3 Port Direct Operated Poppet Rubber Seal Series VT307

Large Flow Capacity, yet Compact Size.

Dimensions (W X H X D)-----30 X 54.5 X 33 VT307......Ne/min 206.02 or more, 1/4

Low Power Consumption

VT/VO3074.8W DC/Standard Style VT/VO307Y VT/VO307W)......2W DC/Energy Saving Style

Suitable for Use in Vacuum Applications

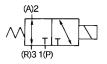
-101.2kPa (Vacuum Style: VT/VO307V, VT/VO307W)

1 Valve, 6 Functions.

(Universal Porting) Selective porting can provide 6 valve functions, such as N.C. valve, N.O. valve, Divider valve, Selector valve etc.



JIS Symbol



Model

			_ JI
	Single unit	Manifold style	0.
Standard	VT307	VO307	– sy
Continuous duty	VT307E	VO307E	- 31
Energy saving	VT307Y	VO307Y	
Vacuum	VT307V	VO307V	_ VK
Energy saving/Vacuum	VT307W	VO307W	

Manifold

Model	Applicable manifold	Accessories
VO307□	Common or individual exhaust	Switching plate (DXT152-14-1A)* Mounting screw (NXT013-3)

*) Not applied to "Continuous Duty style"

Standard Specifications

Actuation			Direct operated 2 position single solenoid			
Fluid			Air			
Operating pressure range				0 to 0.	9 MPa	
Ambient and fluid temperature	Э		0	(No condens	sation) to 50°	C
Response time (1)			20ms or less (0.5MPa)			
Max. operating frequency				10	Hz	
Lublication			Not required (If	using a lubricant,	use turbine oil clas	ss 1 ISO VG32.)
Manual override				Non-locking	g push style	
Mounting orientation				Fr	ee	
Impact/Vibration resistance (2)			150/5	0m/s ²	
Enclosure		Dust proof				
Effective area mm ² ⁽³⁾	Por	t size	P→A	A→R	A→P	R→A
$(N\ell/min)^{(4)}$	1	/8	3.9 (206.12)	3.9 (206.12)	3.5 (186.49)	3.6 (196.3)
	1	/4	3.9 (206.12)	4.0 (215.93)	4.2 (225.75)	3.8 (206.12)
Weight			0.14kg			
Accessories(options)			Bracket (DXT152-25-1A) with screws			
Electrical entry			DIN connector			
Valtage	AC(50/60Hz)		100, 200, 24*, 48*, 110*, 220*, 240*			
Voltage	[C	24, 6*, 12*, 48*, 100*			
Allowable voltage			-15% to +10% of rated voltage			
A	AC	Inrush	12.7VA (50Hz) 10.7VA (60Hz)			
Apparent power ⁽⁴⁾⁽⁵⁾	AC	Holding	7	.6VA (50Hz)	5.4VA (60H	z)
Power consumption (4) (5)	[DC DC	Without light: 4.8W, With light: 5W			: 5W
Indicator light and surge suppressor	AC		ZNR (Varister), Neon lamp			
indicator light and surge suppressor	DC		Diode, LED (Neon lamp for 100V or more)			



Note 1) Based on dynamic performance test JIS B8374-1981. (Coil temperature 20C°, at rated voltage, without surge voltage suppressor.)

Note 2) Impact resistance: No malfunction resulted from the impact test using a drop impact tester. The test was performed on the axis and right angle directions of the main valve and armature, for both energized and de-energized states.

Vibration resistance: No malfunction occured in a one-sweep test between 45 and 1000 Hz.

Test was performed at both energized and de-energized states to the axis and right angle directions of the main valve and armature. (Value

in the initial stage.)

Note 3) This is the value for single valve. For manifolds, refer to "Manifold Specifications" on p.2.5-5. Note 4) The value is different for continuous duty style (VT307E), and energy saving style

(VT307Y/W). Refer to "Option Specifications" on p.2.5-2.

Note 5) At rated voltage.



CV

VQ VQZ

VG

Option Specifications

Continuous Duty Style: VT307E

Exclusive use of VT307E is recommended for continuous duty with long time loading.

▲ Caution

- This model is for continuous duty, not for high cycle rates. But even in low cycle rate, if energizing valve more than once a day, consult SMC.
- 2. Energizing solenoid should be done at least once in 30 days.

Specifications different from standard are as follows.						
Apparent power/AC		Inrush	Inrush 7.9VA (50Hz), 6.2VA (60Hz)			
Apparent	power/AC	Holding	Holding 5.8VA (50Hz), 3.5VA (60Hz)			
Power cons	umption/DC	2W, 2.	2W, 2.2W (With indicator light)			
Response time (1)		30ms or less (0.5MPa)				
Effective area mm ²	Port size	P→A	A→R	A→P	R→A	
	1⁄8	2.4	2.1	2.3	2.1	
		(127.6)	(107.97)	(117.78)	(107.97)	
(Ne/min)	1/	2.6	2.4	2.6	2.4	
	1/4	(137.41)	(127.6)	(137.41)	(127.6)	
Note 1) Refer to p.2.5-1.						

Energy Saving Style: VT307Y (VT307W)

If low power consumption is required for electronic control, "VY307Y"(2WDC) is recommended.

Specifications different from standard are as follows.

Power consumption/DC		2W*, 2.2W (With indicator light)			
Response time (1)		25ms or less (0.5MPa)			
Effective	Port size	P→A	A→R	A→P	R→A
area	1⁄8	2.4	2.1	2.3	2.1
mm ²		(127.6)	(107.97)	(117.78)	(107.97)
(Ne/min)	1/	2.6	2.4	2.6	2.4
	1/4	(137.41)	(127.6)	(137.41)	(127.6)

*100V DC: 2.4W Note 1) Refer to p.2.5-1.

- - -

Vacuum Style: VT307V (VT307W)

This vacuum model has less air leakage than the standard model under low pressure.

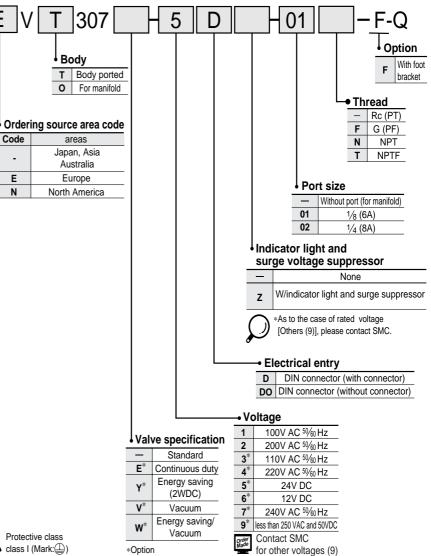
▲ Caution

Since this valve has slight air leakage, it can not be used for vacuum holding (including positive pressure holding) in the pressure container.

Specifications different from standard are as follows.

Operating pressure range	-101.2kPa to 0.1MPa

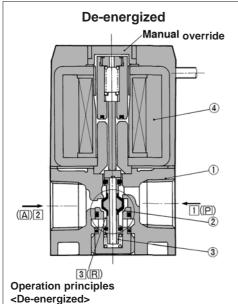
How to Order



*Option



Construction

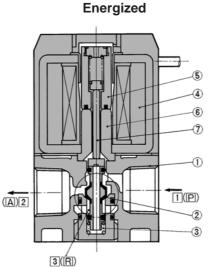


Spool valve ② is pushed upward by the return spring ③, port [P] is closed, and then port [A] and port [R] are opened. Air flow direction:

 $Port \ [P] \longleftrightarrow Block, \ [A] \longleftrightarrow [R]$

Component Parts

	•		
No.	Description	Material	Notes
1	Body	Aluminum die cast	Color: Platinum silver
2	Spool valve	Aluminum, NBR	
3	Return spring	Stainless steel	
(4)	Molded coil	Resin	



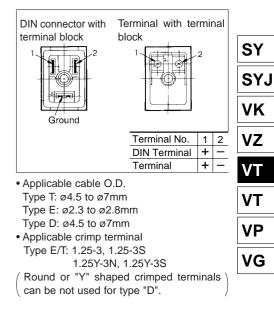
<Energized>

When an electric current is applied to the molded coil 4, the armature 5 is attracted to the pole 6, and through the push rod 7, it pushes down the spool valve 2. Then port [P] and port [A] are connected. At this time, there will be gaps between the armature $\Huge{5}$ and the pole $\Huge{6}$, but the armature will be magnetically attracted to the pole $\Huge{6}$. Air flow direction:

 $\mathsf{Port}\ [\mathsf{P}] \longleftrightarrow \mathsf{Port}\ [\mathsf{A}],\ \mathsf{Port}\ [\mathsf{R}] \longleftrightarrow \mathsf{Block}$

Wiring

DIN connector (with indicator light and surge voltage suppressor) are connected inside as in the figure below. Connect to the corresponding power supply.



Lead Wire C	Colour	
Voltage	Colour	VQ
100V AC	Blue	
200V AC	Red	
DC	Red (+), Black (-)	IQL
Others	Gray	-

.

Precautions

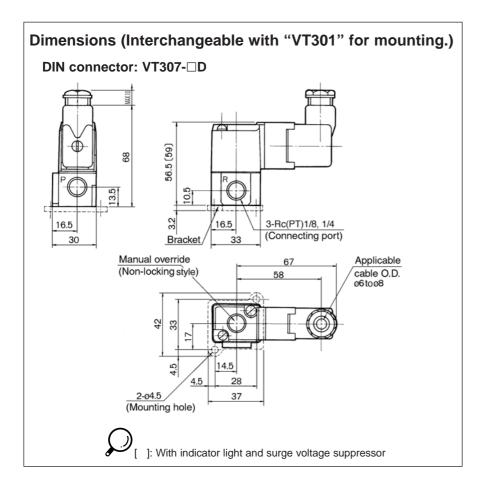
- Be sure to read before handling.
- Refer to p.0-33 to 0-36 for Safety
- Instruction and common precautions.

▲ Caution

 Make sure that dust and/or other foreign materials should not enter the valve from the unused port such as exhaust port. Also, since there is a bleed port for the armature in the manual override part, do not allow accumulation of dust and/or other foreign materials to block bleed port.

How to Calculate Flow Rate

Refer to p.0-36 for the calculation of flow rate.



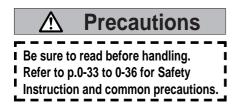
Series VT307 Manifold

VT307 manifold is B mount style and available both as a common exhaust and individual exhaust model.

Manifolded valve can be easily converted from N.C. normally closed to N.O. normally open merely by turning over the switch cover.



VV307-01-063-□-F



Mounting

▲ Caution

①Each valve is fixed to the manifold base with two M4 mounting screws. Tighten the screws evenly when re-mounting.

②For mounting, tighten M4 or equivalent screws evenly into the mounting holes of the manifold base.

Tightening torque of the mounting screw (M4): 1.4Nm

Piping

①For the common exhaust style, pressurization or evacuation of the R-port can cause malfunction.

Specifications

Manifold		B Mount			
Max. number of stations		20 *			
Applicable solenoi		il valve		VO307□-□□□	-Q
Exha	ust port	Port lo	cation (piping)/Pc	ort size	Effective area (mm ²)
Code	Style	Р	A	R	(Ne/min)
2	Common	$\frac{\text{Base (side)}}{\frac{1}{8}}$	$\frac{\text{Base (side)}}{\frac{1}{8}}$	$\frac{\text{Base (side)}}{1/8}$	1.7 (88.34) ····VO307 (V)
3	Individual	$\frac{\text{Base (side)}}{\frac{1}{4}}$	$\frac{\text{Base (side)}}{\frac{1}{8}, \frac{1}{4}}$	$\frac{\text{Base (top)}}{1/8}$	(1.5 (78.52) ····VO307Y (E)



* If operating with 6 valves or more, apply supply pressure to both of the P ports of the manifold. The common exhaust style should exhaust from both of the R ports.

Option

Description	Part No.
Blank plate (with gasket, screw) (1)	DXT060-51-13 ^A B

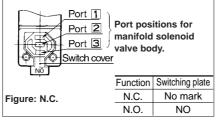
Accessories

Description	Part No.
Switching plate (with gasket) (1)	DXT152-14-1 ^A
Mounting screw (2)	NXT013-3
_	•

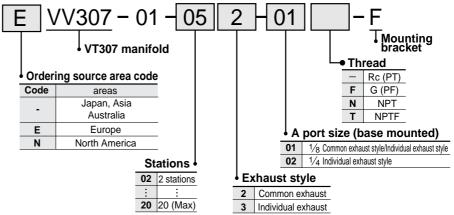
Note 1) "DXT060-51-13B" and "DXT152-14-1B" are for long time loading.

Note 2) For mounting single solenoid valve for manifolds.

Changing from N.C. to N.O. This product is delivered as N.C. valve. If N.O. valve is needed, remove mounting screws of the required valve and turn over the switching plate. (Make sure that there are gaskets on both sides of the plate.) Then, tighten the mounting screws to fix the valve to the manifold base.

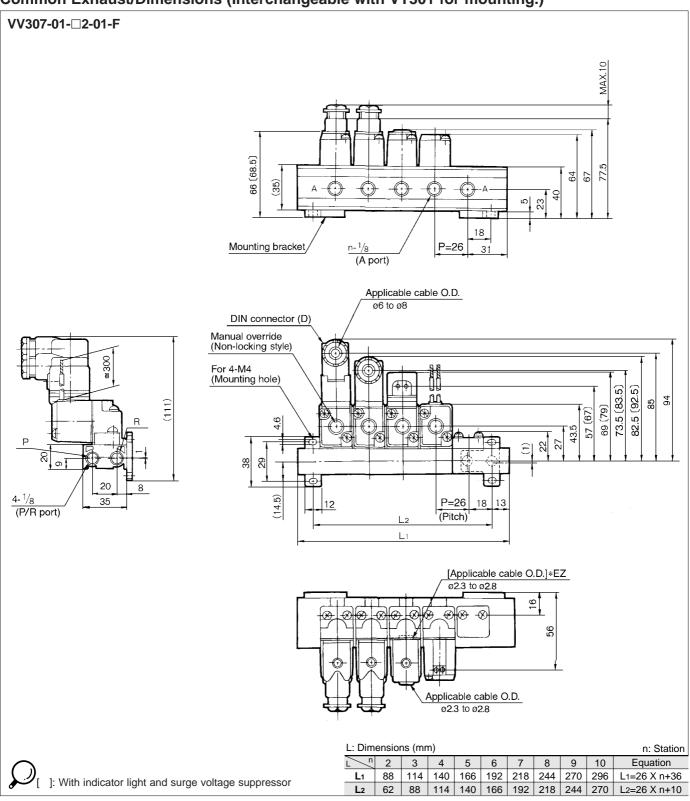


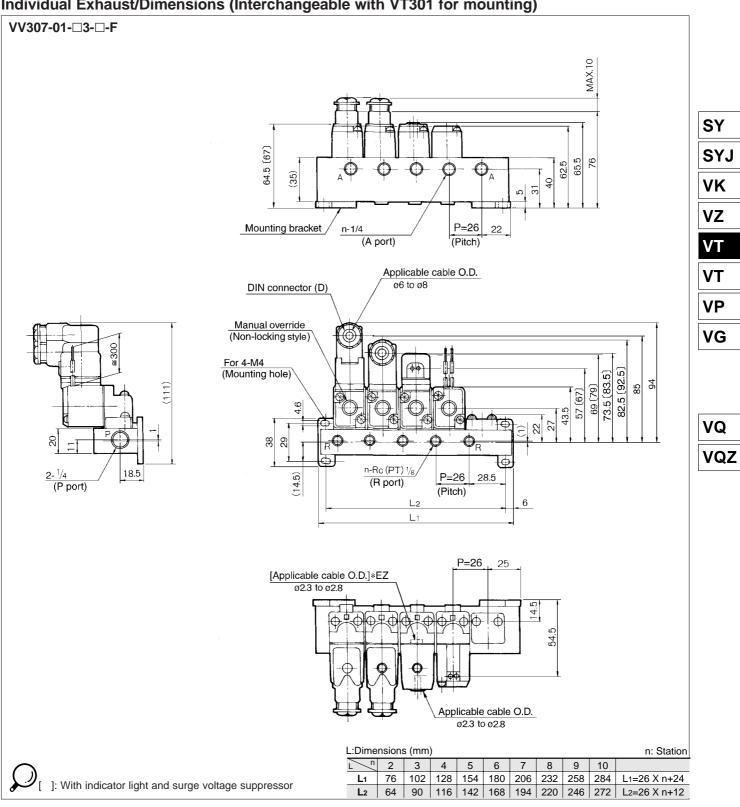
How to Order Manifold Base



VQ
VQZ







Individual Exhaust/Dimensions (Interchangeable with VT301 for mounting)

3 Port Direct Operated Poppet Rubber Seal Series VT317

Large Flow Capacity, yet Compact Size.

Dimensions(W X H X D).....45 X 89.5 X 45 VT317.....Nt/min 687.05 1/4

Suitable for Use in Vacuum Applications -101.2kPa

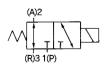
(Vacuum Model: VT/VO317V)

1 Valve, 6 Functions.

(Universal Porting) Selective porting can provide 6 valve functions, such as N.C. valve, N.O. valve, Divider valve, Selector valve etc.



JIS Symbol



Model

	Single unit	Manifold style
Standard	VT317	VO317
Continuous duty	VT317E	VO317E
Vacuum	VT317V	VO317V

Manifold

Moldel	Applicable manifold style	Accessories
VO317□	Common or individual exhaust	O ring (P10-4 pcs.) Bolts (M4 X 20-2 pcs.)

Standard Specifications

Actuation			Direct operated 2 positon single solenoid	
Fluid		Air		
Operating pressure range		0 to 0.9MPa		
Ambient and fluid temperature			0 (No condensation) to 50°C	
Response time ⁽¹⁾		30ms or less (0.5MPa)		
Max. operating frequency			10Hz	
Lubrication			Not required (If using a lubricant, use turbine oil Class 1 ISO VG32.)	
Manual override			Non-locking push style	
Mounting position			Free	
Impact/Vibration resistance (2	2)		150/50m/s ²	
Enclosure			Dust proof	
Effective area mm ² (Ne/min) (3	5)		12.6(687.05)	
Weight			0.29kgf	
Electrical entry			DIN connector	
Valtaga	AC(50	0/60Hz)	100, 200, 24*, 48*, 110*, 220*, 240*	
Voltage DC		DC 0	24, 6*, 12*, 48*, 100*	
Allowable voltage			–15% to+10% of rated voltage	
Apparent power (4)		Inrush	19VA (50Hz), 16VA (60Hz)	
Apparent power (4)	AC	Holding	11VA (50Hz), 7VA (60Hz)	
Power consumption (4)	[DC DC	Without light: 6W, With light: 6.3W	
Indicator light and surge suppressor		AC	ZNR (Varister), Neon lamp	
indicator light and surge suppressor	DC		ZNR (Varister), LED (Neon lamp for 100V or more)	



Note 1) Based on dynamic performance test JIS B8374-1981. (Coil temperature 20C°, at rated voltage, without surge voltage suppressor.)

Note 2) Impact resistance: No malfunction resulted from the impact test using a drop impact tester. The test was performed on the axis and right angle directions of the main valve and armature, for both energized and de-energized states.

Vibration resistance: No malfunction occured in a one-sweep test between 45 and 1000 Hz. Test was performed at both energized and de-energized states to the axis and right angle directions of the main valve and armature. (Value in the initial stage.)

Note 3) This is the value for single valve. For manifold type, refer to "Manifold Specifications" on p.2.5-12.

Note 4) At rated voltage.



VT317

Option Specifications

Continuous Duty Style: VT317E

Exclusive use of VT317E is recommended for continuous duty with long time loading.

▲ Caution

- 1. This model is for continuous duty, not for high cycle rates. But even in low cycle rates, if energizing the valve more than once a day, consult SMC.
- 2. Energizing solenoid should be done at least once in 30 days.

Vacuum Style: VT317V

This vacuum model has less air leakage than the standard model under low pressure. It is recommended for vacuum applications.

▲ Caution

 Since this valve has slight air leakage, it can not be used for vacuum holding (including positive pressure holding) in the pressure container.

Specifications different from standard are as follows. Operating pressure range |-101.2kPa to 0.1MPa

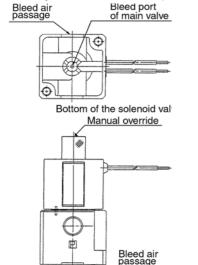
▲ Precautions

Be sure to read before handling. Refer to p.0-33 to 0-36 for Safety

Instruction and common precautions.

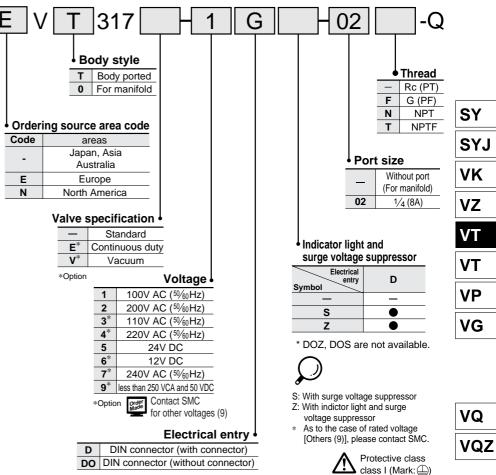
▲ Caution

- A bleed port for the main valve is located at the bottom of the solenoid valve. Since blocking it causes malfunction, do not block it.
- * When mounted on the metallic surface, bleeding is normally done from the bleed port through the bleed groove, but when mounted on an elastic surface, elastic shape deformation may close the port.
- Make sure that dust and/or other foreign materials should not enter the valve from the unused port such as exhaust port. Also, since there is a bleed port for the armature in the manual override, do not allow accumulation of dust and/or other foreign materials to block bleed port.



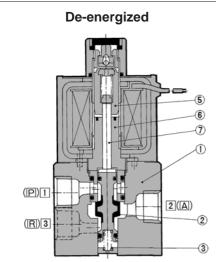
How to Calculate Flow Rate Refer to p.0-36 for the calculation of flow rate.

How to order



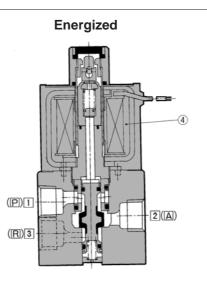
T317

Construction



Operation principles <De-energized>

Spool valve 2 is pushed upward by the return spring 3, port [P] is closed, and port [A] and port [R] are opened.



<Energized>

When an electric current is applied to the molded coil ④, the armature ⑤ is attracted to the pole ⑥, and through the push rod $\overline{\mathcal{O}}$, it pushes down the spool valve 2. Then port [P] and port [A] are connected. At this time, there will be gaps between the armature 5 and the pole 6, but the armature will be magnetically attracted to the pole 6.

Component Parts

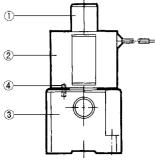
	•		
No.	Description	Materrial	Notes
1	Body	Aluminum die cast	Color: Platinum silver
2	Spool valve	Aluminum, NBR	

Caution **Change of Electrical Entry Angle**

1) Series VT317 can change electrical entry angle. (4 positions)

2) How to change:

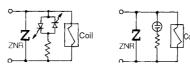
Loosen the nut ①, remove the coil ② from the body assembly 3, place the positioning pin ④ at the required place, put back the coil 2 to its place, and tighten sufficiently with lock nut 1.



Indicator light and surge voltage supressor

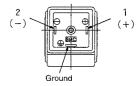
2) DC

- **DIN connector/Conduit terminal** • With surge voltage suppressor (S)
 - ZNR
- With indicator light and surge suppressor (Z) 100V DC 48V DC or less



Wiring

DIN connector is connected inside as in the figure below. Connect to the corresponding power supply.

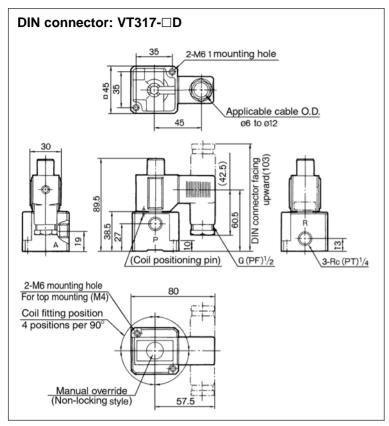


• Applicable cable O.D. ø6 to ø12

Note)For those with an external measurement of ø9 to ø12, remove the inner portion of the ground gasket before using.

• Applicable crimping terminal The maximum size for the round terminal is 1.25mm²-3.5 and for the Y terminal is 1.25mm²-4.

Dimensions (mm)



SY
SYJ
VK
VZ
VT
VT
VP
VG

VQ
VQZ

Series VT317 Manifold

VT307 manifold is B mount style and available both as a common exhaust and individual exhaust model.



Specifications

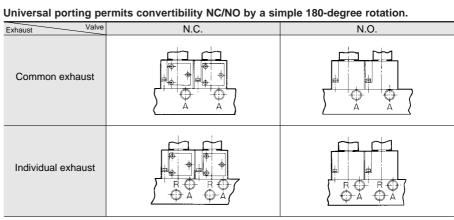
Caution

	Manifold styl	e		B Mount	
Ma	ax. number of st	ations		20 (1)	
Ар	plicable solenoi	d valve		VO317□-□□□	(3) - Q
Ext	naust	Port lo	cation (piping)/Po	ort size	Effective area (mm ²)
Code	Style	Р	A	R	(Nt/min)
1	Common (2)	$\frac{\text{Base (side)}}{\frac{1}{4}(\frac{3}{8})}$	$\frac{\text{Base (side)}}{\frac{1}{4}}$	$\frac{\text{Base (side)}}{\frac{1}{4}(\frac{3}{8})}$	10
3	Individual	$\frac{\text{Base (side)}}{\frac{1/4}{}}$	Base (side) 1/4	$\frac{\text{Base (side)}}{\frac{1/4}{4}}$	(549.64)

The common exhaust style should exhaust from both of the R ports. Note 2) In the case of common exhaust type, R and P ports size can be 3/8 by using a mounting adaptor.

Note 3) Can also be applied to Series VVT320 manifold.

Changing from NC to NO



Precautions

Individual exhaust

VV317-02-053-02

- Be sure to read before handling. L
- Refer to p.0-33 to 0-36 for Safety

Instruction and common precautions.

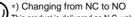
Mounting

▲ Caution

- 1) Each valve is fixed to the manifold base with two M4 mounting screws. Tighten the screws evenly when re-mounting. Tightening torque of the mounting screw (M4): 1.4Nm
- 2 For mounting, tighten M4 or equivalent screws evenly into the mounting holes of the manifold base.

Ordering source area code

Code	areas
	Japan, Asia
-	Australia
Е	Europe
Ν	North America



This product is delivered as N.C. valve.

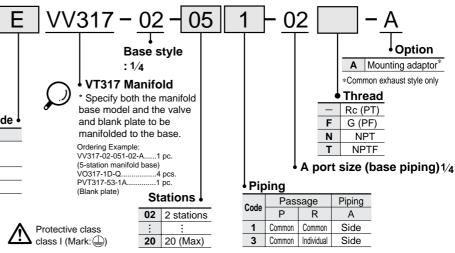
If N.O. valve is needed, remove mounting screws of the required valve and turn the valve at 180 degrees. (Make sure that there are O rings fixed on 4 positions of the valve surface.) Then, tighten the mounting screws to fix the valve to the manifold base.

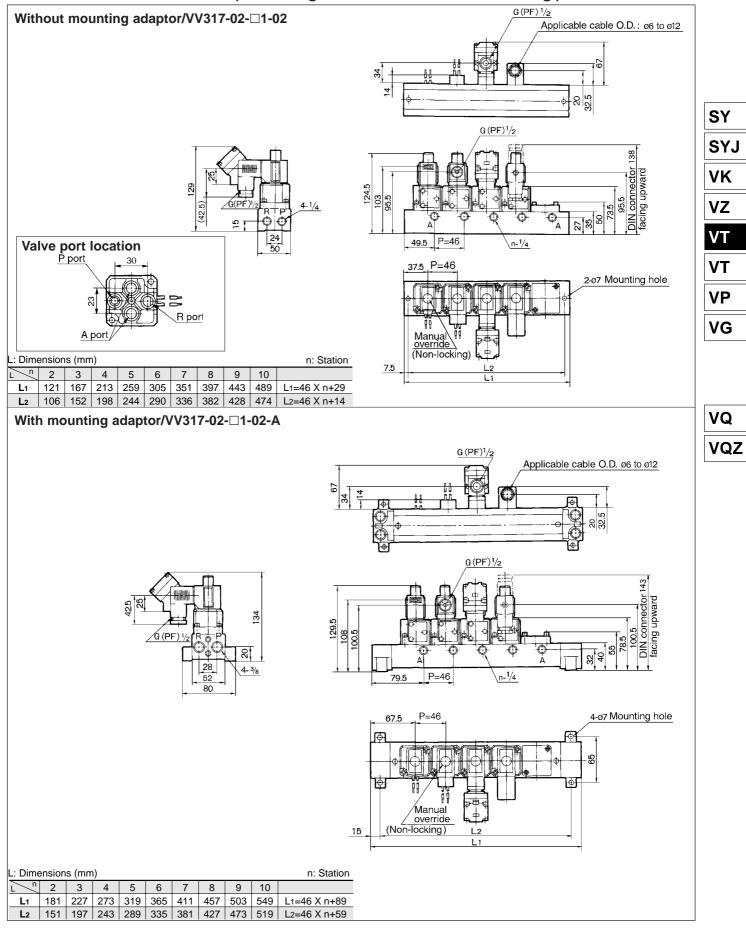
Option

Description	Part No.
Blank plate (With screw, O ring)	PVT317-53-1A
Mounting adaptor	DXT010-37-4
(with screw)	(for common exhaust)

How to Order Manifold Base

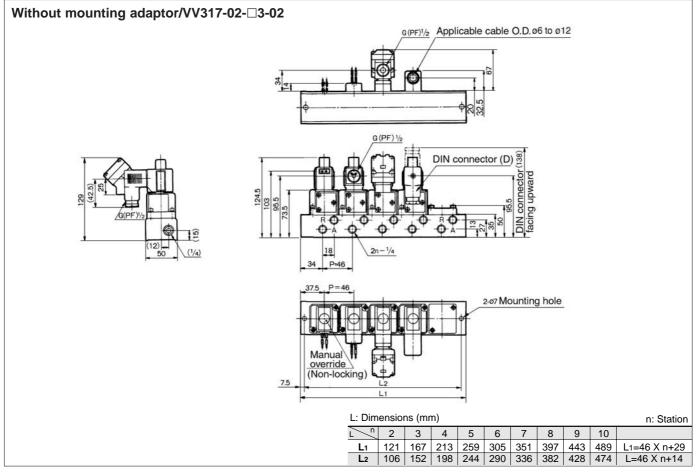
∕∂SMC





Common Exhaust/Dimensions (Interchangeable with VVT320 for mounting.)

Individual Exhaust/Dimensions (mm)



3 Port Poppet Rubber Seal Series VT325

Compact yet provides a large valve capacity

Dimensions (W X H X D) ...55 X 118 X 53 VT325: Nt/min 1472.25...3/8

A single valve with 6 valve functions (Universal porting style)

Six valve functions can be attained by selecting the piping ports. (Enabling the NC valve, NO valve, divider valve, selector valve, etc. to be used as desired.)

Can be used for vacuum applications

-101.2kPa (Vacuum style: VT/VO325V)



VT325-□□D

Specifications

Actuation	Direct operated 2 position single solenoid	_
Fluid	Air	
Operating pressure range	0 to 1.0MPa	
Ambient and fluid temperature	5 to 50°C	Γ
Max. operating frequency	5Hz	
Response time ⁽¹⁾	30ms or less (at 0.5MPa)	
Effective area (Ne/min) (2)	27mm ² (1472.25: 3⁄ ₈), 25mm ² (1374.1: 1⁄ ₄)	
Lubrication	Not required (Use turbine oil class 1 ISO VG32 for lubrication)	
Manual override	Non-locking push	
Impact/Vibration resistance (3)	150/50 m/s ²	Γ
Enclosure	Dust proof	
Note 2) Value for valve unit. It varies in case	rature 20 ^o C, at rated voltage, without surge suppressor) e of manifold. Refer to p.2.5-18 for manifold specifications. om test using drop impact tester, to axis and right angle directions of main	
valve and armatu	ire, each one time when energized and de-energized. (Initial value)	

Vibration resistance: No malfunction from test with 45 to 1000Hz 1 sweep, to axis and right angle directions of

main valve and armature, each one time when energized and de-energized. (Initial value)

Solenoid Specifications

Electrical entry		DIN connector		
Coil rated voltage		100 and 200 VAC, (50/60Hz), 24VDC		
Allowable voltage		-15% to +10% of rated voltage		
Apparent power ⁽³⁾		la mark	50Hz	75VA
	100	Inrush	60Hz	60VA
	AC		50Hz	27VA
		Holding	60Hz	17VA
Power consumption (3)		DC DC		12W

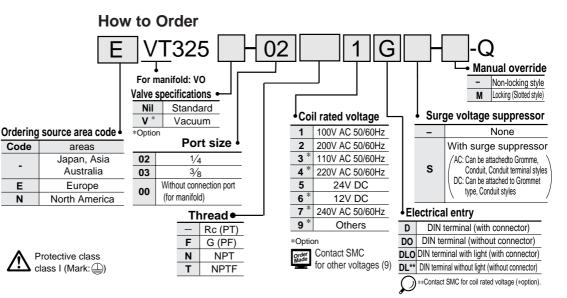
Note 3) At rated voltage

Model

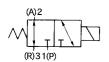
Model				
Model	Port size	Piping	Weight	
VT325-02□D	1/4	Body ported	0.554.4	
VT325-03□D	3/8	Body ported	0.55kg	

Manifold

Model	Applicable manifold	Accessories
VO325-00□□	B mount common exhaust style	Seal (DXT083-13-1), Bolt (DXT083-19-1, 2 pcs.)



Symbol



VG

Option Specifications

1.For vacuum

Pressure range -101.2kPa to 0.1MPa

In contrast to the standard product, this vacuum specification valve has less air leakage at low pressures, a feature that should be taken into consideration when using this valve for vacuum applications.

▲ Caution

 Because this valve leaks air, it cannot be used for maintaining a vacuum (or pressure) in a pressure vessel.

2.Manual override with lock

 Using a screwdriver, push the manual override button that is located in the head portion of the solenoid valve in order to directry push the spool valve downward, thus causing the valve to switch.

2) With the button remaining pushed down, turn it approximately 90° clockwise or counterclockwise to maintain the manual override locked state.

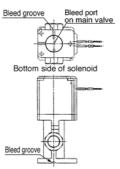
 To revert to the original state, keep the button pushed down and turn it approximately 90° clockwise or counterclockwise.

Precaution

Be sure to read before handling. Refer to p.0-33 to 0-36 for Safety Instructions and common precautions.

▲ Caution

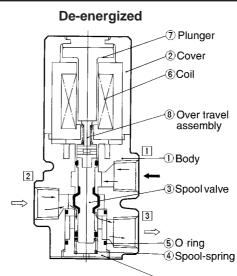
- The bottom of the solenoid valve has a breather hole for the main valve. Take proper measures to prevent this hole from being blocked as this will lead to a malfunction.
- Ordinarily, when the solenoid valve is mounted on a metal surface, it can breathe through the breather hole, via the breather groove, However, in particular, if the surface to be mounted is made of rubber, the rubber could deform and block the hole.

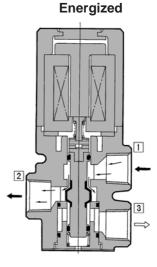


 Take proper measures to prevent dust or foreign matter from entering through unused ports. The grommet portion contains a breather hole for the

core. Take proper measures to prevent dust or foreign matter from accumulating in this area.

Construction





③Retainer

Operation principles

<De-energized>

The spool 3 is pushed upward by the force of the spring 4 and the air passage between port 2 and port 3 is opened and port 1 is blocked.

Air flow direction: $1 \leftrightarrow \text{Block}, 2 \leftrightarrow 3$

Parts list

No.	Description	Material	Notes
1	Body	ADC	Platinum silver
2	Cover	ADC	Platinum silver
3	Spool valve	Aluminum, NBR	

How to Use DIN Connector

1. How to wire

1) Loosen the fix screw and pull off the connector from the pin plug.

- 2) Make sure to pull out the retaining screw before inserting a screwdriver into the groove at the lower portion of the terminal board. Then, push the screwdriver up to separate the terminal board and the terminal cover.
- 3) Following the wiring procedure, properly connect the wires to the specified terminals.
- 4) As a rule, wires are connected to the terminals using crimp-style terminals. Therefore, select crimp-style terminals that do not overstrain the terminal hardware.

Wiring figure

Single solenoid 1



Connect wires to terminals 1 and 2. Terminal 3 is not used.

Pin plug

2. Change of electrical entry

Once the terminal cover is separated from the terminal block, it can be rotated in any direction (4 directions, each 90°) to change the orientation of the electrical entry.

Flow rate

Refer to p.0-36 for flow rate calculation.

3. Caution

To insert the connector into the pin plug or to pull it out, do so as vertically as possible, without tilting.

When the coil 6 is energized the plunger

⑦ is pulled down depressing the spool ③

via the overtravel assembly (8) and the air

passage between port 1 and port 2 is

Air flow direction: $1 \leftrightarrow 2$, $3 \leftrightarrow$ Block

opened and port 3 is blocked.

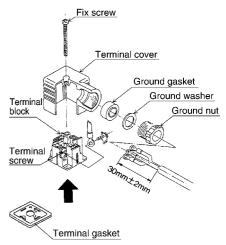
4. Applicable cable

Cord external: ø6 to ø12

Note: For those with external measure ments of ø9 to ø12, remove the inner portion of the ground gasket before use.

5. Applicable crimp-style terminals

The maximun size for the round terminal is 1.25mm²-3.5 and for the Y terminal is 1.25mm²-4.

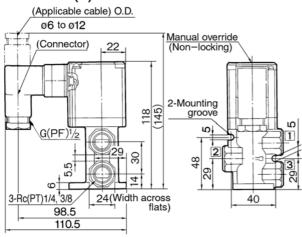


SMC

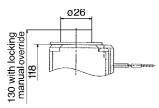
<Energized>

Dimensions (mm)

DIN terminal (D)



With locking manual override

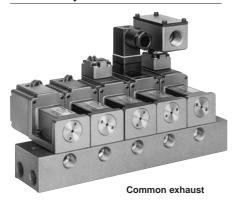


SY
SYJ
VK
VZ
VT
VT
VP
VG

VQ
VQZ

_{Series} VT325 Manifold

VT325 Series Manifold Model has a B-mount style with common exhaust.



Caution How to Change from NC to NO The valves are asembled as NC valves at the time of shipment. By removing the two retaining screws from the desired valves, and rotating each valve body 180° and reassembling it on the manifold base, it is possible to reassemble an NC valve as an NO valve. (When doing so, make sure that a gasket is attached to the mounting surface of the valve.) Properly tighten the screws. The tightening torque of the retaining screws is 3Nm.

Dimensions

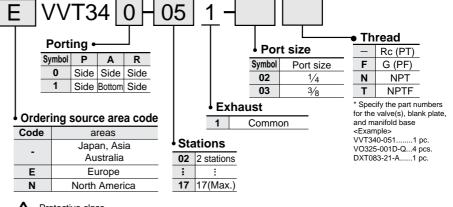
Manifold Specifications Manifold Max. number of stations

Max. number of stations			17 (1)				
Applicable solenoid valve			VO325-00□□-Q				
Exhaust	Port le	ocation/Po	rt size		Piping		Effective area (mm ²)
port style	Р	Α	R	Р	Α	R	(Ne/min)
Common	Base 1/4,3/8	Base 1⁄4,3⁄8	Base 1/4,3/8	Side	Side/ Bottom	Side	19 (1030.58)
Optio	n		Blank plat	te (packing	w/screw)		DXT083-21A

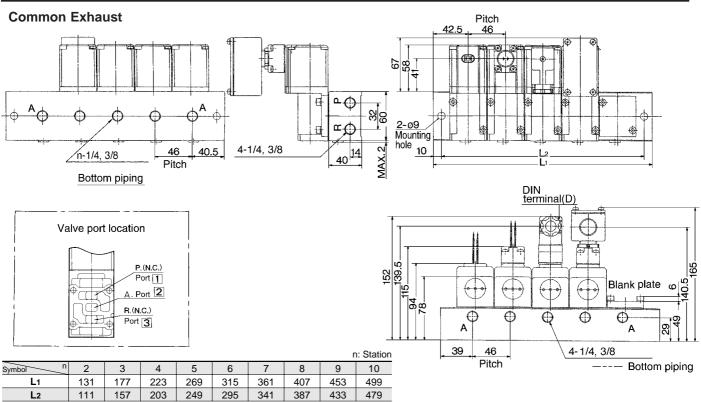
B-mount

Note 1) If there are more than 4 stations, supply air from both P ports and exhaust from both R ports.

How to Order Manifold Base



Protective class class I (Mark:



Equation: L1=46n+39, L2=46n+19



SY
SYJ
VK
٧Z
VT
VT
VP
VG

VQ
VQZ