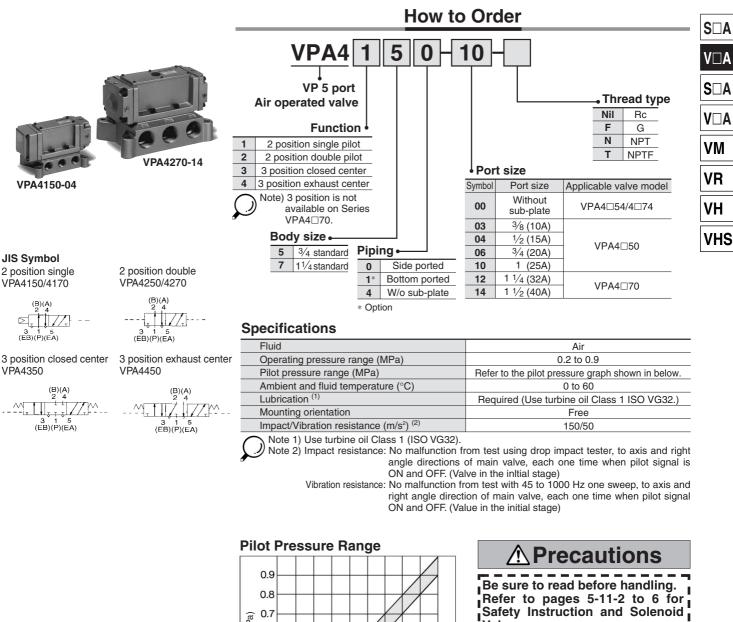
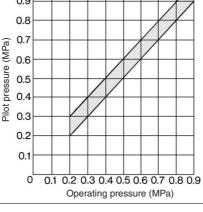
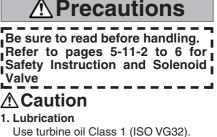
# **5 Port Air Operated Valve** Series VPA4 50/4 70





**SMC** 



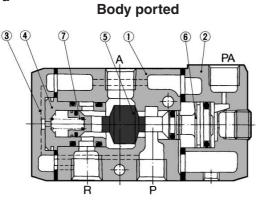
2. Refer to Best Pneumatics Vol. 3 regarding piping, air quality, operating condition and 3 position closed center.

5-3-25

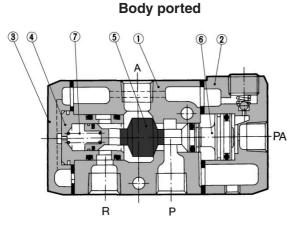
1

#### Construction

#### Standard



Vacuum (Option)



#### **Component Parts**

No.	Description	Material	Note	
1	Body	Aluminium die-casted	Platinum silver	
2	Adapter plate	Aluminium die-casted	Platinum silver	
3	End plate	Aluminium die-casted	Platinum silver	
4	Retainer	Brass		
(5)	Spool valve	Aluminum/NBR		
6	Piston	Resin		
$\overline{\mathcal{O}}$	Spring	Stainless steel		
8	Sub-plate	Aluminium die-casted	Platinum silver	

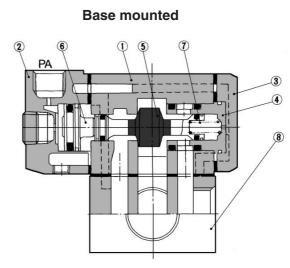
#### **Replacement Parts**

Series	Sub-plate	Hexagon socket head bolt	Gasket for sub-plate
	VP300-2-1P (Rc 1/8)	M3 x 0.5 x 32	
VPA344	VP300-2-2P (Rc 1/4)	VP300-24-4	VP300-17-1
	VP500-2-1P (Rc 1/4)	M4 x 0.7 x 41	
VPA544	· · · · · · · · · · · · · · · · · · ·		VP500-17-1
	VP500-2-2P (Rc 3/8)	VP500-24-3	
VPA744	VP700-2-1P (Rc 3/8)	M5 x 0.8 x 50	VP700-17-1
	VP700-2-2P (Rc 1/2)	VP700-24-1	

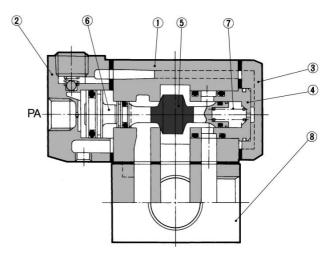
### **▲** Caution

Mounting screw tightening toro	ues
--------------------------------	-----

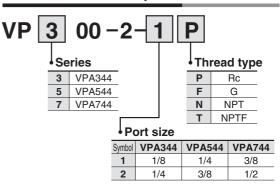
M3: 0.6 N·m M4: 1.4 N·m M5: 2.9 N·m



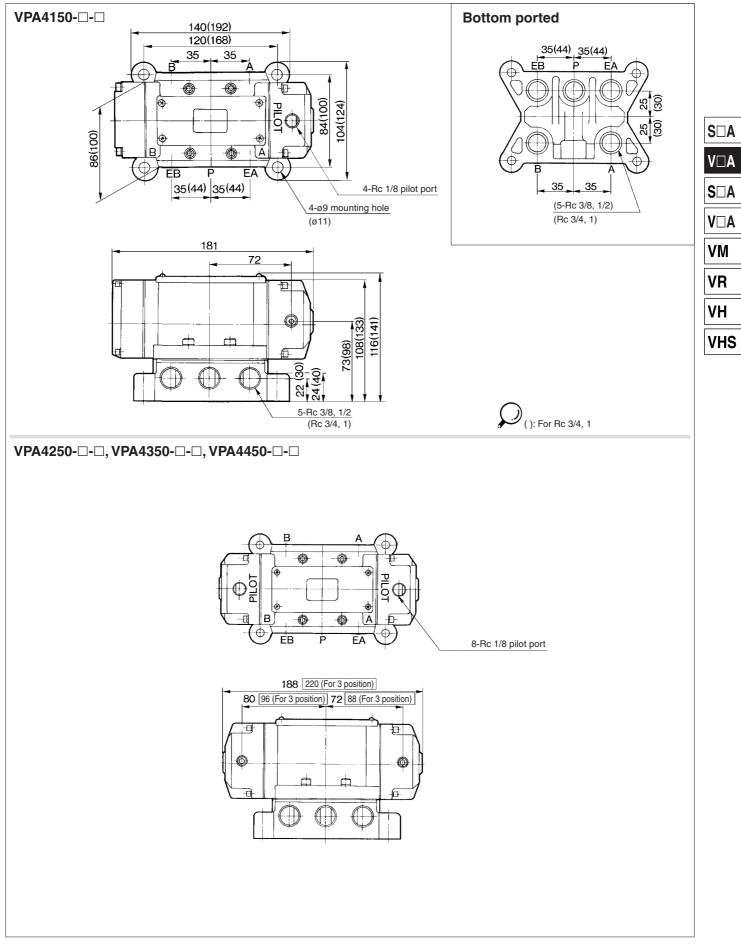
**Base mounted** 



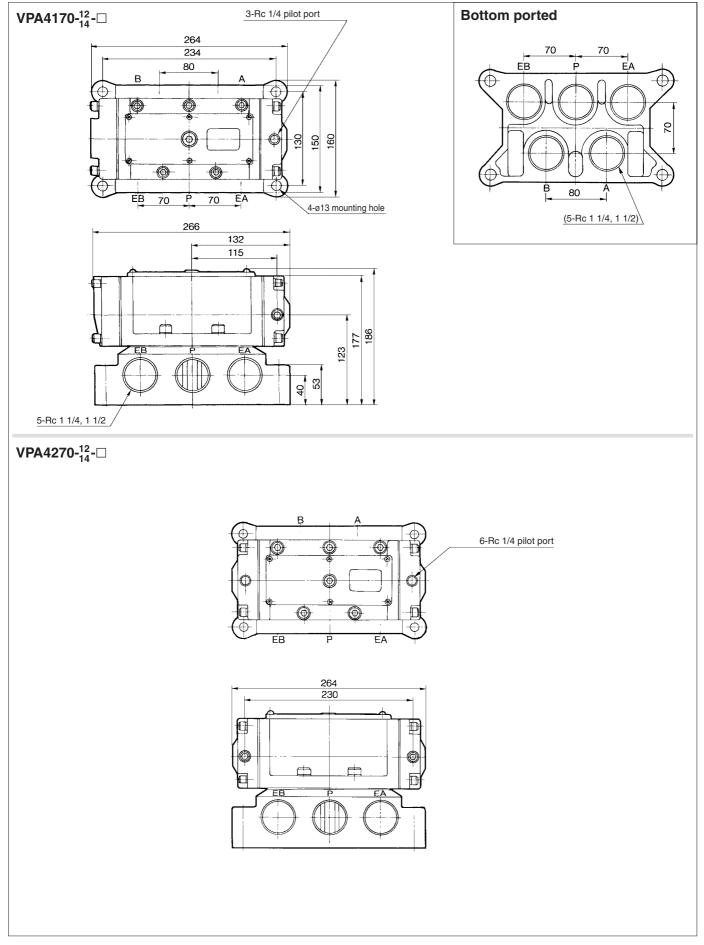
#### How to Order Sub-plate



#### Dimensions

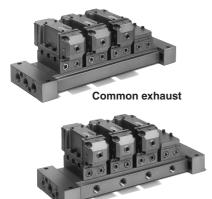


#### Dimensions



4

## Series VPA4 50 **Manifold Specifications**



Caution Manifold specifications are not avail-

able for Series VPA4□70.

Individual exhaust

#### Specifications

Manifold type	B mount		
Exhaust type	Common exhaust, Individual exhaust (1)		
Supply type	Common supply port Max. 10 stations (VVPA460: Max. 8 stations) <sup>(2)</sup>		
Stations			
individual exhaust to prevent s	diaphragm, back pressure may cause malfunction. Use such a problem. tions, supply air to both sides of supply port and exhaust		

#### **Simultaneus Operation with Manifold Valves**

Note) Pressure drop will occur by simultaneously using manifold valves.

#### Model

							1.7
	Base model	Exhaust		Port size	Applicable valve model	VR	
	Dase model	type	P	A, B	E	Applicable valve model	
	VVPA450	Common	3/4	1/2.3/4	3⁄4	VPA4154-00	VH
_		Individual	<i>,</i> .	,_, , .		VPA4254-00	
	VVPA460	Common	1	<sup>3</sup> ⁄4, 1	1	VPA4354-00	VHS
	VVFA400	Individual	1		I	VPA4454-00	110

#### Option

Piping

Symbol

0

**9**\*

Blanking plate assembly	XT038N-4A	Gasket, B	olt
	How to Order		
VVPA4 5 0	04 1 04 -		
			ad type
VP 5 port Air operated		Nil F	Rc G
manifold		N	NPT
Base size Rc	• A, B Port s	ize Rc	NPTF
6 1	Symbol Po	rt size VVPA450	VVPA460

Base size Rc										
5 3/4					A, B Po	rt size Ro	C			
	6	1			1	Symbol	Port size	VVPA450	VVPA460	
	•				Ī	04	1/2	•	_	
						06	3⁄4	•	•	
						10	1	_	•	
ng •						M <sup>(2)</sup>	Mixed	•	•	
OLPA, BE						Note	,	case of mixed specifications,		
	Side	Side	Side				indicate sparate		y port location a manifold	
	Side	Bottom (1)	Side					ation sheet.	a manifold	
		Other					opeenio	alloff blicet.		
Note 1) Size of A, B port bottom										
ported: Rc 3/8, 1/2										
;	<ul> <li>Option</li> </ul>									
		S	tations	ļļ	B	ase spec	ification	s		

1

2

Stations •				
02 2 stations				
:	:			
10	10 stations			

#### How to Assemble Manifold

Common exhaust

Individual exhaust

To order valves and blanking plate assembly mounted onto the manifold, list valves and blanking plate assembly with manifold base part number. ort Rc 1/2 FX)

)	Base: 6 stations, common EXH, A & B pc
	VVPA450-061-041 pc.
	*VPA4154-003 pcs.
	*VPA4254-002 pcs.
	*XT038N-4A1 pc.

► To order valves and options mounted onto the manifold at the factory, list the valve/option with an asterisk (\*) in front of each part number.

S□A

**V** 

S

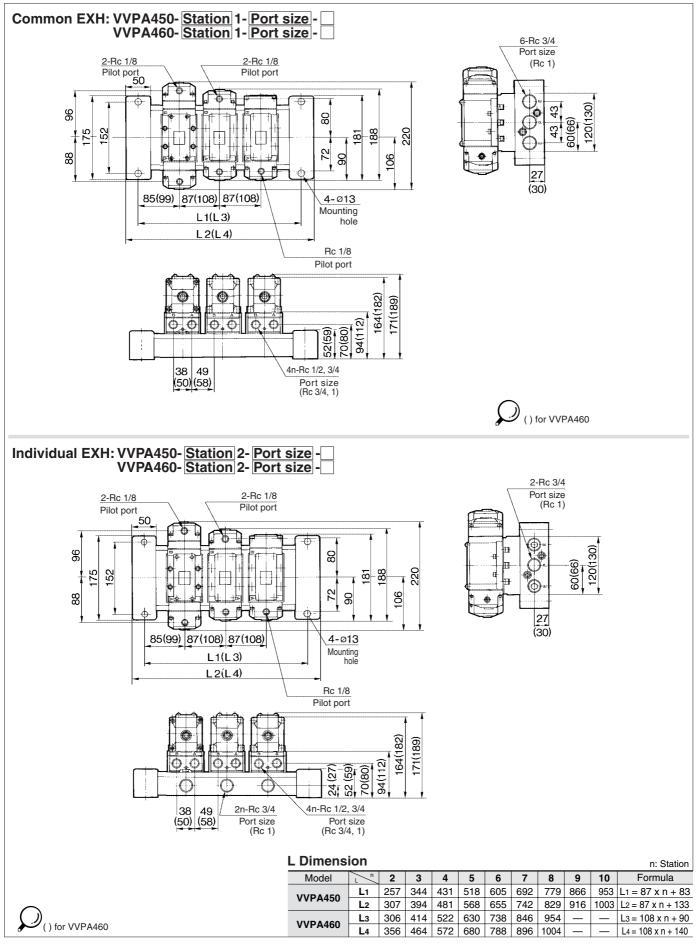
**V** 

VM

VR



#### Dimensions



**SMC** 

