Pressure Relief 3 Port Valve: (V)

With the use of a pressure relief 3 port valve, pressure left in the line can be easily exhausted.

VHS ❶30 – ❷ ❸03 A – ❹

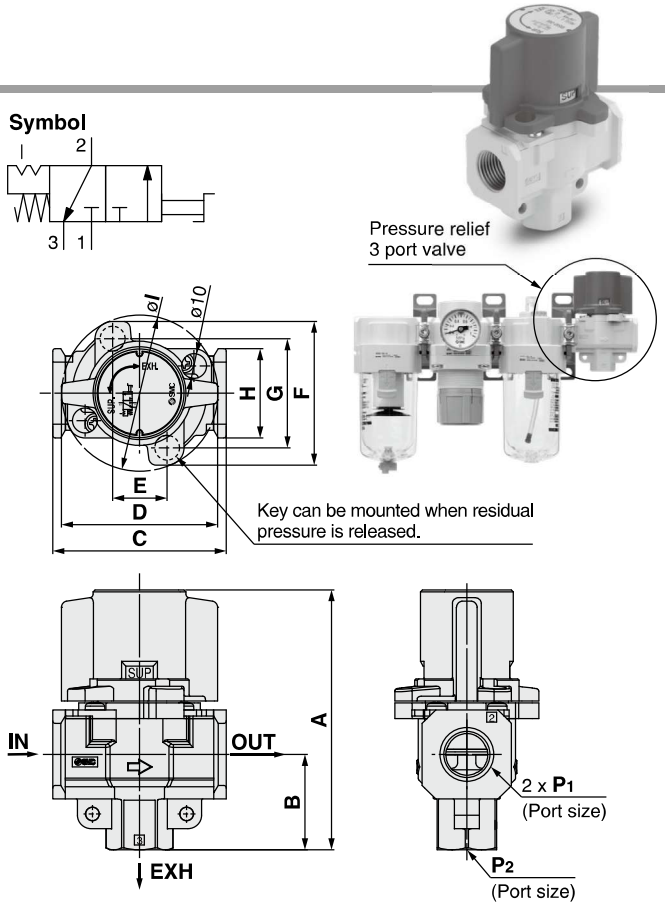
❹ **B** for Aluminum handle

- Semi-standard: Select one each for **a** to **b**.
- Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.

Example) VHS30-03A-RZ

		Symbol	Description	❶ Body size 20	30	40
❷	Pipe thread type	**Nil**	Rc	●	●	●
		N Note)	NPT	●	●	●
		F Note)	G	●	●	●
❸	Port size	**01**	1/8	●	—	—
		02	1/4	●	●	●
		03	3/8	—	●	●
		04	1/2	—	—	●
		06	3/4	—	—	●
❹ Semi-standard	**a** Flow direction	**Nil**	Flow direction: Left to right	●	●	●
		R	Flow direction: Right to left	●	●	●
	b Pressure unit	**Nil**	Name plate in imperial units: MPa	●	●	●
		Z Note)	Name plate in imperial units: psi	●	●	●

Note) For pipe thread type: NPT only. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)



Specifications

Model	Port size		Specifications					
			IN → OUT			OUT → EXH		
	IN, OUT	EXH	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
	1/4		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
	3/8		8.3	0.41	2.3	7.0	0.41	1.9
VHS40	1/4	3/8	7.3	0.49	2.0	8.5	0.35	2.3
	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

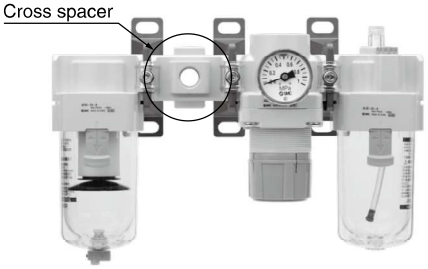
Note) Use an air filter on the IN side for operating protection.

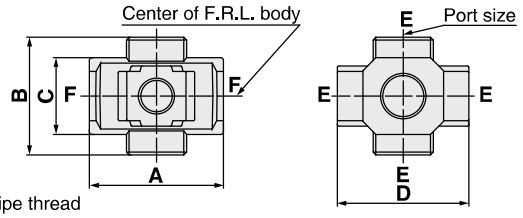
Model	Standard specifications										
	P1	**P2**	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**
VHS20	1/8, 1/4	1/8	66.4	22.3	40	37.5	14	46.6	33.6	28	37.5
VHS30	1/4, 3/8	1/4	80.3	29.4	53	49	19	52	38	30	49
VHS40	1/4, 3/8, 1/2	3/8	104.9	38.5	70	63	22	58	44	36	63
VHS40-06	3/4	1/2	110.4	42	75	63	22	58	44	44	63

Cross Spacer: 1/8, 1/4, 3/8, 1/2

Pipings are possible in all 4 directions.
IN/OUT ports are not machined for threads.
Please contact SMC if threaded (machined) ports are required.







F: Without pipe thread

Model Note)	E (Port size)	A	B	C	D	Applicable model
Y14-M5-A	M5 x 0.8	23	16	14	25	**AC10□-A**
Y24-□01-A	1/8	40	40	22	40	**AC20□-A**
Y24-□02-A	1/4					
Y34-□01-A	1/8	49	43	28	48	**AC25□-A, AC30□-A**
Y34-□02-A	1/4					
Y44-□02-A	1/4	60	48	36	54	**AC40□-A**
Y44-□03-A	3/8					
Y54-□03-A	3/8	72	62	40	62	**AC40□-06-A**
Y54-□04-A	1/2					

Note) □ in model numbers indicates a pipe thread type. No indication is necessary for Rc; however, indicate N for NPT, and F for G.
∗ If threaded IN/OUT ports are required, they are available as a special order. Please contact SMC.

Caution on Mounting

1. When mounting a cross spacer directly on the inlet side of the lubricator, be sure to use the AKM series check valve between the lubricator and cross spacer.
2. Factory mounting of a cross spacer on the AC model is available as a