3 Port Direct Operated Solenoid Valve Series VS3115/3110

Multiple pressure supply is possible with balanced spool sleeve.

Metal Seal

Any given port can accept high or low pressure supply without affecting the system life or operation.

No-lubrication and dry-air operation possible.





With sub-plate

Symbol

Standard Specifications

otaniaana opooni						
Fluid			Air/Inert gas			
Operating pressure ra	ange			0 to 1.0 MPa		
Proof pressure			1.5 MPa			
Ambient and fluid tem	peratu	re .		-20 to 60°C (No freezing)		
Response time (1)			10	ms or less (AC), 45 ms or less (DC)		
Max. operating freque	ency (2)		1	1,500 c.p.m. (AC), 180 c.p.m. (DC)		
Manual override				Non-locking		
Lubrication			Not required	I (Use turbine oil Class 1 ISO VG32, if lubricated.)		
Enclosure			D	ustproof [Degrees of protection 0] (4)		
Impact/Vibration resistance (m/s²)				150/50 (5)		
Electrical entry			Grommet, DIN terminal			
	Stan		100, 200 VAC, 50/60 Hz; 24 VDC			
Coil rated voltage		04!	220, 110, 48, and 24 VAC (50/60 Hz)			
		Option	100, 48, and 12 VDC			
Allowable voltage fluo	ctuation		-15 to +10% of rated voltage			
Coil insulation type				Class B or equivalent (130°C) (6)		
		Inrush	50 Hz	51		
Apparent power (VA)	AC	IIII usii	60 Hz	45		
(Power consumption (W))	AC	Holding	50 Hz	17 (5.3)		
		Holding	60 Hz	11 (2.9)		
Power consumption (W) DC		5.5				
		Bracket (AXT338-11)/For body ported type				
Accessory (Option)				Indicator light		

Note 1) Based on JIS B 8375-1981. (at 0.5 MPa, without surge voltage suppressor)

Note 2) Minimum operating frequency is once in 30 days. (Based on JIS B 8375.) Note 3) "Note 1)" and "Note 2)" are with controlled clean air.

Note 4) Based on JIS C 0920

Note 5) Impact resistance: No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and de-energized states every once for each condition. (Values at the initial period) Vibration resistance: No mailfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at

the right angles to the main valve and armature. (Values at the initial period) Note 6) Based on JIS C 4003.

Flow Characteristics/Weight

1 to tr o trait do to to to to to to to											
				Flow characteristics						Mariada (las)	
Body type	Valve model	size	e $P \rightarrow A$			$A \rightarrow E$			Weight (kg)		
		Rc	C [dm3/(s-bar)]	b	Cv	C [dm3/(s-bar)]	b	Cv	AC	DC	
Body ported	VS3115-01 □□	1/8	3.3	0.36	0.86	2.5	0.39	0.66	0.34	0.46	
Body ported	VS3115-02 □ □	1/4	3.8	0.19	0.86	3.6	0.34	0.88	0.34	0.46	
With	VS3110-02 □ □	1/4	4.0	0.12	0.93	3.2	0.31	0.76	0.40	0.52	
sub-plate	VS3110-03 □ □	3/8	4.0	0.15	0.94	3.6	0.18	0.82	0.40	0.52	
For manifold use	VS3114-00 □ □		Without si			ub-plate	0.32	0.44			

I Be sure to read before handling. Refer to front matter 53 for Safety I Instructions and pages 3 to 8 for 3/4/5 Port Solenoid Valve Precautions.

How to Calculate the Flow Rate

For obtaining the flow rate, refer to front matters 42 to 45.



VV061

VV100

V100

S070

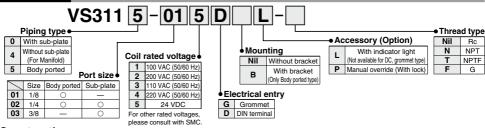
VOD

VOD-V

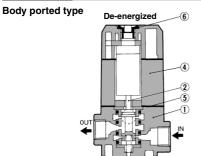
VKF VK VT VS4 VS3

Series VS3115/3110

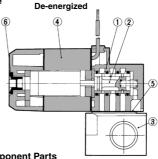
How to Order



Construction



With sub-plate



Component Parts

No.	Description	Material
1	Body	Aluminum die-casted
2	Spool/Sleeve	Stainless steel
3	Sub-plate	Aluminum die-casted

Sub-plate Assembly Part No.: VS3110-S-02

* Mounting bolts and gaskets are not attached.

Part No. for Mounting Bolt and Gasket

BG-VS3010

Replacement Parts

No.	Description	Material	Part no.						
INO.	Description	Material	VS3115-□G	VS3115-□D	VS3110-□G	VS3110-□D			
	Solenoid		SCA006-□	SCAD001-□	SCA006-□	SCAD001-□			
4	capsule assembly	DC	SCA001-□	SCAD001-□	SCA001-□	SCAD001-□			
5	Gasket	NBR	AXT3	33-14	AXT3	38-15			
6	Plug for cap	Resin		AXT3	33-16				
==									

□: Enter the operating voltage.

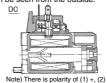
(100 VAC: 01, 200 VAC: 02, 110 VAC: 03, 220 VAC: 04, 24 VDC: 52)

Accessory (Option)

Indicator light

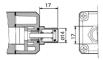
When solenoid is energized, indicator light illuminates, thus the electrical state of the solenoid can be seen from the outside.





Manual override

Remove the rubber plug on the top of the solenoid cap to mount the manual override. Push the override with a screwdriver to the required stroke and the valve will shift. Turn to the right or left at 90 degrees to lock it. Turn it back 90 degrees to unlock. Be sure to unlock the override before energizing the valve electrically.



Description	Part no.					
Description	AC	DC				
Manual override (With lock)	PB0111-3 (PB0111)	PB0111-1				
Manual override (Non-locking)	PB0101	PB0101-1				
	(): With i	ndicator light				

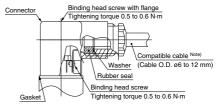
DIN terminal

Since internal connections are as shown below for the DIN terminal, make connections to the power supply accordingly.

		• •
Terminal no.	1	2
DIN terminal	+ (-)	- (+)



- Use compatible heavy duty cords with cable O.D. of ø6 to 12 mm
- · Use the tightening torques below for each section.



Note) For an outside cable diameter of ø9 to 12 mm, remove the internal parts of the rubber seal before using.

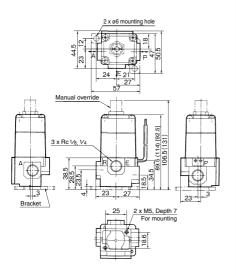


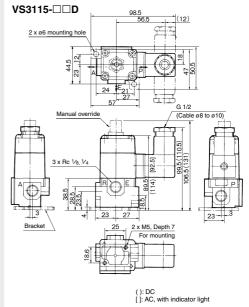
3 Port Direct Operated Solenoid Valve Series VS3115/3110

Dimensions

Body ported type

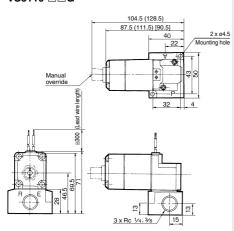
VS3115-□□G

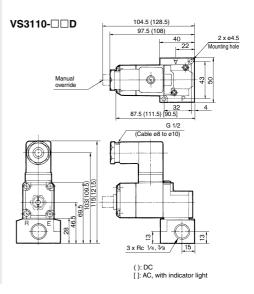




With sub-plate

VS3110-□□G





2033

VV061

VV100 V100 S070

VQD

VOD-V

VKF

VK VT VS4

Series VS3115/3110

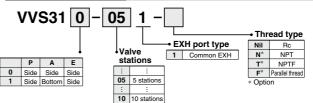
Manifold Specifications



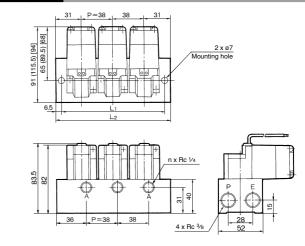
Specifications

Man	ifold type			B mount						
Max	Max. number of stations					10 stations				
Exhaust Port location/Port size				P	ort direction	n	A U Ind			
type	P	Α	E	P	Α	Е	Applicable valve model			
Common	Base	Base	Base	Side	Side	Side	VS3114-00□□			
Common	3/8	1/4	3/8	Side	Bottom	Side	V53114-00			
Acce	ssory	Blank	king plate (V	Vith gaskets	and screw)		AXT338-17A			

How to order manifold



Dimensions



(): DC []: AC, with indicator light

L	n	2	3	4	5	6	7	8	9	10
	L ₁	87	125	163	201	239	277	315	353	391
	I 2	100	138	176	214	252	290	328	366	404

L1 = 38n + 11, L2 = 38n + 24 n: Station Formula for manifold weight M = 0.16n + 0.1 (kg)

3 Port Direct Operated Solenoid Valve Series VS3135/3145

Terminal type



Metal Seal



⚠ Caution

I Be sure to read before handling. I I Refer to front matter 53 for Safety I I Instructions and pages 3 to 8 for 3/4/5 I I Port Solenoid Valve Precautions.

How to Calculate the Flow Rate

For obtaining the flow rate, refer to front matters 42 to 45.

Specifications

Jecincations				
Fluid		Air/Inert gas		
Proof pressure		1.5 MPa		
Operating pressure rang	е	0 to 1.0 MPa		
Ambient and fluid tempe	rature (°C) (1)	-20 to 60		
Lubrication (2)		Not required		
Manual override		Option (Non-locking type available)		
Electrical entry		Grommet, Conduit terminal, Dripproof conduit terminal		
Coil rated voltage	AC	100, 200 V 50/60 Hz		
Coll rated voltage	DC	24 V		
Allowable voltage fluctua	ation	-15 to +10% of rated voltage		
Coil insulation type		Class B or equivalent (130°C) (3)		
Impact/Vibration resistar	nce (m/s²)	150/50 (4)		

Note 1) If it is low temperature, dry air should be used. (No freezing)

Note 2) Use turbine oil Class 1 (ISO VG32), if lubricated,

Note 3) Based on JIS C 4003.

Note 4) Impact resistance: No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and de-energized states every once for each condition. (Values at the initial period)

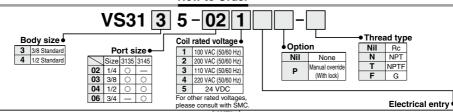
Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial period)

Model

Valve model				VS3135				VS3145							
				$P \rightarrow A$ $A \rightarrow E$				$P \rightarrow A$			$A \rightarrow E$				
				C [dm³/(s-bar)]	b	Cv	C [dm³/(s-bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv	C [dm³/(s·bar)]	b	Cv
Flow			1/4	6.1	0.3	1.5	6.1	0.4	1.6	_	_	_	_	_	_
charact	eris	tics	3/8	7.2	0.2	1.8	7.3	0.2	1.8	_	_	_	_	_	_
			1/2	9.0	0.2	2.3	9.0	0.3	2.4	18	0.27	4.8	16	0.34	4.1
			3/4	_	_	_		_	_	20	0.21	5.1	15	0.46	4.5
Respons	se ti	me (1)	AC	30 or less					30 or less						
(ms)			DC	60 or less					80 or less						
Max. ope	erat	ing (2)	AC	300 or less					180 or less						
frequenc	су (с	p.m.)	DC	180 or less				180 or less							
MAZ-1-I-A Z	(1 \)		AC	0.8				1.6							
Weight (Kg)		DC				1.1			2.4					
Annarent	(VA) AC 50 Hz 20		50 Hz			10	0			300					
nowor			0				360								
(VA)			0)			50								
Power	Holding 60 Hz 14					60									
consumption (W)		DC				13	3.2			24					

Note 1) Based on JIS B 8375-1981. (at 0.5 MPa, without surge voltage suppressor) Note 2) Min. operating frequency is once in 30 days. (Based on JIS B 8375.) Note 3) "Note 1)" and "Note 2)" are with controlled clean air.

How to Order



	please cons	ult with Si	MC. Electrical entry
Nil	Grommet	WTL	Dripproof conduit terminal, With light
T	Conduit terminal	WTLZ	Dripproof conduit terminal, With light/surge voltage suppressor (With AXT307-1-□)
TL	Conduit terminal, With light	WTB	Dripproof conduit terminal (Metallic fittings compliant with standards used.)
TZ	Conduit terminal, With surge voltage suppressor (With AXT307-1-□)	WTBL	Dripproof conduit terminal (Metallic fittings compliant with standards used.), With light
TLZ	Conduit terminal, With light/surge voltage suppressor (With AXT307-1-□)	WTBZ	Dripproof conduit terminal (Metallic fittings compliant with standards used.), With surge voltage suppressor (With AXT307-1-11)
WT	Dripproof conduit terminal	WTBLZ	Dripproof conduit terminal (Metallic fittings compliant with standards used.), With light/surge voltage suppressor (With AXT307-1-0)
WTZ	Dripproof conduit terminal, With surge voltage suppressor (With AXT307-1-□)		

VV100 V100

S070

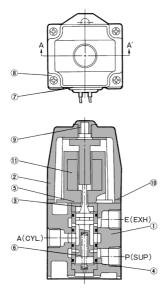
VQD

VOD-V

VKF VK

VS4

Construction



A-A' cross section

Component Parts

	• • • • • • • • • • • • • • • • • • • •								
No.	Description	Material							
1	Body	Aluminum die-casted							
2	Solenoid cover	Aluminum die-casted							
3	Spool/Sleeve	Stainless steel							
-									

11) Solenoid Coil Assembly Part No.

Electrical entry	Voltage	Part no.				
Electrical entry	voltage	VS3135	VS3145			
	100 VAC	A01-01	A12-01			
Grommet	200 VAC	A01-02	A12-02			
	24 VDC	VS4000-A07-52	A08-52			
Conduit	100 VAC	A01-01-63	A12-01-63			
	200 VAC	A01-02-63	A12-02-63			
terminal	24 VDC	VS4000-A07-52	A08-52-63			

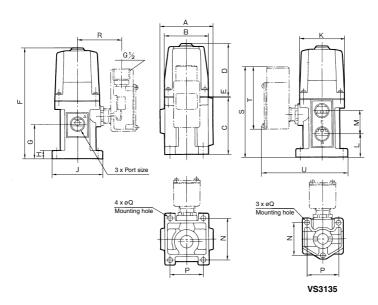
Replacement Parts

No.	Description	Material	Part no.				
NO.	No. Description	Ivialeriai	VS3135	VS3145			
4	Сар	Resin	_	_			
5	Bushing	Resin	XT013-13-2	XT021-12			
6	Spring	Steel wire	_	_			
7	Rubber plug for wire	NBR	XT010-20	XT010-20			
8	Round head combination screw	Steel wire	XT010-21#1	XT010-21#1			
9	Plug for cover	NBR	XT041-1	XT041-1			
10	Gasket	NBR	XT013-31-2	NXT030-8			

3 Port Direct Operated Solenoid Valve Series VS3135/3145

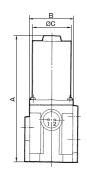
Dimensions

VS3135/3145



Mandal	Port size		Ь	_	_	_	-	_	н	١.	v	١.	М	N	D	øQ	Teri	minal c	limens	ions
Model	Rc	А	P	٠ ا	ט	=	「	G	п	J	_ r	L	IVI	IN	P	ØQ	R	S	Т	U
VS3135-02																				
VS3135-03	1/4, 3/8, 1/2	64	64	65	70	1	136	35	9	64	54	19	32	50	50	7	60	120	96	118
VS3135-04	' '																			
VS3145-04	1/2,3/4	82	68	88	92	-	181	53	12	81	70	35	36	66	52	9	66	140	96	133
VS3145-06	72,94	02	00	00	92	' '	101	53	12	01	//	35	36	00	52	9	00	140	96	133

DC



Model	Port size Rc	Α	В	øС
VS3135-02 VS3135-03 VS3135-04	1/4, 3/8, 1/2	129	64	50.8
VS3145-04 VS3145-06	1/2, 3/4	196	68	60.5



VV061

VV100 V100 S070

VQD

VQD-V VKF

VK VT

VS4 VS3

5 Port Direct Operated Solenoid Valve

Series VS4□10

Metal Seal

Model

				Flow characteristics							Response (2		Majak	(3)	
Number of positions	Symbol	Model	Port size Rc (Nominal size)		$P\toA/B$		A	/B → EA/E	В	opera cycle		time (ms)	Weigh	it (kg)
positions				C [dm³/(s-bar)]	b	Cv	C [dm³/(s-bar)]	b	Cv	AC	DC	AC	DC	AC	DC
2	(B) (A) 2 4	VS4110-01	1/8 (6A)	3.2	0.42	0.86	3.2	0.37	0.80	1,200 18		40	45		
(Single)	WATER	VS4110-02	1/4 (8A)	4.0	0.17	0.91	3.4	0.47	0.89		180	13 or less	less	0.7	0.82
	3 1 5 (EB)(P)(EA)	VS4110-03	3/8 (10A)	4.1	0.19	0.96	3.9	0.35	1.00						
	(B) (A) 2 4	VS4210-01	1/8 (6A)	3.2	0.42	0.86	3.2	0.37	0.80	1,200 180		13 or less	40 or less	0.9	
2 (Double)	() "	VS4210-02	1/4 (8A)	4.0	0.17	0.91	3.4	0.47	0.89		180				1.14
,	3 1 5 (EB)(P)(EA)	VS4210-03	3/8 (10A)	4.1	0.19	0.96	3.9	0.35	1.00						
	W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VS4310-01	1/8 (6A)	3.1	0.37	0.80	3.2	0.35	0.82			15 or	45 04		
		VS4310-02	1/4 (8A)	3.8	0.23	0.89	3.6	0.33	0.89	360	180	less	less	0.98	1.22
3 (3 position)	(Closed center)	VS4310-03	3/8 (10A)	4.2	0.23	1.00	3.8	0.32	0.99						
(3 position)	M + 11 + 14 + 14 + 14 + 14 + 14 + 14 + 1	VS4410-01	1/8 (6A)	3.1	0.28	0.77	3.0	0.28	0.75			15 01	45.04		
		VS4410-02	1/4 (8A)	3.9	0.22	0.94	3.5	0.27	0.84	360	180	15 or less	less	0.98	1.22
	(Exhaust center)	VS4410-03	3/8 (10A)	4.0	0.26	1.00	3.7	0.32	0.94	1		1033			

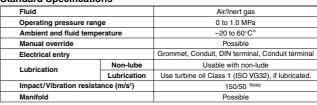
Note 1) Min. operating frequency is once every 30 days. (Based on JIS B 8375.)

Note 2) Based on JIS B 8375-1981. (At the pressure of 0.5 MPa, without surge suppressor)

Note 3) Electrical entry: From sub-plate

Note 4) "Note 1)" and "Note 2)" are with controlled clean air.

Standard Specifications



* Use dry air (Dew point: -20°C or less). If using a lubricant, be sure to use a lubricant for low temperatures. Note) Impact resistance: No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and

de-energized states every once for each condition. (Values at the initial period) Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial period)

Caution

Be sure to read before handling. Re-I fer to front matter 53 for Safety In- I I structions and pages 3 to 8 for 3/4/5 I Port Solenoid Valve Precautions.

How to Calculate the Flow Rate

For obtaining the flow rate, refer to front matters 42 to 45.

Solenoid Specifications

Coil rated voltage	100, 200 VAC, 50/60 Hz; 24 VDC
Allowable voltage fluctuation	-15 to +10% of rated voltage
Coil insulation type	Class B or equivalent (130°C) Note)

Note) Based on JIS C 4003

How to Order

	Symbol •						. 71		─ Option
1	Single						Threa		_ INII INONE
2	Double	,	VQ4 1	1	0 - 02 1		Nil	Ro	
3	Closed center			•	0 02 1		<u> </u>	NP.	— I vvitri speed I
4	Exhaust center					_	<u>T</u>	NPT	controller unit
					Coil rated voltage		F	G	
	Piping •		Port size	1	100 VAC (50/60Hz)	♦Ele	ectrical entry		
0	Side ported (Sub-plate)	00	Without sub-plate	2	200 VAC (50/60Hz)	U	Grommet	TZ	Conduit terminal, With surge voltage suppressor (With AXT307-1-□)
1	Bottom ported (Sub-plate)	01	1/8	3	110 VAC (50/60Hz)	UL	Grommet, With light (AC only)	TLZ	Conduit terminal, With light/surge voltage suppressor (With AXT307-1-□, AC only)
4	Without sub-plate	02	1/4	4	220 VAC (50/60Hz)	С	Conduit	D	DIN terminal
		03	3/8 (Bottom ported	5	24 VDC	CL	Conduit, With light (AC only)	DL	DIN terminal, With light
		03	cannot be selected.)		ther rated voltages,please	Т	Conduit terminal		DIN terminal, With surge voltage suppressor
				consult with SMC.		TL	Conduit terminal, With light (AC only)	DLZ	DIN terminal, With light/surge voltage suppressor
									0005

VV061 VV100

V100 S070

VOD VOD-V

VKF VK

Series VS4□10

Apparent Power (Power Consumption)

Apparent power (VA) (Power consumption (W))		Inrush	50Hz	51 VA (64 VA *)	
	AC	IIIIusii	60Hz	45 VA (55 VA *)	
		Holding	50Hz	17 VA (5.3/5.5 W)	
			60Hz	11 VA (2.9/3.2 W)	
Power consumption (W)		DC	5.5		

^{*} In the case of 3 position type

Option Specifications

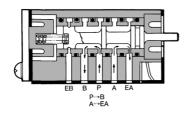
- Bottom ported (Sub-plate)
 Coil rated voltage (110/220 VAC, 12/100 VDC)

Enclosure (Based on JIS C 0920)

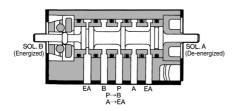
Electrical entry	Grommet (Sub-plate/ Valve body)	Conduit	DIN terminal	Conduit terminal
Dustproof	Standard	Standard	Standard	Standard
Dripproof		Option	Option	Option

Construction Principle

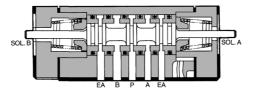
VS4110



VS4210



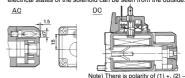
VS4310 (Closed center)



Accessory (Option)

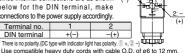
1. Indicator light (AC)

When solenoid gets energized, indicator light illuminates, thus electrical states of the solenoid can be seen from the outside.



DIN terminal

Since internal connections are as shown below for the DIN terminal, make connections to the power supply accordingly.



- Use compatible heavy duty cords with cable O.D. of ø6 to 12 mm.
- . Use the tightening torques below for each section.

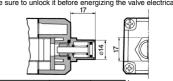


				the rubber seal
With	Manual		Applicable	
rubber plug	Non-locking	With lock	model	* Indicate the
SC0003-	SC0004B-	SC00044-	VS4110	voltage to be
300003-	300004D-	300004A-	VS4210	used.
SC0013-□	SC0014B-	CC00144 □	VS4310	(100 VAC: 01,
300013-	3C0014B-	300014A-	VS4410	200 VAC: 02)

2. Manual override

Remove rubber plug at the top of the solenoid cap to install manual override. Push the override with a screwdriver to the required stroke and the valve will shift. With the override in the same position, turn it to the right or left 90° and it will lock. Turn it back 90° to unlock.

Be sure to unlock it before energizing the valve electrically.

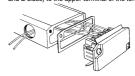


Descriptio	n	Part no.	Applicable model
Manual override	AC	PB0111	VS4110 VS4310
(With lock)	DC	PB0111-1	VS4310 VS4410
Manual override			VS4210
(Non-locking)	DC	PB0101-1	V54210

In the case of a 2 position double solenoid valve. use a non-locking manual override because it has a locking function in the

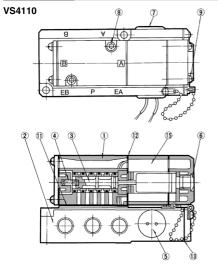
3. Terminal wiring

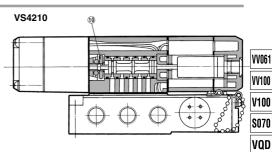
· Lead wire from the solenoid is connected to the lower terminal of the terminal block under the junction cover of sub-plate. Connect the lead wire of the power supply corresponding to the solenoid (single solenoid: A side/double solenoid: both A and B sides) to the upper terminal of the terminal block.

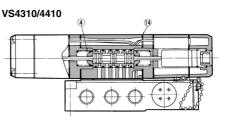


5 Port Direct Operated Solenoid Valve $Series\ VS4\square 10$

Construction







Sub-plate Assembly Part No.

- market in the control of the contr								
Electrical entry	Part no.							
C: Conduit	VS4010-CS- 01 02 03							
T: Conduit terminal	VS4010-TS- 01 02 03							
U: Grommet, D: DIN terminal	VS4010-S- 02							

^{*} Mounting bolt and gasket are not included.

Part No. for Mounting Bolt and Gasket

BG-VS4010

Component Parts

No.	Description	Material
1	Body	Aluminum die-casted
2	Sub-plate	Aluminum die-casted
3	Spool/Sleeve	Stainless steel
4	Spring	Piano wire
5	Rubber plug for wire	NBR
6	Plug for cap	NBR
7	Rubber plug	NBR
8	Mounting bolt	Carbon steel
9	Mounting screw	Carbon steel
10	Detent assembly	
11	Gasket	NBR
12	Gasket	NBR
13	Gasket	NBR
14	Gasket	NBR

(15) Solenoid Capsule Assembly (With rubber plug)

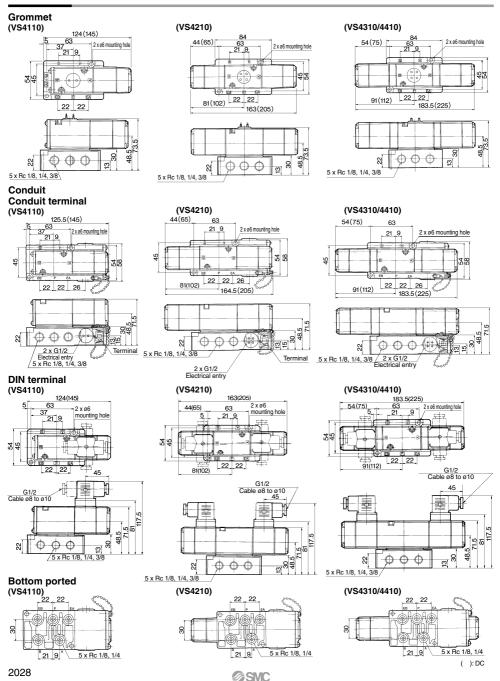
	•		Part no.			
	Specifications		VS4110/4210	VS4310/4410		
Standard	Grommet/Conduit d Conduit terminal		SCA001-□	SCA011-□		
	DIN terminal		SCAD001-□	SCAD011-□		
Option	With indicator light Grommet/Conduit Conduit terminal	AC	SCA003-□	SCA013-□		
	With indicator light DIN terminal	AC DC	SCAD003-□	SCAD013-□		

^{*} Indicate the used voltage.(100 VAC: 01, 200 VAC: 02, 110 VAC: 03, 220 VAC: 04, 24 VDC: 52)

VQD-V
VKF
VK
VT
VS4
VS3

Series VS4□10

Dimensions



Series VVS410

Manifold Specifications



Conduit Grommet Conduit terminal

Specifications

Applicable valve	VS4110/4210/4310/4410			
Valve stations	Max. 10 stations (Standard)			
Accessory	With terminal * With interface regulator * With stop valve/With flow controls			

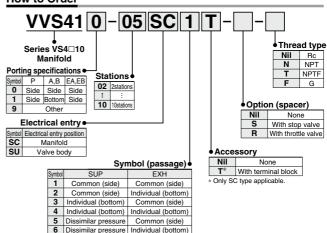
* Option

Standard Piping Specifications

	Type	Configuration		Conduit * port size		
	туре	Configuration	Р	A, B	EA, EB	G
ıl	Common EXH		1/ ₄ , 3/ ₈ (Side)	1/8 , 1/4 (Side)	1/4 , 3/8 (Side)	1, 11⁄4
	Individual EXH	000	1/ ₄ , 3/ ₈ (Side)	1/ ₈ , 1/ ₄ (Side)	1/ ₈ , 1/ ₄ (Bottom)	1, 1,74

^{*} Optional piping: Individual SUP and different pressure SUP. But it will be the bottom porting specifications. Note) Each port size will be a big size for standard. When the small size is desired, indicate separately.

How to Order



⚠ Precautions

Be sure to read before handling. Refer to front matter 53 for Safety I Instructions and pages 3 to 8 for 3/4/5 Port Solenoid Valve Precautions.

Mounting

⚠ Caution

- 1. SUP port and EXH port are positioned on both sides of manifold block. Air can be supplied from either side, however, the unused port must be plugged in this case. When operating 6 or more valve stations within a manifold at the same time, take SUP air pressure from both sides and open EXH port to the atmosphere.
- When manifolding an exhaust center 3 position valve, use the individual EXH style manifold. (Back pressure may cause actuator to malfunction.)



VV061

VV100

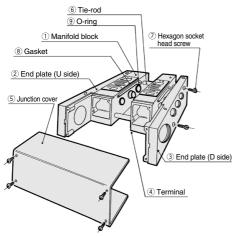
V100 S070 VOD

VQD-V VKF VK

VS4

Series VVS410

Construction



• Replacement Parts: Sub-assembly

Ī	No.	Description	Assembly part no.	Electrical entry			
_			AXT336-1A-1 01 02	Type SC (T only)			
	1	Manifold block assembly	AXT336-1A-2 01 02	Type SU			
			AXT336-1A-3 01 02	Type SC			
	2	End plate (U side) assembly	AXT336-2A-1- 02	Type SC			
	_	End plate (O side) assembly	AXT336-2A-2- 02 03	Type SU			
	3	End plate (D side) assembly	AXT336-3A-1- 02	Type SC			
	3		AXT336-3A-2- 02	Type SU			
	4	Terminal assembly	AXT622-5A				
	5	Junction cover assembly	AXT336-4A- Stations				
_	6	Tie-rod	AXT336-5- Stations				

Replacement Parts

No.	Description	Material	Part no.		
7	Hexagon socket head screw	Carbon steel	M6 x 25		
8	Gasket	NBR	AXT335-12-3		
9	O-ring	NBR	AS568-015		

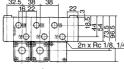
Manifold Optional Parts Assembly

Option	Part no.		
Blanking plate	AXT336-7A		
Throttle valve spacer	AXT392A		
Stop valve spacer	AXT395A		
Interface regulator	ARB110-00-1 (P port regulation) 2 (A/B port regulation)		
Block disk	AXT336-6		
Rubber plug	AXT336-9		

Dimensions

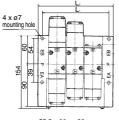


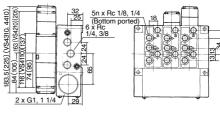




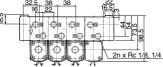
Formula/Stations	2	3	4	5	6	7
$L_1 = 38n + 27$	103	141	179	217	255	293
L ₂ = 38n + 44	120	158	196	234	272	310

Formula for manifold weight M = 0.405n + 0.49 (kg)





Type SU (Electrical entry position: Valve body



	Formula/Stations	2	3	4	5	6	7
	$L_1 = 38n + 27$						
	L ₂ = 38n + 44	120	158	196	234	272	310
Formula for manifold weight M = 0.325n + 0.39 (kg)							

4 x 07 mounting hole

