

# Vacuum valve Check valve SVK/SVKG

**HANWHA**



Utility

Link nut: M5 to G1/2 "

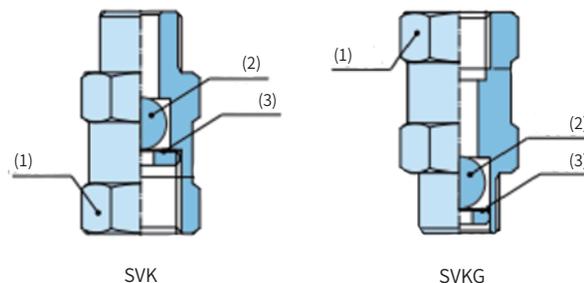
## Product characteristics

- \*Used in applications with multiple suction cups in vacuum systems, it can prevent non-contact with the workpiece or sudden detachmentThe suction cup from the workpiece has an impact on the system
- \*Isolate the suction cups of the unabsorbed workpiece from the vacuum system and maintain the vacuum degree of the system
- \*The same gripping system can handle workpieces of different shapes and sizes, enabling the gripping system toRepetitive application in different situations
- \*Multiple nominal sizes
- \*Provide top (SVK) or bottom (SVKG) external thread versions



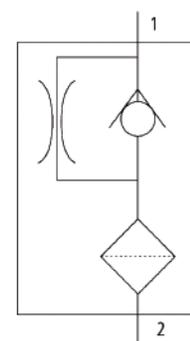
## Product structure

- \*1. Opposite side F
- \*2. Ball valve
- \*3. Filter screen



## Product advantages

- \*Close the unused suction cup vacuum circuit to maintain system vacuum
- \*Low leakage, can be compensated through bypass
- \*Can also be used in high nominal flow applications
- \*Can be connected to all commonly used suction cups and plates



SVK/SVKG circuit diagram (1=vacuum generation device; 2=vacuum suction cup;)

# Vacuum valve

## Check valve SVK/SVKG

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Utility

### SVK/SVKG Ordering NO

SVK	—	M5-IG
1		2

1-Series		2-Contact	
SVK	Top external thread	M5-AG	M5-AG (AG=male(M))
SVKG	Bottom external thread	M5-IG	M5-IG (IG=female(F))
		G1/8-AG	G1/8-AG
		G1/8-IG	G1/8-IG
		G1/4-AG	G1/4-AG
		G1/4-IG	G1/4-IG
		G3/8-AG	G3/8-AG
		G3/8-IG	G3/8-IG
		G1/2-AG	G1/2-AG
		G1/2-IG	G1/2-IG

### SVK/SVKG Technical Data

Models	Required suction rate at PU=-0.3 bar	Required suction rate at PU=-0.3 bar	Required suction rate at PU=-0.6 bar	Required suction rate at PU=-0.6 bar	Maximum blowing flow [m <sup>3</sup> /h]*	Required suction rate at PU=-0.3 bar	Weight [g]
	[m <sup>3</sup> /h]	[l/min]	[m <sup>3</sup> /h]	[l/min]		[m <sup>3</sup> /h]	
SVK M5-IG	0.07	1.2	0.08	1.3	4.8	80	2.2
SVK G1/8-IG	0.14	2.3	0.15	2.5	18.6	310	11.2
SVK G1/4-IG	0.17	2.9	0.20	3.4	20.4	340	17.5
SVK G3/8-IG	0.44	7.3	0.48	8.0	35.4	590	30.3
SVK G1/2-IG	0.49	8.1	0.54	9.0	47.4	790	47.4
SVK M5-AG	0.07	1.2	0.08	1.3	4.8	80	2.2
SVKG G1/8-AG	0.14	2.3	0.15	2.5	18.6	310	11.2
SVKG G1/4-AG	0.17	2.9	0.20	3.4	20.4	340	17.5
SVKG G3/8-AG	0.44	7.3	0.48	8.0	35.4	590	30.3
SVKG G1/2-AG	0.49	8.1	0.54	9.0	47.4	790	47.4

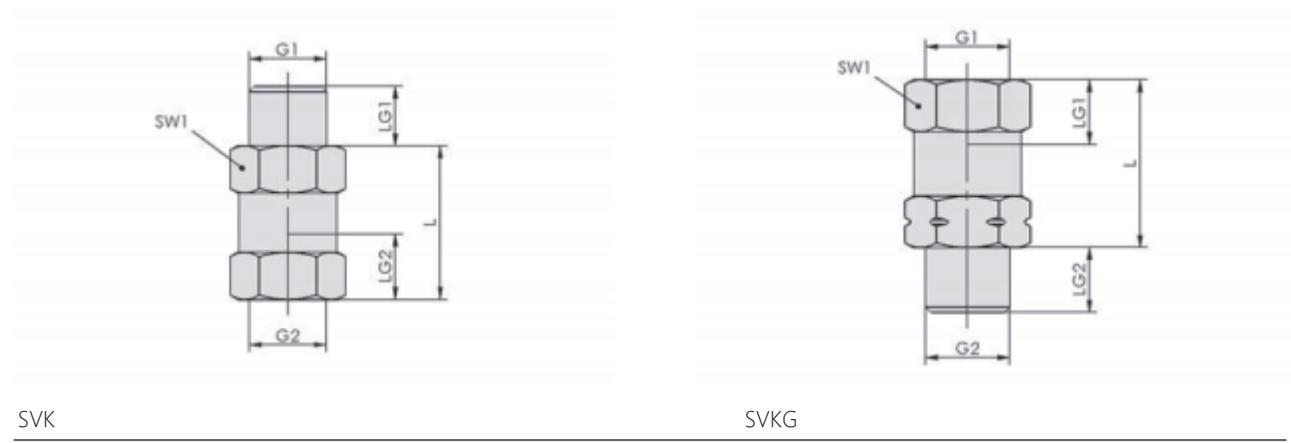
# Vacuum valve

## Check valve SVK/SVKG



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SVK/SVKG Specification



Size[mm]						
Models	G1	G2	H	LG1	LG2	SW1
SVK M5-IG	M5-M	M5-F	15.5	4.5	4.5	8
SVK G1/8-IG	G1/8"-M	G1/8"-F	26.0	8.0	8.5	14
SVK G1/4-IG	G1/4"-M	G1/4"-F	26.0	10.0	11.0	17
SVK G3/8-IG	G3/8"-M	G3/8"-F	29.0	10.0	12.0	22
SVK G1/2-IG	G1/2"-M	G1/2"-F	29.0	12.0	14.0	27
SVK M5-AG	M5-F	M5-M	20.0	4.5	4.5	8
SVKG G1/8-AG	G1/8"-F	G1/8"-M	26.0	8.5	8.0	14
SVKG G1/4-AG	G1/4"-F	G1/4"-M	26.0	11.0	10.0	17
SVKG G3/8-AG	G3/8"-F	G3/8"-M	29.0	12.0	10.0	22
SVKG G1/2-AG	G1/2"-F	G1/2"-M	29.0	14.0	12.0	27