## Принадлежности для модульного монтажа

## Ручной запорный клапан VHS20-50

Предназначен для подачи и выпуска сжатого воздуха из пневмосистемы

- Визуальный контроль состояния SUP/EXH (Вкл./Выкл.)
- Пригоден для модульного монтажа





### Показатели расхода

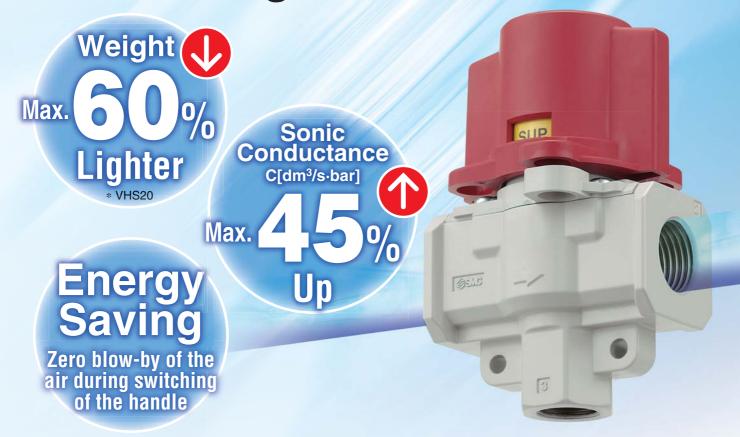
Типоразмер	Эквивалентное	сечение (мм²)
	ВКЛ ВЫКЛ.	ВЫКЛ ВКЛ.
VHS20-F01	10	11
VHS20-F02	14	16
VHS30-F02	16	14
VHS30-F03	31	29
VHS40-F02	27	36
VHS40-F03	38	40
VHS40-F04	55	42
VHS50-F06	82	50
VHS50-F10	125	53

Типоразмер	Номер	Присоеди-	Принадлежности (заказы	ываются отдельно)
для модульного	для заказа	нительная	Варианты крепежа для	Пневмоглушитель
монтажа		резьба	модульного монтажа	
20	VHS20-F01A	G1/8	Y200-A, Y200T-A	AN10-01
	VHS20-F02A	G1/4		
30	VHS30-F02A	G1/4	Y300-A, Y300T-A	AN20-02
	VHS30-F03A	G3/8		
40	VHS40-F02A	G1/4	Y400-A, Y400T-A	AN30-03
	VHS40-F03A	G3/8		
	VHS40-F04A	G1/2		
50	VHS50-F06A	G3/4	Y300-A, Y300T-A	AN40-04
	VHS50-F10A	G1		

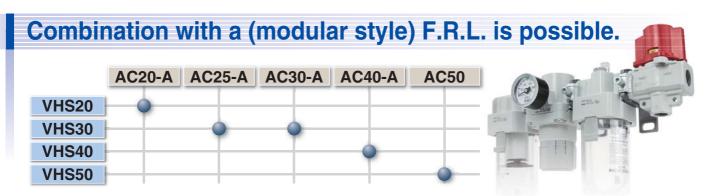
Conforming to OSHA Standard
Pressure Relief 3 Port Valve
with Locking Holes











Single Action *Series VHS20/30/40/50*Double Action *Series VHS2510/3510/4510/5510* 

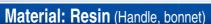


## Single Action Series VHS20/30/40/50 Double Action Series VHS2510/3510/4510/5510



Resin handle and bonnet is standard.

Weight 60% Lighter



VHS20 (Aluminum body is standard): 190 g



Handle: Flame resistant PBT (Equivalent to UL-94,V-0)

Bonnet: Flame resistant PBT (Equivalent to UL-94,V-0)

Body: Aluminum



VHS20-□A

## Safety Measure

Can prevent accidents caused by inadvertent air supply problems.

## With the indicator window



The supply/exhaust status of the air flow can be verified at a glance in the indicator window.

SUP: Supply EXH: Exhaust

## **Double action**

Push the handle and then turn, 2-step action prevents malfunction.





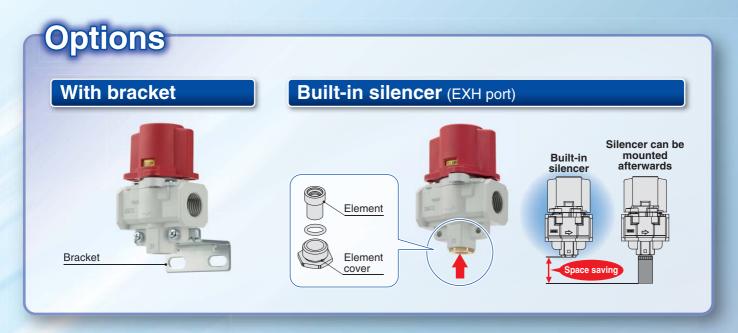
## With locking holes



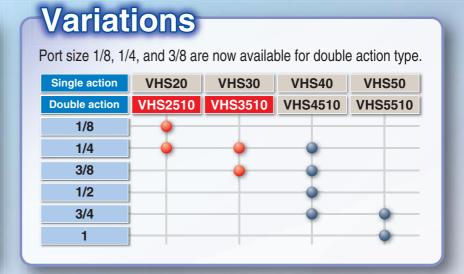
When in the exhaust position, the valve may be padlock secured. Prevents accidental start-ups while personnel are cleaning or servicing equipment.

**OSHA** standard (Occupational Safety and Health Administration **Department of Labor)** 

For safety control, OSHA rule requires energy sources for certain equipment be turned off or disconnected and that the device either be locked or labelled with a warning tag.







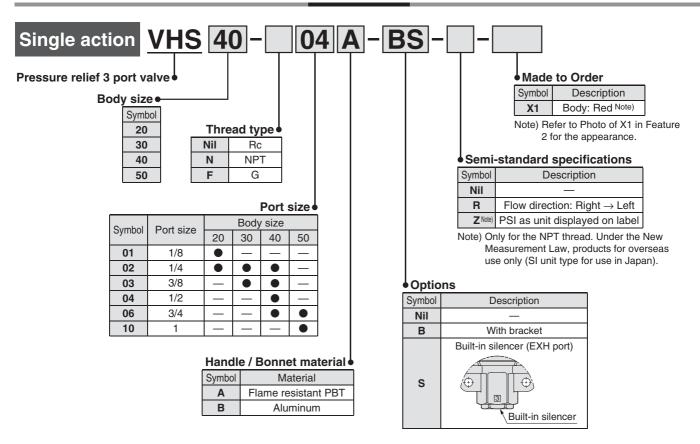


## Pressure Relief 3 Port Valve with Locking Holes (Single Action)

## Series VHS20/30/40/50



## **How to Order**



A spacer or spacer with bracket is required if the valve is combined with modular F.R.L. Please order it separately. VHS type can be ordered from How to Order of modular F.R.L. combination.

Pressure relief 3 port valve	ssure relief 3 port valve Spacer part no.		Applicable air preparation equipment
VHS20	Y200-A	Y200T-A	AC20-A
VHS30	Y300-A	Y300T-A	AC25-A, AC30-A
VHS40	Y400-A	Y400T-A	AC40-A
VHS40-06 Y500-A		Y500T-A	AC40-06-A
VHS50 Y600-A		Y600T-A	AC50, AC55 Note), AC60 Note)

Note) VHS50 can be connected to AC55 and AC60.



## Spacer



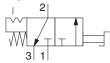
Spacer with bracket



## Conforming to OSHA Standard Pressure Relief 3 Port Valve with Locking Holes (Single Action) Series VHS20/30/40/50



## JIS Symbol



### **OSHA** standard (Occupational Safety and Health Administration Department of Labor)

For safety control, OSHA rule requires energy sources for certain equipment be turned off or disconnected and that the device either be locked or labelled with a warning tag.

## **Specifications**

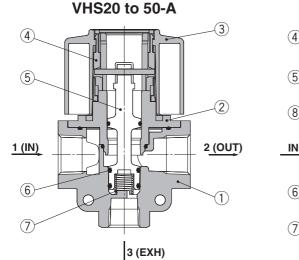
Standard specifications

Model		VHS20	VHS30	VHS40	VHS40-06	VHS50	
Fluic	1			Air			
Amb	ient and fluid temperature		–5 to €	60°C?(No fre	ezing)		
Proc	f pressure			1.5 MPa			
Ope	ating pressure range	0.1 to 1.0 MPa					
Hand	dle switching angle	90°					
Pain	t color (Standard)			Handle: Red Body: White			
Weight	A (Handle, bonnet: Flame resistant PBT)	76 g	127 g	247 g	293 g	532 g	
weight	B (Handle, bonnet: Aluminum)	92 g	156 g	301 g	349 g	630 g	

## Flow-rate characteristics

	Port	size	Flow-rate characteristics							
Model	IN, OUT	EXH	IN-	→OUT		OUT→EXH				
	IIV, OUT		C(dm3/s·bar)	b	Cv	C(dm3/s·bar)	b	Cv		
VHS20	1/8	1/8	2.4	0.43	0.65	2.5	0.39	0.69		
VH320	1/4	1/6	3.3	0.40	0.88	3.1	0.51	0.84		
VHS30	1/4	1/4	6.4	0.45	1.7	6.2	0.38	1.7		
VII 530	3/8	1/4	8.3	0.41	2.3	7.0	0.41	1.9		
	1/4		7.3	0.49	2.0	8.5	0.35	2.3		
VHS40	3/8	3/8	10.9	0.45	3.0	11.6	0.40	3.1		
	1/2		14.2	0.39	3.8	13.3	0.43	3.6		
VHS40-06	3/4	1/2	18.3	0.31	5.0	17.7	0.37	4.8		
VHS50	3/4	1/2	23.8	0.41	6.4	21.8	0.41	5.9		
VII-350	1	1/2	31.9	0.33	8.6	23.5	0.44	6.4		

## Construction



## VHS20 to 50-B (4) (5) (2)(8) OUT IN 6 EXH

## **Built-in silencer** (Option) 12

Cross section of EXH port

(13)

Con	nponent Parts			
No.	Description	Mate	erial	Note
INO.	Description	VHS20 to 50-A VHS20 to 50-B		Note
1	Body	ADO	C12	White
2	Bonnet	Flame resistant PBT (UL-94 Standard V-0 equivalent)	ADC12	White
3	Handle	Flame resistant PBT (UL-94 Standard V-0 equivalent)	ADC12	Red
4	Cam ring	PC	DM	_
5	Spool	PE	ЗТ	_
6	Spool O-ring	H-N	_	
7	Spool spring	Stainles	ss steel	_
8	Ferrule	PC	M	_

<sup>\*</sup> The VHS series cannot be disassembled. Parts cannot be shipped separately.

## **Option Part No.**

Model	Bracket assembly part no. Note 1)	Silencer assembly part no. Note 2)
VHS20	VHS20PW-180AS	VHS20PW-190AS
VHS30	VHS30PW-180AS	VHS30PW-190AS
VHS40	VHS40PW-180AS	VHS40PW-190AS
VHS40-06	VHS40PW-180-06AS	VHS40PW-190-06AS
VHS50	VHS50PW-180AS	VHS50PW-190AS

Note 1) Bracket/1pc., mounting screw/2pcs.

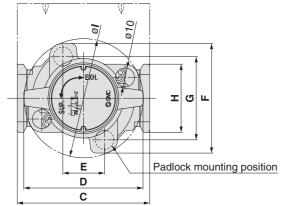


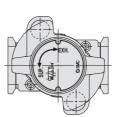
Note 2) Element ①, element O-ring ②, element cover ③ 1pc. for each.

## Series VHS20/30/40/50

## **Dimensions**

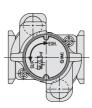
## VHS40/50

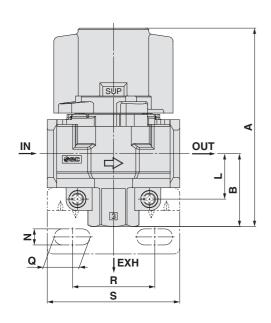


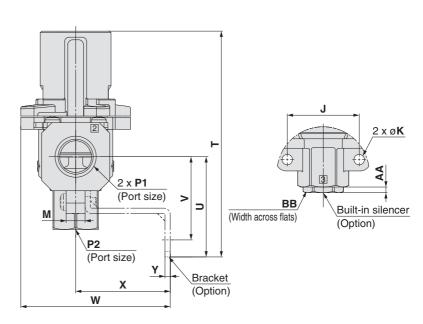


**VHS30** 









<b>Dimensions</b>	(mm)
Madal	Standard specifications

Model						Sta	ndard sp	ecificati	ions						
Model	P1	P2	Α	В	С	D	E	F	G	Н	- I	J	K	L	M
VHS20	1/8, 1/4	1/8	66.4	22.3	40	37.5	14	46.6	33.6	28	37.5	24	4.5	14.8	9
VHS30	1/4, 3/8	1/4	80.3	29.4	53	49	19	52	38	30	49	30	4.5	19	9
VHS40	1/4, 3/8, 1/2	3/8	104.9	38.5	70	63	22	58	44	36	63	38	5.5	24	10
VHS40-06	3/4	1/2	110.4	42	75	63	22	58	44	44	63	43	5.5	26	10
VHS50	3/4. 1	1/2	134.3	53	90	76	26	76	61	53	81	50	6.5	31	12

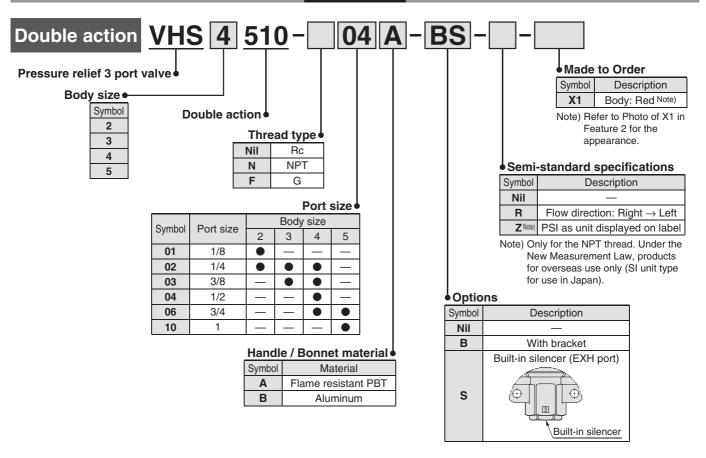
		Options specifications											
Model		With bracket										Built-in silencer	
	N	N Q R S T U V W X Y								AA	BB		
VHS20	5.4	8.4	27	40	75.4	31.3	25.3	53.3	30	2.3	3	12	
VHS30	6.5	10	36.5	53	90.9	40	33	67	41	2.3	3	14	
VHS40	8.5	19	43.5	70	119.4	53	44	79	50	2.8	3	19	
VHS40-06	8.5	19	43.5	70	123.4	55	46	79	50	2.8	4	22	
VHS50	11	27.5	49.5	90	152.3	71	60	108	70	3.2	4	22	



# Conforming to OSHA Standard Pressure Relief 3 Port Valve with Locking Holes (Double Action) Series VHS2510/3510/4510/5510



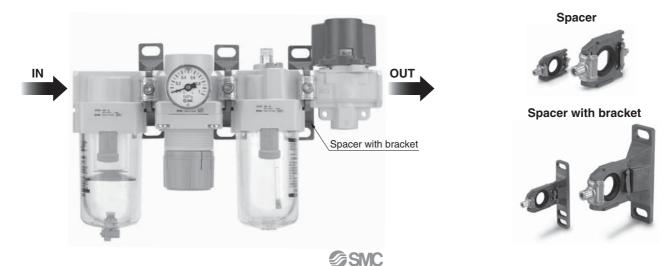
## **How to Order**



A spacer or spacer with bracket is required if the valve is combined with modular F.R.L. Please order it separately.

Pressure relief 3 port valve	Spacer part no.	Spacer with bracket part no.	Applicable air preparation equipment
VHS2510	Y200-A	Y200T-A	AC20-A
VHS3510	Y300-A	Y300T-A	AC25-A, AC30-A
VHS4510	Y400-A	Y400T-A	AC40-A
VHS4510-06	Y500-A	Y500T-A	AC40-06-A
VHS5510	Y600-A	Y600T-A	AC50, AC55 Note), AC60 Note)

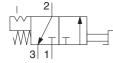
Note) VHS5510 can be connected to AC55 and AC60.



## Series VHS2510/3510/4510/5510



## JIS Symbol



## OSHA standard (Occupational Safety and Health Administration Department of Labor)

For safety control, OSHA rule requires energy sources for certain equipment be turned off or disconnected and that the device either be locked or labelled with a warning tag.

## **Specifications**

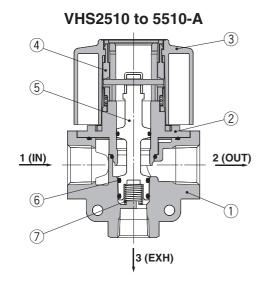
Standard specifications

	Model	VHS2510	VHS3510	VHS4510	VHS4510-06	VHS5510			
Fluid		Air							
Amb	ient and fluid temperature		–5 to 6	60°C?(No fre	ezing)				
Proc	of pressure			1.5 MPa					
Ope	rating pressure range	0.1 to 1.0 MPa							
Hand	dle switching angle	90°							
Pain	t color (Standard)			Handle: Red Body: White					
Wajaht	A (Handle, bonnet: Flame resistant PBT)	77 g	129 g	250 g	296 g	536 g			
Weight	B (Handle, bonnet: Aluminum)	93 g	158 g	304 g	352 g	635 g			

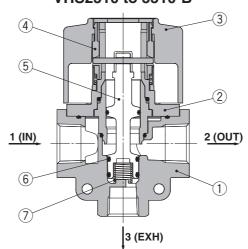
## Flow-rate characteristics

	Port	size		Flo	w-rate ch	naracteristics				
Model	IN, OUT	EXH	IN-	→OUT		OUT→EXH				
	iiv, OO1		C(dm3/s·bar)	b	Cv	C(dm3/s·bar)	b	Cv		
VHS2510	1/8	1/8	2.4	0.43	0.65	2.5	0.39	0.69		
VH32310	1/4	1/0	3.3	0.40	0.88	3.1	0.51	0.84		
VHS3510	1/4	1/4	6.4	0.45	1.7	6.2	0.38	1.7		
VH53510	3/8	1/4	8.3	0.41	2.3	7.0	0.41	1.9		
	1/4		7.3	0.49	2.0	8.5	0.35	2.3		
VHS4510	3/8	3/8	10.9	0.45	3.0	11.6	0.40	3.1		
	1/2		14.2	0.39	3.8	13.3	0.43	3.6		
VHS4510-06	3/4	1/2	18.3	0.31	5.0	17.7	0.37	4.8		
VIII05540	3/4	1/0	23.8	0.41	6.4	21.8	0.41	5.9		
VHS5510	1	1/2	31.9	0.33	8.6	23.5	0.44	6.4		

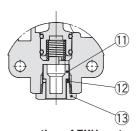
## Construction



## VHS2510 to 5510-B



## Built-in silencer (Option)



Cross section of EXH port

**Component Parts** 

Component Parts											
No.	Description	Mat	Note								
INO.	Description	VHS2510 to 5510-A	Note								
1	Body	ADO	C12	White							
2	Bonnet	Flame resistant PBT (UL-94 Standard V-0 equivalent)	White								
3	Handle	Flame resistant PBT (UL-94 Standard V-0 equivalent)	ADC12	Red							
4	Cam ring	PC									
5	Spool	PE									
6	Spool O-ring	H-N									
7	Spool spring	Stainle									
8	Ferrule	PC	_								

<sup>\*</sup> The VHS series cannot be disassembled. Parts cannot be shipped separately.

## **Option Part No.**

Model	Bracket assembly part no. Note 1)	Bracket assembly part no. Note 2)
VHS2510	VHS20PW-180AS	VHS20PW-190AS
VHS3510	VHS30PW-180AS	VHS30PW-190AS
VHS4510	VHS40PW-180AS	VHS40PW-190AS
VHS4510-06	VHS40PW-180-06AS	VHS40PW-190-06AS
VHS5510	VHS50PW-180AS	VHS50PW-190AS

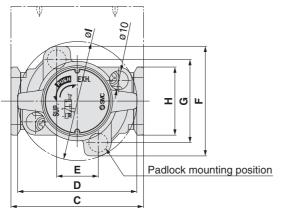
Note 1) Bracket/1pc., mounting screw/2pcs.

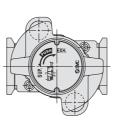


Note 2) Element ①, element O-ring ②, element cover ③ 1pc. for each.

## **Dimensions**

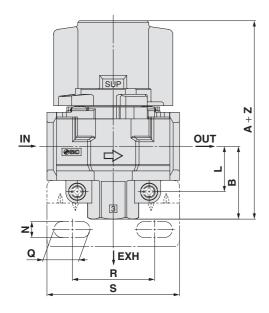
## VHS4510/5510

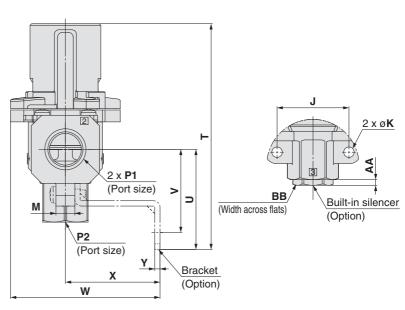




VHS3510







**Dimensions** (mm)

																()
Model							Standar	d speci	fications	3						
Model	P1	P2	Α	В	С	D	E	F	G	Н	I	J	K	L	M	Z
VHS2510	1/8, 1/4	1/8	66.4	22.3	40	37.5	14	46.6	33.6	28	37.5	24	4.5	14.8	9	3.2
VHS3510	1/4, 3/8	1/4	80.3	29.4	53	49	19	52	38	30	49	30	4.5	19	9	3.2
VHS4510	1/4, 3/8, 1/2	3/8	104.9	38.5	70	63	22	58	44	36	63	38	5.5	24	10	4.2
VHS4510-06	3/4	1/2	110.4	42	75	63	22	58	44	44	63	43	5.5	26	10	4.2
VHS5510	3/4, 1	1/2	134.3	53	90	76	26	76	61	53	81	50	6.5	31	12	4.2

					Options specifications							
Model	With bracket										Built-in silencer	
	N	Q	R	S	Т	U	V	W	Х	Υ	AA	ВВ
VHS2510	5.4	8.4	27	40	75.4	31.3	25.3	53.3	30	2.3	3	12
VHS3510	6.5	10	36.5	53	90.9	40	33	67	41	2.3	3	14
VHS4510	8.5	19	43.5	70	119.4	53	44	79	50	2.8	3	19
VHS4510-06	8.5	19	43.5	70	123.4	55	46	79	50	2.8	4	22
VHS5510	11	27.5	49.5	90	152.3	71	60	108	70	3.2	4	22





## Series VHS20/30/40/50 Series VHS2510/3510/4510/5510 Specific Product Precautions 1

Be sure to read before handling. Refer to back cover for Safety Instructions and "Handling Precautions for SMC Products" (M-E03-3) for 3/4/5 Port Solenoid Valve Precautions.

## **Precautions on Design**

## **Marning**

- 1. Please consult with SMC in cases where the ambient environment does not permit leakage or if fluid other than air is used.
- 2. Do not apply negative pressure. It may result in malfunction.
- 3. Do not supply air pressure from ports other than the 1 (P) port.

The valve will malfunction when air pressure is supplied from other ports.

### Selection

## **△** Warning

1. In some cases, mineral oil grease used for internal parts and sealant may be carried to the output side.

Please contact SMC if this causes any inconvenience in use.

## **Installation and Adjustment**

## **⚠** Warning

1. Confirm the symbols "1" and "2" before the valve is connected. The port marked "1" is the air inlet and the port marked "2" is the outlet.

Pressurization is only possible via the inlet port (1). Reverse connection may cause malfunction. The port symbols and corresponding piping types are shown in the table below.

Port symbol	Piping type
1	Inlet
2	Outlet
3	Exhaust

## **∧** Caution

- The valve must be switched to each position instantly and securely. Stopping the knob between the extreme positions may cause malfunction.
- 2. Do not remove the mounting screws from the bonnet.

As this may cause malfunction.

## **Piping**

## **△** Warning

The port marked with an arrow (△) is the 1
 (P) port (IN) and one on the opposite side is the 2 (A) port (OUT).

The port at a right angle to them is the 3 (R) port (EXH). Be sure to confirm before connecting since erroneous connection will cause malfunction.

## **Piping**

## **⚠** Warning

2. Before piping is connected, the pipes should be thoroughly blown through with air (flushing) or washed to remove chips, cutting oil and other debris from inside.

Should they remain, they could cause malfunction.

3. When connecting pipes and fittings, etc., be sure that neither chips from the pipe threads nor sealing material get inside the valve.

When using sealant tape, leave 1.5 to 2 thread ridges exposed at the end of the pipe/fitting.

4. When screwing a piping component into the valve, secure the female threaded side and apply the recommended tightening torque.

Under tightening may result in loosening or sealing failure while over tightening may cause damage to threads and other problems.

Recommended tightening torque											
	Connection thread	1/8	1/4	3/8	1/2	3/4	1				
	Torque	7 to 9	12 to 14	22 to 24	28 to 30	28 to 30	36 to 38				

## Air Supply

## **Marning**

1. Use clean air.

Do not use compressed air which contains chemicals, synthetic oils containing organic solvents, salts or corrosive gases, etc., as this can cause damage or malfunction.

2. Install an air dryer or after cooler on the upstream side of the pressure release 3 port valve because air containing excessive drainage may cause malfunction.

## **⚠** Caution

- 1. Install an air filter of 5  $\mu m$  or less filtration on the inlet side.
- Install a mist separator on the inlet side to remove carbon powder from the compressor or other equipment. An excessive amount of carbon dust ingress via the inlet may cause the valve to malfunction.

Refer to "SMC Air Preparation System" for further details on compressed air quality.

## **Operating Environment**

## **⚠** Warning

1. Do not use valves where there is direct contact with, or in atmospheres of, corrosive gases, chemicals, salt water, water or steam.





## **Series VHS20/30/40/50 Series VHS2510/3510/4510/5510 Specific Product Precautions 2**

Be sure to read before handling. Refer to back cover for Safety Instructions and "Handling Precautions for SMC Products" (M-E03-3) for 3/4/5 Port Solenoid Valve Precautions.

## **Operating Environment**

## **⚠** Warning

- 2. Do not use in an explosive atmosphere.?
- 3. Do not use in locations subject to vibration or impact. Confirm the specifications for each series.
- 4. A protective cover should be used to shield valves from direct sunlight.
- 5. Shield valves from radiated heat generated by nearby heat sources.
- 6. Employ suitable protective measures in locations where there is contact with water droplets, oil, or welding spatter.
- 7. Install a silencer into port 3 (R) to prevent the ingress of dust if there is a lot of dust in the atmosphere.

If dust enters the valve via port 3 (R), it may cause air leakage.

### **Maintenance**

## **△** Warning

1. Perform maintenance procedures as shown in the instruction manual.

If handled improperly, malfunction or damage of machinery or equipment may occur.

2. Do not disassemble the product.

Improper handling will cause malfunction or breakage of the machinery or equipment.

3. When equipment is to be removed, first confirm that measures are in place to prevent dropping of driven objects and run-away of equipment, etc. Then cut the supply air pressure and electric power, and exhaust all compressed air from the system using its residual pressure release function.

When the equipment is to be started again after remounting or replacement, first confirm that measures are in place to prevent lurching of actuators and then confirm that equipment operates normally.

## **⚠** Caution

Once a lubricant is introduced, be sure to continue lubrication.

If it is discontinued, malfunction may result due to loss of the initial lubricant. Apply class 1 turbine oil (ISO VG32) as a lubricant. Use of other lubricants may cause malfunction.

## **Built-in Silencer (Option) Bronze Sintered Metal Element**

## **∧** Caution

Products made of bronze may contain uneven color due to the oxidization process of the atmosphere.

However, this oxidization process occurs in the limited range of less than  $1\mu m$  of thickness and is so thin as to not affect the product characteristics.

The uneven color occurs depending on the storage duration before utilization (stock as a product, stock in customer)

\* If this is a problem, please contact SMC so that SMC can pre-treat them with nickel plating.



## Safety Instructions

These safety instructions are intended to prevent hazardous situations and/or equipment damage. These instructions indicate the level of potential hazard with the labels of "Caution," "Warning" or "Danger." They are all important notes for safety and must be followed in addition to International Standards (ISO/IEC)\*1), and other safety regulations.

Caution indicates a hazard with a low level of risk Caution: which, if not avoided, could result in minor or

moderate injury.

Warning indicates a hazard with a medium level of Warning: risk which, if not avoided, could result in death or

serious injury.

🗥 Danger :

Danger indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.

 $\ast$  1) ISO 4414: Pneumatic fluid power – General rules relating to systems. ISO 4413: Hydraulic fluid power – General rules relating to systems. IEC 60204-1: Safety of machinery – Electrical equipment of machines. (Part 1: General requirements)

ISO 10218-1: Manipulating industrial robots - Safety. etc.

## **⚠** Warning

1. The compatibility of the product is the responsibility of the person who designs the equipment or decides its specifications. Since the product specified here is used under various operating conditions, its compatibility with specific equipment must be decided by the person who designs the equipment or decides its specifications based on necessary analysis and test results. The expected performance and safety assurance of the equipment will be the responsibility of the person who has determined its compatibility with the product. This person should also continuously review all specifications of the product referring to its latest catalog information, with a view to giving due consideration to any possibility of equipment failure when configuring the

2. Only personnel with appropriate training should operate machinery and equipment.

The product specified here may become unsafe if handled incorrectly. The assembly, operation and maintenance of machines or equipment including our products must be performed by an operator who is appropriately trained and

- 3. Do not service or attempt to remove product and machinery/ equipment until safety is confirmed.
  - 1. The inspection and maintenance of machinery/equipment should only be performed after measures to prevent falling or runaway of the driven objects have been confirmed.
  - 2. When the product is to be removed, confirm that the safety measures as mentioned above are implemented and the power from any appropriate source is cut, and read and understand the specific product precautions of all relevant
  - 3. Before machinery/equipment is restarted, take measures to prevent unexpected operation and malfunction.
- 4. Contact SMC beforehand and take special consideration of safety measures if the product is to be used in any of the following conditions.
  - 1. Conditions and environments outside of the given specifications, or use outdoors or in a place exposed to direct sunlight.
  - 2. Installation on equipment in conjunction with atomic energy, railways, air navigation, space, shipping, vehicles, military, medical treatment, combustion and recreation, or equipment in contact with food and beverages, emergency stop circuits, clutch and brake circuits in press applications, safety equipment or other applications unsuitable for the standard specifications described in the product catalog.
  - 3. An application which could have negative effects on people, property, or animals requiring special safety analysis.
  - 4. Use in an interlock circuit, which requires the provision of double interlock for possible failure by using a mechanical protective function, and periodical checks to confirm proper operation.

## **⚠** Caution

1. The product is provided for use in manufacturing industries.

The product herein described is basically provided for peaceful use in manufacturing industries

If considering using the product in other industries, consult SMC beforehand and exchange specifications or a contract if necessary.

If anything is unclear, contact your nearest sales branch.

## **Limited warranty and Disclaimer/ Compliance Requirements**

The product used is subject to the following "Limited warranty and Disclaimer" and "Compliance Requirements".

Read and accept them before using the product.

## **Limited warranty and Disclaimer**

- 1. The warranty period of the product is 1 year in service or 1.5 years after the product is delivered, whichever is first.\*2)
  - Also, the product may have specified durability, running distance or replacement parts. Please consult your nearest sales branch.
- 2. For any failure or damage reported within the warranty period which is clearly our responsibility, a replacement product or necessary parts will be provided.
  - This limited warranty applies only to our product independently, and not to any other damage incurred due to the failure of the product.
- 3. Prior to using SMC products, please read and understand the warranty terms and disclaimers noted in the specified catalog for the particular products.
  - \*2) Vacuum pads are excluded from this 1 year warranty.

A vacuum pad is a consumable part, so it is warranted for a year after it is delivered. Also, even within the warranty period, the wear of a product due to the use of the vacuum pad or failure due to the deterioration of rubber material are not covered by the limited warranty.

## **Compliance Requirements**

- 1. The use of SMC products with production equipment for the manufacture of weapons of mass destruction (WMD) or any other weapon is strictly prohibited.
- 2. The exports of SMC products or technology from one country to another are governed by the relevant security laws and regulations of the countries involved in the transaction. Prior to the shipment of a SMC product to another country, assure that all local rules governing that export are known and followed.

Safety Instructions Be sure to read "Handling Precautions for SMC Products" (M-E03-3) before using.

## **SMC** Corporation

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