

# ZVR Series

Check Valve



## Features

- ◇ In the process of grabbing workpiece, it will not affect the whole vacuum system once suction cups do not suck the workpiece or the workpiece falls off after absorption.
- ◇ In above condition, the suction cups are isolated from vacuum system to make sure that the vacuum level and vacuum flow in the whole vacuum system are maintained. It is specific for gripping workpieces with varying sizes and shaped in a vacuum system.

## How to order

**ZVR 05 - G1M**

① ② ③

① Series	② Over flow port diameter	③ Suction cup connection thread	
<b>ZVR</b>	<b>04</b> - $\phi 0.4\text{mm}$	<b>M5F</b> - M5 Female thread	<b>M5M</b> - M5 Male thread
	<b>05</b> - $\phi 0.5\text{mm}$	<b>G1F</b> - G1/8 Female thread	<b>G1M</b> - G1/8 Male thread
	<b>06</b> - $\phi 0.6\text{mm}$	<b>G2F</b> - G1/4 Female thread	<b>G2M</b> - G1/4 Male thread
	<b>10</b> - $\phi 1.0\text{mm}$	<b>G3F</b> - G3/8 Female thread	<b>G3M</b> - G3/8 Male thread
	<b>12</b> - $\phi 1.2\text{mm}$	<b>G4F</b> - G1/2 Female thread	<b>G4M</b> - G1/2 Male thread

## Selection

Model/ Connection thread	M5		G1		G2		G3		G4	
	M	F	M	F	M	F	M	F	M	F
<b>ZVR04</b>	●	●	—	—	—	—	—	—	—	—
<b>ZVR05</b>	—	—	●	●	—	—	—	—	—	—
<b>ZVR06</b>	—	—	—	—	●	●	—	—	—	—
<b>ZVR10</b>	—	—	—	—	—	—	●	●	—	—
<b>ZVR12</b>	—	—	—	—	—	—	—	—	●	●

◇Note: "●"- standard, in stock. "—" -unavailable.

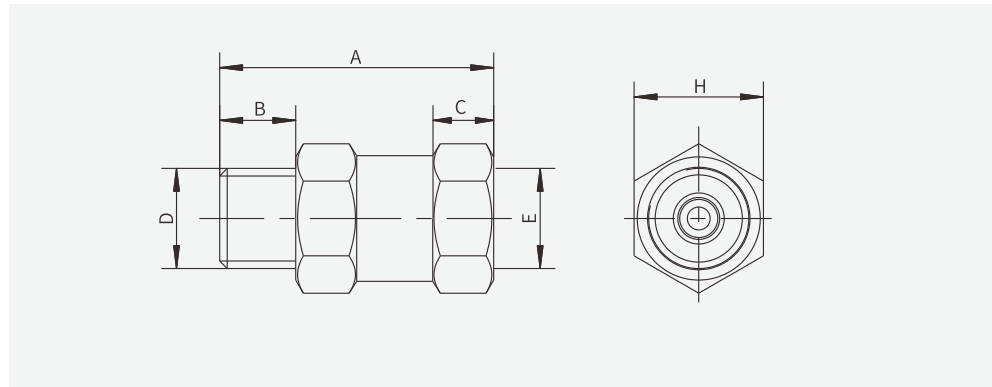
## Technical parameters

Model	Suction flow at -30kPa (NL/min)	Suction flow at -60kPa (NL/min)	Max.blow flow (NL/min)
<b>ZVR04-M5</b>	1.2	1.3	80
<b>ZVR05-G1</b>	2.3	2.5	310
<b>ZVR06-G2</b>	2.9	3.4	340
<b>ZVR10-G3</b>	7.3	8	590
<b>ZVR12-G4</b>	8.1	9	790

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## Dimensions (mm)



Model/ Size	A	B	C	D	E	H
<b>ZVR04-M5</b>	20	4.5	4.5	M5	M5	8
<b>ZVR05-G1</b>	28	8	8	G1/8	G1/8	14
<b>ZVR06-G2</b>	36	10	11	G1/4	G1/4	17
<b>ZVR10-G3</b>	39	10	12	G3/8	G3/8	22
<b>ZVR12-G4</b>	41	12	14	G1/2	G1/2	27