30 SINGLE, DOUBLE SUB BASE

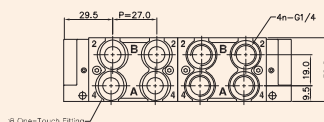
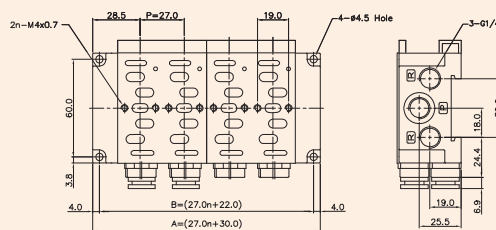
(SIV300 Solenoid & Pneumatic Valve Use Sub Base)



Single Station Sub Base Dimension



Double Modular Sub Base Dimension



DOUBLE MODULAR SUB BASE DIMENSION		n=STATION
ITEM		2 4 6 8 10
A	76.0	135.0 184.0 238.0 292.0
B	84.0	138.0 192.0 246.0 300.0

Ordering Code SIB30-BLK	Blanking Plate (Material: STS304)
Ordering Code SIB31-E	End Cover, 1/4 (Material: Al)
Ordering Code SIB30-EB	End Blanking Cover (Material: Al)
Ordering Code SIB31-DB	Double Modular Sub Base, 1/4 (Material: Al)
Ordering Code SIB30-DC8	Double Modular Sub Base ø8 one-touch fitting (Material: Al)

SIV400

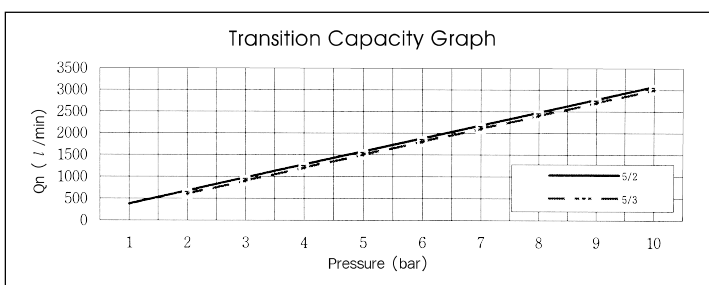
ISO-1

Solenoid / Pneumatic Valves

- 5/2, 5/3 ■ 40mm Body Width
- 30mm CNOMO pilot
- Sub-Base Mounting Type
- Transition Flow 1600ℓ/min (5bar)

SPECIFICATION

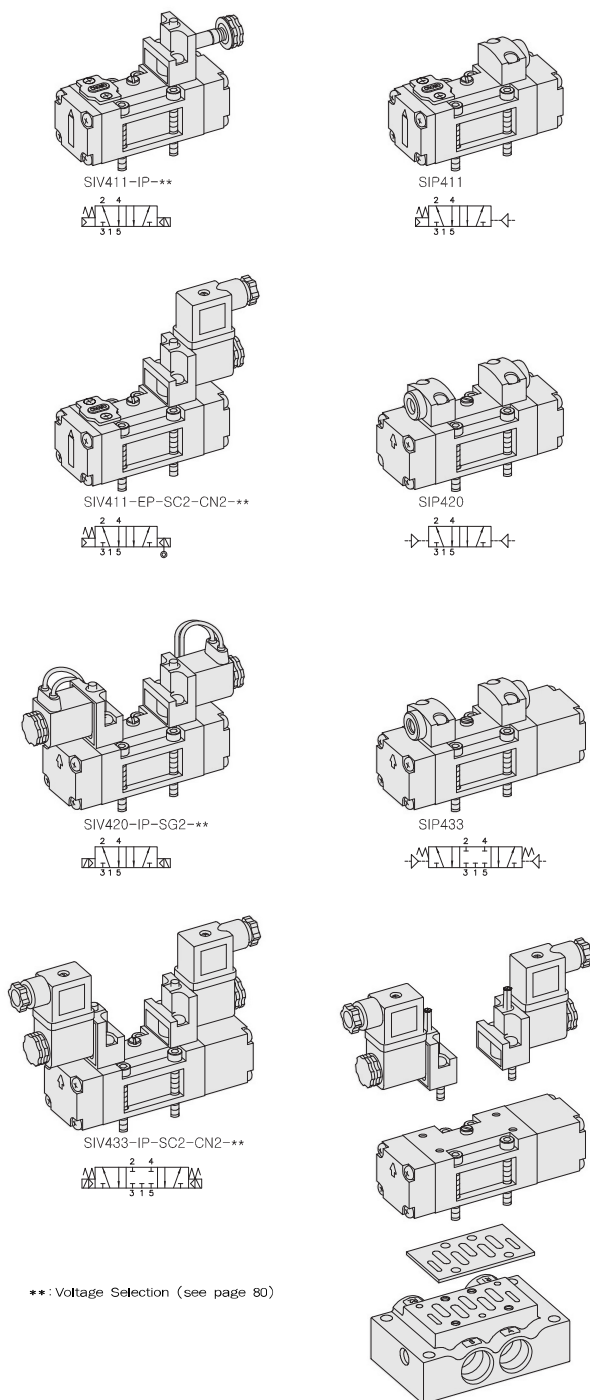
ITEM	SERIES FUNCTION	SOLENOID, PNEUMATIC	
		5 Port 2 Position	5 Port 3 Position
Fluids		Compressed Air & Inert Gases	
Pressure(bar)		1.5~10.0	2.0~10.0
Eff. Section Area(mm ²)-5bar		30.0	25.0
Ambient & Fluid Temp.		5~60°C (41~140°F)	
Response Time(5bar)		30ms or Less	40ms or Less
Max. Working Frequency		3c/sec	1c/sec
Lubrication		Not Required(Use ISO VG32 #)	
Manual Override		Push Button(Standard), Lever Lock(Optional)	
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.

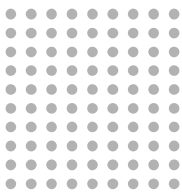


***: Voltage Selection (see page 80)

ORDERING NO.

SIV4 1 1 - I P - SC2 - CN2 - A2

Valve Series	Function	Return Method	Int/Ext. Pilot	Manual Operator	Solenoid Coil Type	Connector Type	Voltage
SIV4 : 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
SIP4 : Pneumatic Valve	5 5/3 Pressure Center						D4 DC 24V
							D2 DC 12V



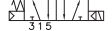
Solenoid & Pilot Actuated Spool Valves

40mm Body Width

5Port 2Position Solenoid Valve

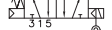
Single Solenoid

SIV411-IP-SD2-***



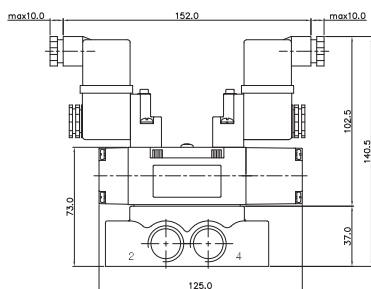
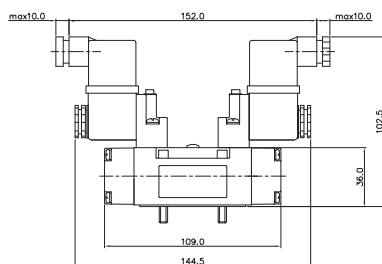
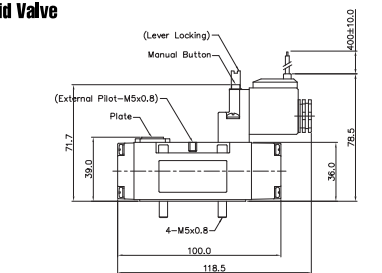
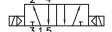
External Pilot

SIV411-EP-SD2-***



Double Solenoid

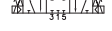
SIV420-IP-SC2-CN2-***



5Port 3Position Solenoid Valve

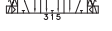
Closed Center

SIV433-IP-SC2-CN2-***



Exhaust Center

SIV443-IP-SC2-CN2-***



Pressure Center

SIV453-IP-SC2-CN2-***



5Port 2Position Pneumatic Valve

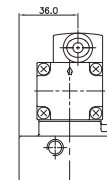
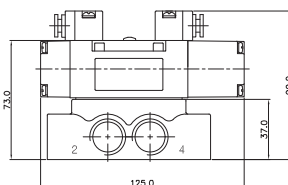
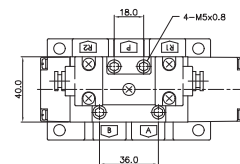
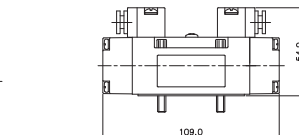
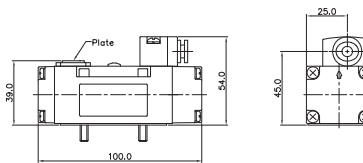
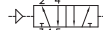
Single Pneumatic

SIP411



Double Pneumatic

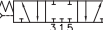
SIP420



5Port 3Position Pneumatic Valve

Closed Center

SIP433



Exhaust Center

SIP443



Pressure Center

SIP453



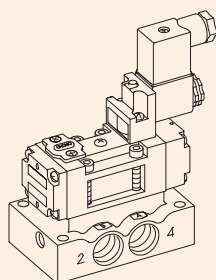
Sub Base Ordering Code

SIB4 1 - S		
Base Series	Port & Thread	Function
SIB4	0 None	S Single Station Sub Base, Without Pilot Ports
SIV400 Solenoid Valve	1 G 1/4	SP Single Station Sub Base, With Pilot Ports
	2 G 3/8	
	3 G 1/2	
	6 NPT 1/4	
	7 NPT 3/8	
	8 NPT 1/2	

SIB40 SINGLE SUB BASE

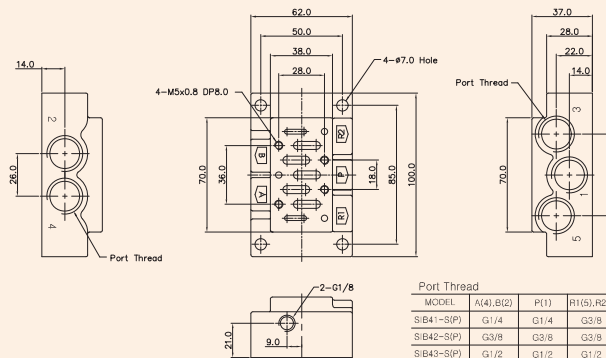
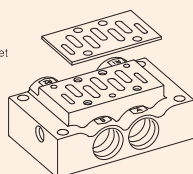
(SIV400 Solenoid & Pneumatic Valve Use Sub Base)

Single Station Sub Base Dimension



Sub Base Gasket
(Material: NBR)

Sub Base
(Material: Al)



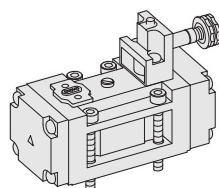
Port Thread	MODEL	A(4), B(2)	P(1)	R1(5), R2(3)
SIB41-S(P)	G1/4	G1/4	G1/4	G3/8
SIB42-S(P)	G3/8	G3/8	G3/8	G3/8
SIB43-S(P)	G1/2	G1/2	G1/2	G1/2

SIV500

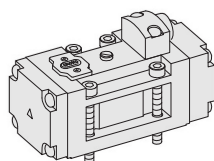
ISO-2

Solenoid / Pneumatic Valves

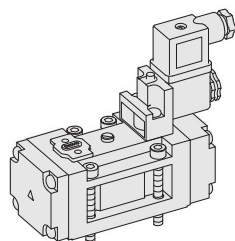
- 5/2, 5/3 ■ 50mm Body Width
- 30mm CNOMO PILOT
- Sub-Base Mounting Type
- Transition Flow 3500ℓ/min (5bar)



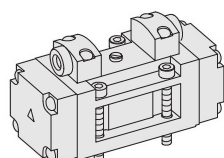
SIV511-IP-**-



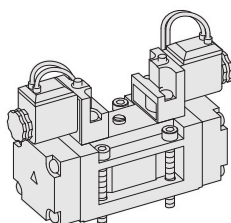
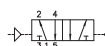
SIP511



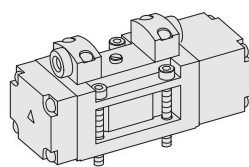
SIV511-EP-SC2-CN2-**-



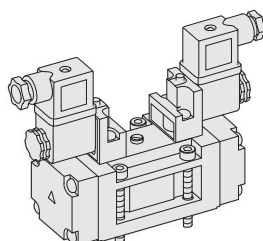
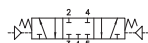
SIP520



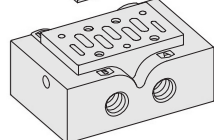
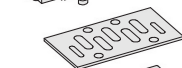
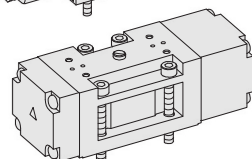
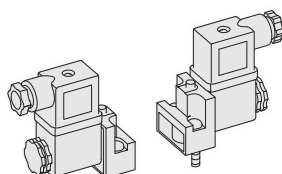
SIV520-IP-SD2-**-



SIP533



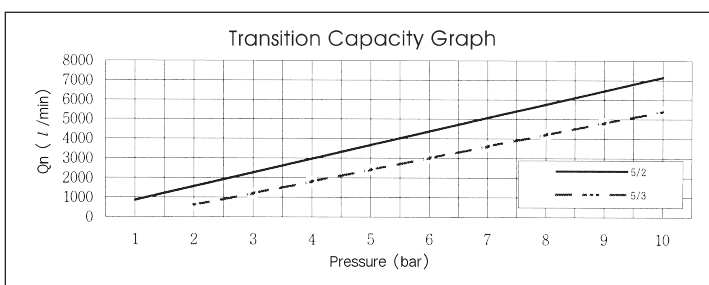
SIV533-IP-SC2-CN2-**-



**- Voltage Selection (see page 80)

SPECIFICATION

ITEM	SERIES 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		65.0	50.0
Ambient & Fluid Temp.		5~60°C (41~140°F)	
Response Time(5bar)		35ms or Less	45ms or Less
Max. Working Frequency		3c/sec	1c/sec
Lubrication		Not Required(Use ISO VG32#)	
Manual Override		Push Button(Standard), Lever Lock(Optional)	
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.

SIV5 1 1 - I P - SC2 - CN2 - A2

Valve Series	Function	Return Method	Int/Ext. Pilot	Manual Operator	Solenoid Coil Type	Connector Type	Voltage
SIV5 : 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
SIP5 : Pneumatic Valve	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
							D2 DC 12V



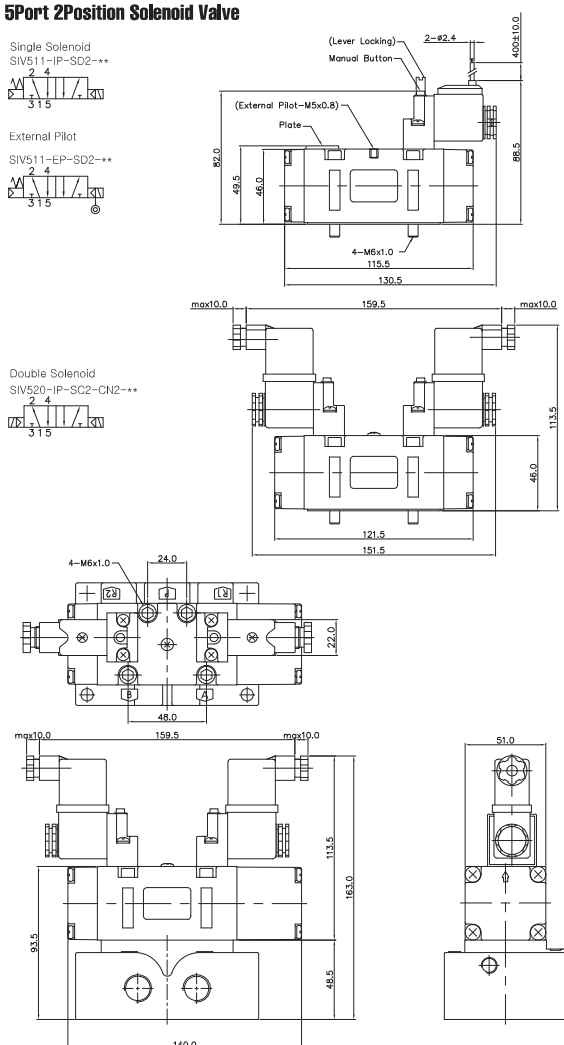
Solenoid & Pilot Actuated Spool Valves

50mm Body Width

5Port 2Position Solenoid Valve

SIV511-EP-SD2-*

SIV520-IP-SC2-C



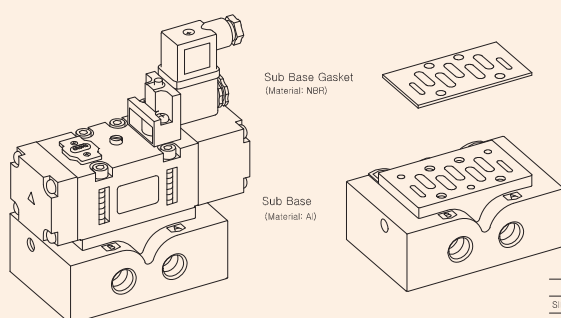
5Port 3Position Solenoid Valve

Diagram showing a 2x4 grid of vertical lines with arrows pointing down. The columns are labeled 2 and 4 above them.

SIB50 SINGLE SUB BASE

(SIV500 Solenoid & Pneumatic Valve Use Sub Base)

Single Station Sub Base Dimension

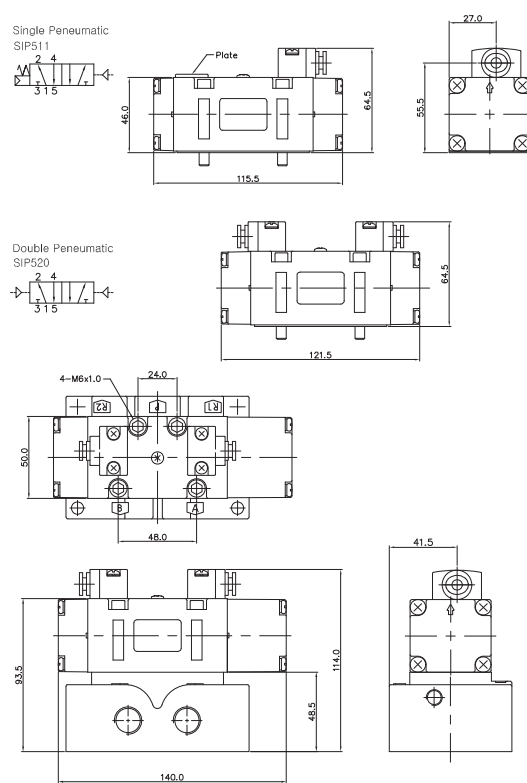


Thread	A	B	C	D
SiB52-G3/8	36.0	19.0	60.0	29.0
SiB53-G1/2	31.0	23.0	63.2	32.0
SiB54-G3/4	36.0	23.0	67.2	26.3

5Port 2Position Pneumatic Valve



SIP511



5Port 3Position Pneumatic Valve

Sub Base Ordering Code

```

graph TD
    SIB5[SIB5] --- SS[Sub Base Series]
    SIB5 --- PT[Port & Thread]
    SIB5 --- F[Function]
    1[1] --- PT
    S[S] --- F
    
```

Sub Base Series		Port & Thread		Function	
SIB5	SIV500 Solenoid Valve	0	None	S	Single Station Sub Base, Without Pilot Ports
		2	G 3/8	SP	Single Station Sub Base, With Pilot Ports
		3	G 1/2		
		4	G 3/4		
		7	NPT 3/8		
		8	NPT 1/2		
		9	NPT 3/4		

