

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	

2(A) port size

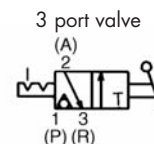
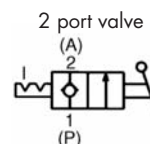
04F	ø4
06F	ø6
08F	ø8
10F	ø10
12F	ø12
M5	M5
01S	R 1/8
02S	R 1/4
03S	R 3/8
04S	R 1/2

See dimensions table for mounting bracket part numbers

Also available:
Flame resistant type for welding areas.

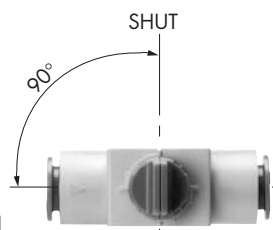


Symbols

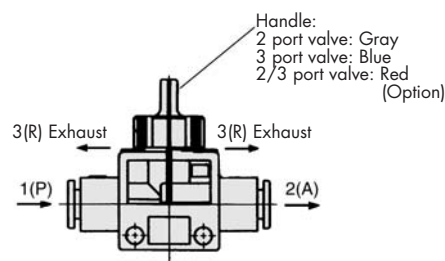


Specifications

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



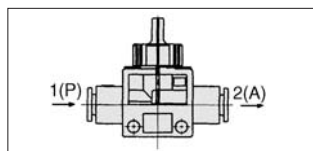
2 port valves and 3 port valves can be distinguished by the color of their handles.



Specifications

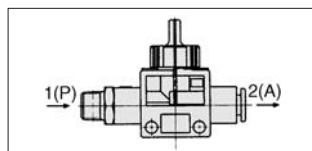
Valve	2/3 port valves
Fluid	Air
Proof pressure	1.5 MPa
Max. operating pressure	1.0 MPa
Operating vacuum pressure (VHK2 type only)	-100 kPa
Ambient temperature and operating fluid temperature	0 to 60°C
Applicable tubing material	Nylon, Soft nylon, Polyurethane
Accessory (Option)	Bracket

Types available



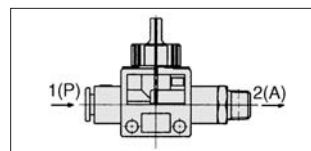
1(P): One-touch fitting
2(A): One-touch fitting

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



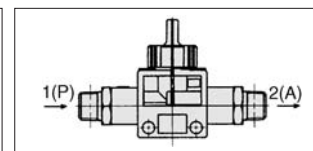
1(P): Male thread
2(A): One-touch fitting

Applicable tubing O.D. (mm)	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

Applicable tubing O.D. (mm)	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

Applicable tubing O.D. (mm)	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					●	●



CAD CD-ROM AVAILABLE



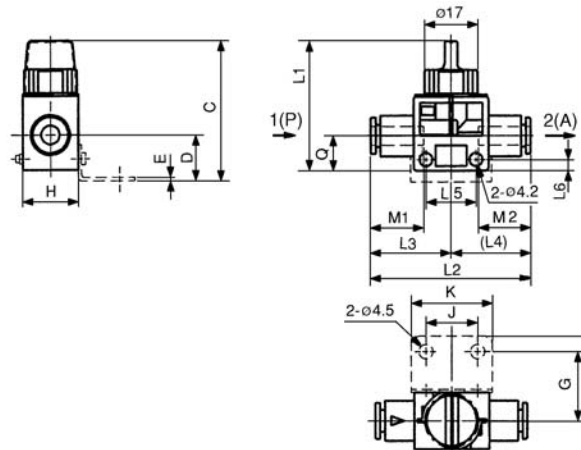
CATALOGUE E132-A AVAILABLE



PDF AVAILABLE ONLINE

Dimensions

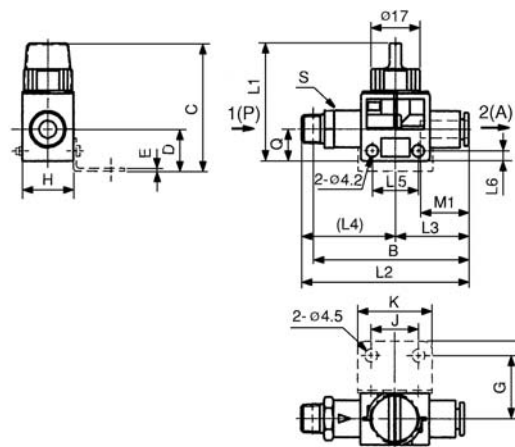
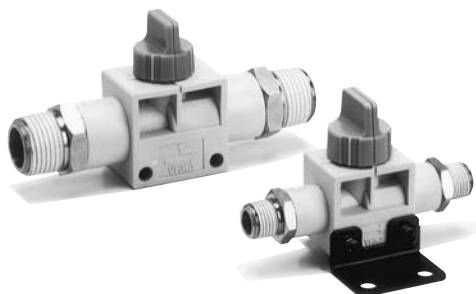
1(P)/2(A): One-touch Fitting



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



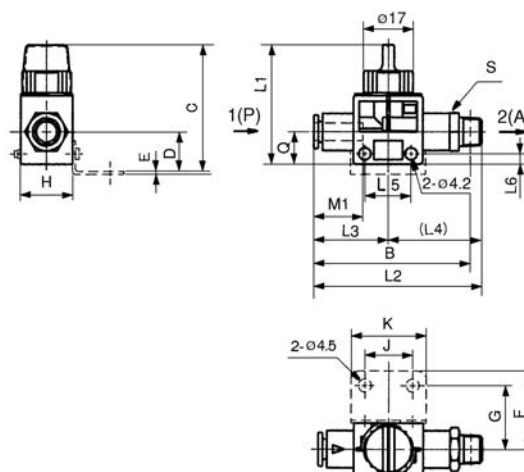
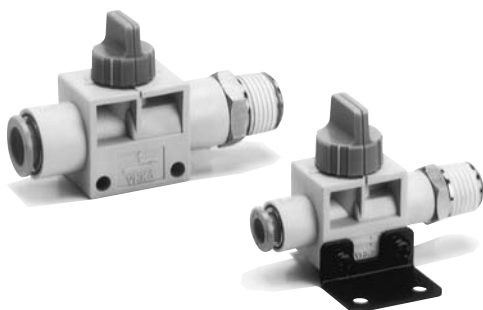
Connection thread R	Applicable tubing O. D. (mm)	Model	H	L1	L2	L3	L4	L5	L6	M1	Q	Effective area (mm ²)		Weight (g)	B**	S (Width across flats)	Bracket mounting dimensions							
1(P)	2(A)											1(P) R 2(A)	2(A) R 3(R)				Bracket assembly no.	C	D	E	F	G	J	K
M5	4	VHK□-M5-04F	18	41	52.9	23.8	29.1	16.5	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								
1/4	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			65.2	26.2	39							32	59	17								
	10	VHK□-02S-10F			73.8	30.5	43.3							49	68	19	VHK-B2A	49	17	1	30	25	21.5	31
3/8	12	VHK□-02S-12F	22	46	76.3	31.5	44.8	21.5	4	21.8	14	17.5	3.2	63	70	22								
	6	VHK□-03S-06F			62.4	24.3	38.1							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			74.8	30.5	44.3							51	68	19	VHK-B2A	49	17	1	30	25	21.5	31
1/2	12	VHK□-03S-12F	22	46	77.3	31.5	45.8	21.5	4	21.8	14	17.5	3.2	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

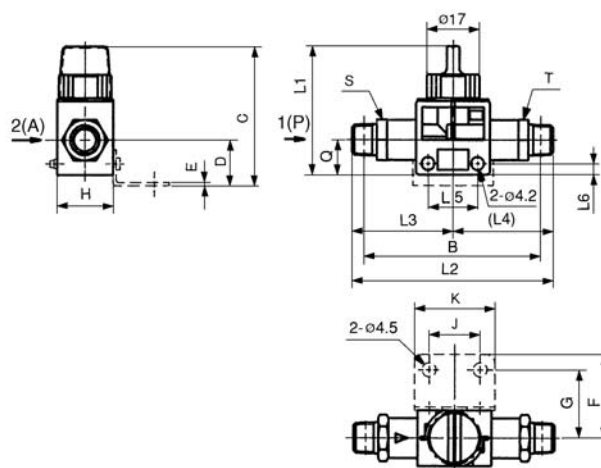
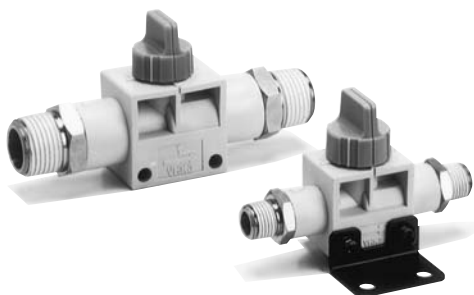


Applicable tubing O.D. (mm)	Connection thread R	Model	H	L1	L2	L3	L4	L5	L6	M1	Q	Effective area (mm ²)		Weight (g)	B**	S (Width across flats)	Bracket mounting dimensions														
												1(P) R 2(A)	2(A) R 3(R)*				Bracket assembly no.		C	D	E	F	G	J	K						
1(P)	2(A)																														
4	M5	VHK□-04F-M5	18	41	52.9	23.8	29.1		3.5	15.8	11	2.0	1.2	19	49	11	VHK-B1A	44.5	14.5	1	27	22	16.5	26							
	1/8	VHK□-04F-O1S			55.4		31.6					21		51	13																
6	M5	VHK□-06F-M5	18	41	53.9	24.3	29.6	16.5	3.5	16.8	11	2.0	1.2	21	50	11	VHK-B1A	44.5	14.5	1	27	22	16.5	26							
	1/8	VHK□-06F-O1S			56.9		32.6					23		53	13																
	1/4	VHK□-06F-O2S			60.4		36.1					31		54	17																
	3/8	VHK□-06F-O3S			62.4		38.1					41		56	14																
	1/8	VHK□-08F-O1S			62.2		36					31		58	17																
8	1/4	VHK□-08F-O2S	18	41	65.2	26.2	39	16.5	3.5	18.7	11	9.7	1.2	32	59	19	VHK-B1A	44.5	14.5	1	27	22	16.5	26							
	3/8	VHK□-08F-O3S			66.2		40					40		60	22																
10	1/4	VHK□-10F-O2S	22	46	73.8	30.5	43.3	21.5	4	20.8	14	16.1	3.2	49	68	17	VHK-B2A	49	17	1	30	25	21.5	31							
	3/8	VHK□-10F-O3S			74.8		44.3							51																	
	1/2	VHK□-10F-O4S			78.2		47.7							72	70	19															
12	1/4	VHK□-12F-O2S	22	46	76.3	31.5	44.8	21.5	4	21.8	14	17.5	3.2	63	70	22	VHK-B2A	49	17	1	30	25	21.5	31							
	3/8	VHK□-12F-O3S			77.3		45.8							64	71																
	1/2	VHK□-12F-O4S			80.2		48.7							70	72																

* 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 (mm²)		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
1(P)	2(A)										1(P) R 2(A)	2(A) R 3(R)*						VHK-B1A	44.5	14.5	1	27	22	16.5	26
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	93.9	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.