

Finger Valve

Series VHK

Features

- ➔ In line shut-off valve.
- ➔ Compact and light weight.
- ➔ Thread or one-touch fittings.
- ➔ 2 port and 3 port versions.
- ➔ Optional red handle.

How to Order

VHK **2** - **02S** - **02S** **R**

Valve model

2	2 port valve
3	3 port valve

1(P) port size

04F	ø4
06F	ø6
08F	ø8
10F	ø10
12F	ø12
M5	M5
01S	R 1/8
02S	R 1/4
03S	R 3/8
04S	R 1/2

Handle color

Nil (Standard)	2 port valve	Gray
	3 port valve	Blue
R (Option)	2 port valve	Red
	3 port valve	Red

2(A) port size

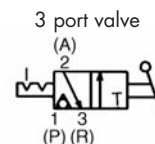
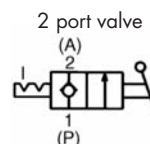
04F	ø4
06F	ø6
08F	ø8
10F	ø10
12F	ø12
M5	M5
01S	R 1/8
02S	R 1/4
03S	R 3/8
04S	R 1/2

See dimensions table for mounting bracket part numbers

Also available:
Flame resistant type for welding areas.

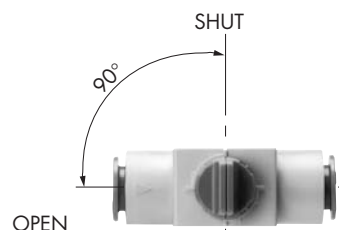


Symbols

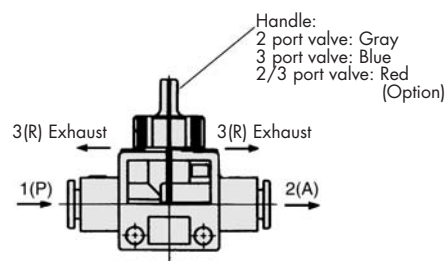


Specifications

The valve direction clearly indicates whether the valve is open or closed.
(SHUT-OPEN: Counterclockwise)



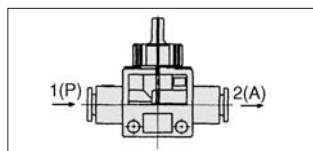
2 port valves and 3 port valves can be distinguished by the color of their handles.



Specifications

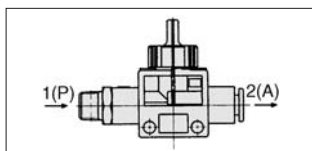
Valve	2/3 port valves
Fluid	Air
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa
Operating vacuum pressure (VHK2 type only)	-100 kPa
Ambient temperature and operating fluid temperature	0 to 60°C
Applicable tubing material	Nylon, Soft nylon, Polyurethane
Accessory (Option)	Bracket

Types available



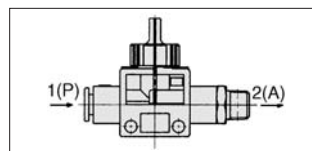
1(P): One-touch fitting
2(A): One-touch fitting

	2(A)	Applicable tubing O.D. (mm)				
1(P)		ø4	ø6	ø8	ø10	ø12
ø4	●	●				
ø6	●	●				
ø8		●	●			
ø10			●	●		
ø12				●	●	



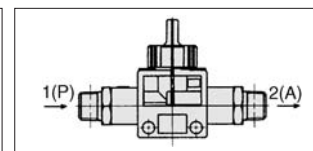
1(P): Male thread
2(A): One-touch fitting

	2(A)	Applicable tubing O.D. (mm)				
1(P)		ø4	ø6	ø8	ø10	ø12
M5	●	●				
1/8	●	●				
1/4		●	●	●	●	
3/8		●	●	●	●	
1/2				●	●	



1(P): One-touch fitting
2(A): Male thread

	2(A)	Port size R				
1(P)		M5	1/8	1/4	3/8	1/2
ø4	●	●				
ø6	●	●	●			
ø8		●	●	●		
ø10			●	●	●	
ø12			●	●	●	

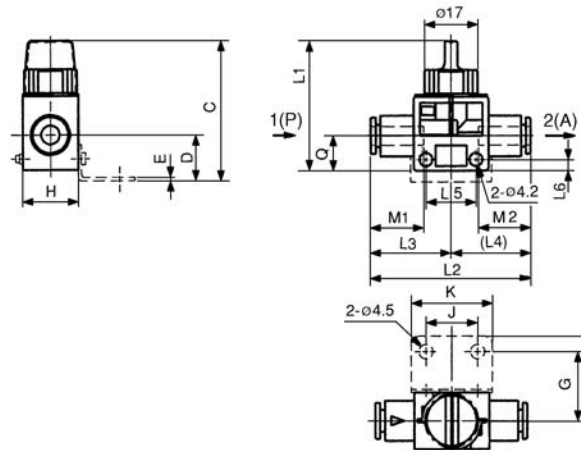


1(P): Male thread
2(A): Male thread

	2(A)	Port size R				
1(P)		M5	1/8	1/4	3/8	1/2
M5	●	●				
1/8	●	●				
1/4		●	●			
3/8			●	●		
1/2				●	●	

Dimensions

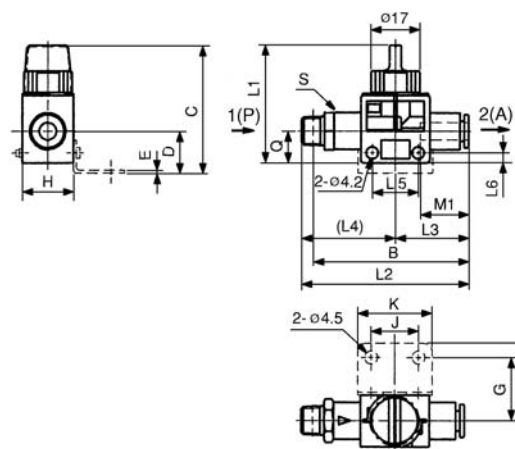
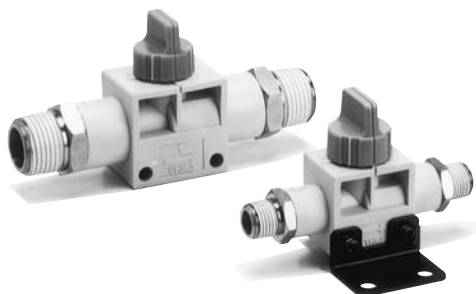
1(P)/2(A): One-touch Fitting



Applicable tubing O. D. (mm)		Model	H	L1	L2	L3	L4	L5	L6	M1	M2	Q	Effective area (mm ²)		Weight (g)	Bracket mounting dimensions							
1(P)	2(A)												1(P) R 2(A)	2(A) R 3(R)		Bracket assembly no.	C	D	E	F	G	J	K
4	4	VHK□-04F-04F	18	41	47.6	23.8	23.8	16.5	3.5	15.8	15.8	11	3.4	1.2	15	VHK-B1A	44.5	14.5	1	27	22	16.5	26
6	4	VHK□-06F-04F	18	41	48	23.7	23.7	16.5	3.5	16.8	15.8	11	5.1	1.2	15	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	6	VHK□-06F-06F			48.6	24.3	24.3						7.2		16								
8	6	VHK□-08F-06F	18	41	50.5	24.3	24.3	16.5	3.5	18.7	16.8	11	9	1.2	16	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	8	VHK□-08F-08F			52.4	26.2	26.2						9.7		17								
10	8	VHK□-10F-08F	22	46	58.5	28	28	21.5	4	20.8	18.7	14	13.7	3.2	28	VHK-B2A	49	17	1	30	25	21.5	31
	10	VHK□-10F-10F			61	30.5	30.5						16.1		29								
12	10	VHK□-12F-10F	22	46	62	30.5	30.5	21.5	4	21.8	20.8	14	17	3.2	31	VHK-B2A	49	17	1	30	25	21.5	31
	12	VHK□-12F-12F			63	31.5	31.5						17.5		32								

* 3 port valve

1(P): Male Thread, 2 (A): One-touch Fitting



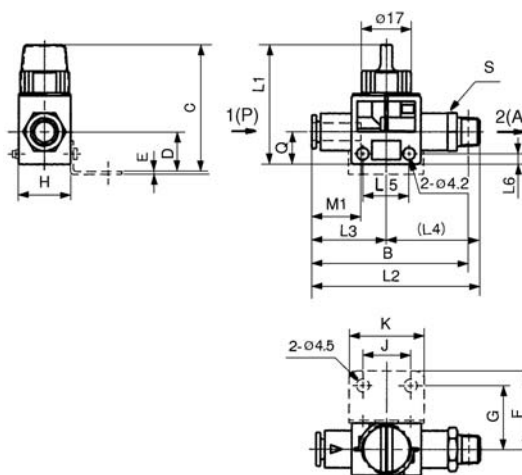
Connection thread R	Applicable tubing O. D. (mm)	Model	H	L1	L2	L3	L4	L5	L6	M1	Q	Effective area (mm ²)		Weight (g)	B**	S (Width across flats)	Bracket mounting dimensions							
												1(P) R 2(A)	2(A) R 3(R)				Bracket assembly no.	C	D	E	F	G	J	K
1(P)	4	VHK□-M5-04F	18	41	52.9	23.8	29.1	16.5	3.5	15.8	11	2.0	1.2	19	49	11	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	6	VHK□-M5-06F			53.9	24.3	29.6							21	50	13								
1/8	4	VHK□-01S-04F	18	41	55.4	23.8	31.6	16.5	3.5	15.8	11	3.4	1.2	21	51	11	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	6	VHK□-01S-06F			56.9	24.3	32.6							23	53	13								
	8	VHK□-01S-08F	18	41	62.2	26.2	36	16.5	3.5	18.7	11	7.2	1.2	31	58	17	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	6	VHK□-02S-06F			60.4	24.3	36.1							31	54	14								
	8	VHK□-02S-08F	18	41	65.2	26.2	39	16.5	3.5	18.7	11	9.7	1.2	32	59	17	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	10	VHK□-02S-10F			73.8	30.5	43.3	21.5	4	20.8	14	16.1	3.2	49	68	19	VHK-B2A	49	17	1	30	25	21.5	31
	12	VHK□-02S-12F	22	46	76.3	31.5	44.8							63	70	22								
	6	VHK□-03S-06F	18	41	62.4	24.3	38.1	16.5	3.5	18.7	11	7.2	1.2	41	56	17	VHK-B1A	44.5	11.5	1	27	22	16.5	26
	8	VHK□-03S-08F			66.2	26.2	40							40	60	17								
	10	VHK□-03S-10F	22	46	74.8	30.5	44.3	21.5	4	20.8	14	16.1	3.2	51	68	19	VHK-B2A	49	17	1	30	25	21.5	31
	12	VHK□-03S-12F			77.3	31.5	45.8							64	71	22								
	10	VHK□-04S-10F	22	46	78.2	30.5	47.7	21.5	4	20.8	14	16.1	3.2	72	70	22	VHK-B2A	49	17	1	30	25	21.5	31
	12	VHK□-04S-12F			80.2	31.5	48.7							70	72	22								

* 3 port valve

** Reference dimensions after insertion of R thread.

Dimensions

1(P): One-touch Fitting, 2(A): Male Thread

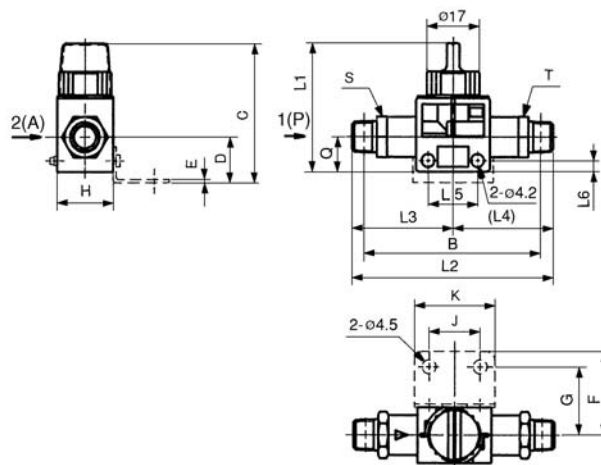
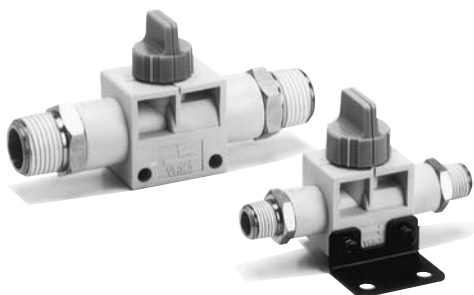


Applicable tubing O. D. (mm)	Connection thread R	Model	H	L1	L2	L3	L4	L5	L6	M1	Q	Effective area (mm ²)		Weight (g)	B**	S (Width across flats)	Bracket mounting dimensions							
												1(P) R 2(A)	2(A) R 3(R)*				Bracket assembly no.	C	D	E	F	G	J	K
1 (P)	2 (A)																							
4	M5 1/8	VHK□-04F-M5 VHK□-04F-01S	18	41	52.9 55.4	23.8	29.1 31.6	16.5	3.5	15.8	11	2.0 3.4	1.2	19 21	49 51	11 13	VHK-B1A	44.5	14.5	1	27	22	16.5	26
6	M5 1/8 1/4 3/8	VHK□-06F-M5 VHK□-06F-01S VHK□-06F-02S VHK□-06F-03S	18	41	53.9 56.9 60.4 62.4	24.3	29.6 32.6 36.1 38.1	16.5	3.5	16.8	11	2.0 7.2	1.2	21 23 31 41	50 53 54 56	11 13 17 14	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	1/4	VHK□-06F-02S			60.4		36.1					31		54	17									
	3/8	VHK□-06F-03S			62.4		38.1					41		56	14									
	1/8	VHK□-08F-01S			62.2		36					31		58	17									
8	1/4 3/8	VHK□-08F-02S VHK□-08F-03S	18	41	65.2 66.2	26.2	39 40	16.5	3.5	18.7	11	9.7	1.2	32 40	59 60	19 22	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	1/4	VHK□-08F-02S			65.2		39							32	59	19								
	3/8	VHK□-08F-03S			66.2		40							40	60	22								
10	1/4 3/8 1/2	VHK□-10F-02S VHK□-10F-03S VHK□-10F-04S	22	46	73.8 74.8 78.2	30.5	43.3 44.3 47.7	21.5	4	20.8	14	16.1	3.2	49 51 72	68 70 70	17 19	VHK-B2A	49	17	1	30	25	21.5	31
	3/8	VHK□-10F-03S			74.8		44.3							51	70	19								
	1/2	VHK□-10F-04S			78.2		47.7							72	70	19								
	1/4	VHK□-12F-02S			76.3		44.8							63	70									
12	3/8 1/2	VHK□-12F-03S VHK□-12F-04S	22	46	77.3 80.2	31.5	45.8 48.7	21.5	4	21.8	14	17.5	3.2	64 70	71 72	22	VHK-B2A	49	17	1	30	25	21.5	31

* 3 port valve

** Reference dimensions after insertion of R thread.

1(P)/2(A): Male Thread



Connection thread R		Model	H	L1	L2	L3	L4	L5	L6	Q	Effective area (mm ²)		Weight (g)	B**	S (Width across flats)	T (Width across flats)	Bracket mounting dimensions							
											1(P) R 2(A)	2(A) R 3(R)*					Bracket assembly no.	C	D	E	F	G	J	K
1(P)	2(A)																							
M5	M5	VHK□-M5-M5	18	41	58.2	29.1	29.1	16.5	3.5	11	2.0	1.2	23	51	11	11	VHK-B1A	44.5	14.5	1	27	22	16.5	26
1/8	M5	VHK□-01S-M5	18	41	61.6	32.6	29	16.5	3.5	11	2.0	1.2	26	54	13	13	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	1/8	VHK□-01S-01S			65.2		32.6				8.6		30	57										
1/4	1/8	VHK□-02S-01S	18	41	71.6	39	32.6	16.5	3.5	11	9.0	1.2	39	62	17	13	VHK-B1A	44.5	14.5	1	27	22	16.5	26
	1/4	VHK□-02S-02S			78		39				9.7		47	66										
3/8	1/4	VHK□-03S-02S	22	46	85.1	44.3	40.8	21.5	4	14	13.7	3.2	65	73	19	17	VHK-B2A	49	17	1	30	25	21.5	31
	3/8	VHK□-03S-03S			88.6		44.3				16.1		72	76										
1/2	3/8	VHK□-04S-03S	22	46	93	48.7	44.3	21.5	4	14	15.1	3.2	90	79	22	19	VHK-B2A	49	17	1	30	25	21.5	31
	1/2	VHK□-04S-04S			97.4		48.7				17.5		101	81										

* 3 port valve

** Reference dimensions after insertion of R thread.