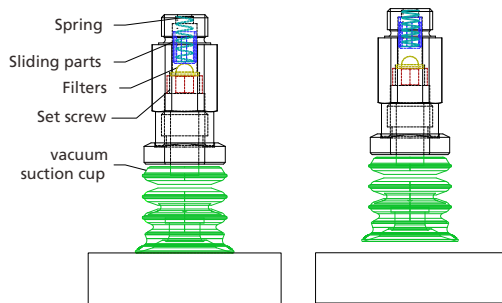


# Check valve ISV

## Check valve ISV

Connect threads M5 to G3/8 "

Check valve ISV



### Introduction and application

- ◆ It is used to arrange a plurality of grippers in parallel to prevent vacuum dissipation under the condition of insufficient contact of one or more suckers
- ◆ Catch randomly placed products
- ◆ Save compressed air and energy, only can adsorb based on 100% contact
- ◆ Keep vacuum

### Design

- ◆ ISV valve is installed between vacuum generator and suction cup
- ◆ If a suction cup is not attached or only partially attached during vacuum, ISV will automatically stop air intake
- ◆ When the suction cup tightly adheres to the surface, vacuum will occur again
- ◆ When the suction cup puts down the object, the ISV valve will close immediately

### Check valve ISV ordering guide

Breviations	Connecting thread
Example ISV M5-IG	
ISV	M5-IG
ISV top external thread	M5-IG
	M6-IG
	M10-IG
	G1/8-IG
	G1/4-IG
	G3/8-IG

Note:IG=Internal thread (F)

### Check valve ISV ordering data

Type	Ordering data
ISV M5-IG	30.05.01
ISV M6-IG	30.05.02
ISV M10-IG	30.05.03
ISV G1/8-IG	30.05.04
ISV G1/4-IG	30.05.05
ISV G3/8-IG	30.05.06

### Technical parameters of check valve ISV

Type	-the required flow at -0.5 bar[l/min]	Available injection pulse [bar]	Working pressure [bar]	weight [g]
ISV M5-IG	1.0	≤8	-0.95...0	4.0
ISV M6-IG	2.0	≤8	-0.95...0	14
ISV M10-IG	2.0	≤8	-0.95...0	18
ISV G1/8-IG	2.0	≤8	-0.95...0	9.0
ISV G1/4-IG	1.6	≤8	-0.95...0	16
ISV G3/8-IG	1.5	≤8	-0.95...0	33

# Check valve ISV

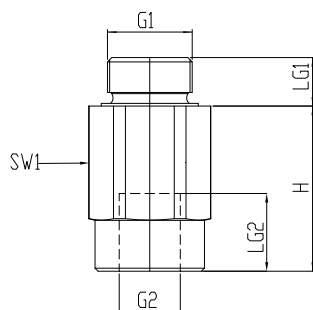
## Check valve ISV

Connect threads M5 to G3/8 "



### Design parameters of check valve ISV

ISV M5 to G3/8



Type	Size[mm]						
	G1	G2	LG1	LG2	H	SW1	
ISV M5-IG	M5	M5	4.3	5.5	10.7	8	
ISV M6-IG	M6	M6	5	6	18	14	
ISV M10-IG	M10	M10	4.7	10	18.5	17	
ISV G1/8-IG	G1/8	G1/8	6.5	16.7	29.5	13	
SVK G1/4-IG	G1/4	G1/4	8	15.2	29.5	17	
SVK G3/8-IG	G3/8	G3/8	9	16.9	33	22	