Check Valve

Check Valve SVK

Connection thread: M5 to G1/4''

Check Valve SVK

Introduction and application

- For applications with multiple suction cups in vacuum systems, it prevents the effects of suction cups that are not in contact with the workpiece or suddenly come off the workpiece.
- Isolating the suction cup of the not adsorbed workpiece from the vacuum system to maintain the system vacuum
- The same gripping system can handle workpieces of different shapes and sizes, so that the gripping system can be repeatedly applied to different occasions.

Design

- Ball seat valve
- Ball in brass seat,aluminum shell, compact structure.
- Suitable for installation in any orientation

Advantage

- Closing of inapplicable vacuum suction cups to maintain the system vacuum.
- Low leakage rate which can be compensated with the aid of a bypass.
- Also suitable for use in applications with high nominal flow rates
- Can be connected to all common suction cups and plates

Ordering Guide Check Valve SVK

	Connection thread
Example SVK M5-IG	
SVK	M5-IG
SVK top external thread	M5-IG
	G1/8-IG
	G1/4-IG

Note: IG=internal thread (F)

Ordering Data Check Valve SVK

Type	Ordering Data
SVK M5-IG	90.06.01.00029
SVK G/8-IG	90.06.01.00030
SVK G/4-IG	90.06.01.00031

Technical Data Check Valve SVK

Type	Evacuation rate for pu = -0.3 bar [m^3/h]	Evacuation rate for pu = -0.3 bar [l/min]	Evacuation rate for pu = -0.6 bar [m^3/h]	Evacuation rate for pu = -0.6 bar [l/min]	Flow rate max. [m^3/h]*	Flow rate max. [l/min]	Weight [g]
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	0.2	3.4	20.4	340	17.5

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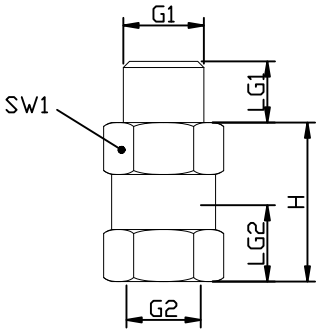
Design Data Check Valve SVK

SVK M5 to G1/4



Type	Dimensions[mm]					
	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	8	8.5	14
SVK G1/4-IG	G1/4"-M	G1/4"-F	26	10	11	17

Check valve SVK circuit diagram

SVK circuit diagram (1 = vacuum generator; 2 = vacuum suction cup)