AIRBEST

# ZVR Series

Check Valve

UNIVERSAL

## Features

◇ In the process of grabbing workpiece, it will not affect the whole vacuum system once suction cups do ot 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 ① 05 ② - G1M ③

| ① Series | ② Over flow port diameter | ③ Suction cup connection thread | |
|---|---|---|---|
| ZVR | **04** - Φ0.4mm | **M5F** - M5 Female thread | **M5M** - M5 Male thread |
| | **05** - Φ0.5mm | **G1F** - G1/8 Female thread | **G1M** - G1/8 Male thread |
| | **06** - Φ0.6mm | **G2F** - G1/4 Female thread | **G2M** - G1/4 Male thread |
| | **10** - Φ1.0mm | **G3F** - G3/8 Female thread | **G3M** - G3/8 Male thread |
| | **12** - Φ1.2mm | **G4F** - G1/2 Female thread | **G4M** - G1/2 Male thread |

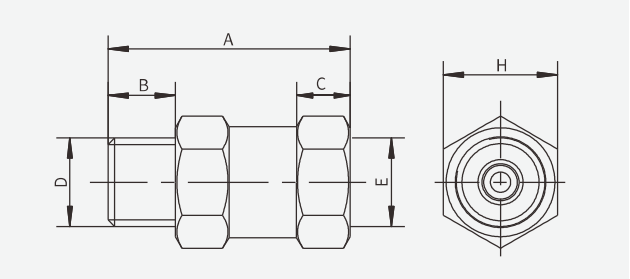
## Selection

| Model | Connection thread | |
|---|---|---|
| | Female thread | Male thread |
| **ZVR04** | M5F | M5M |
| **ZVR05** | G1F | G1M |
| **ZVR06** | G2F | G2M |
| **ZVR10** | G3F | G3M |
| **ZVR12** | G4F | G4M |

## Technical parameters

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

## Dimensions (mm)




| Model/ Size | A | B | C | D | E | H |
|---|---|---|---|---|---|---|
| **ZVR04-M5** | 20 | 4.5 | 5 | M5 | M5 | 8 |
| **ZVR05-G1** | 28 | 8 | 6 | G1/8 | G1/8 | 14 |
| **ZVR06-G2** | 36 | 10 | 8 | G1/4 | G1/4 | 17 |
| **ZVR10-G3** | 39 | 10 | 8 | G3/8 | G3/8 | 22 |
| **ZVR12-G4** | 41 | 12 | 9 | G1/2 | G1/2 | 27 |