Vacuum Ejectors

**Standard Type**

**Part Number**

- VJHB

**Operation Method**

- Air Pressure Operation with Pilot Valve

**Compressed Air**

- *Vacuum Destructive Pressure Control Needle*
  - *Vacuum Destructive Flow Control Needle*

**Electromagnetic Valve Specifications**

- **VJHB**
  - **Vacuum Destructive Pressure Control Needle**
  - **Vacuum Destructive Flow Control Needle**

**Electrical Circuit**

- Connection Method: Red: DC24V   Black: COM
- Allowable Voltage Range: DC24V±10%
- Operation Indicator: Coil Excitation Operation: Red LED On
- Power Consumption: 1.2W (with LED)

**Power Supply**

- Air: 0.005~0.05MPa
- Water: 0.3~0.7MPa

**Features**

- Vacuum generator with built-in electromagnetic valve enables compact wiring.
- Because of the vacuum break air (air used for release vacuum environment) pressure, air pressure is reduced from being blown off.

**Vacuum Generation Examples**

- Compressed Air
- Vacuum Air
- Vacuum Destructive Air
- Vacuum Destructive Flow Control Needle

**Part Number**

- R00

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**Part Number**

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**Seal Plugs / Oil Seals / Lubrication-Free Seals**

**Seal Plugs**

- Type: FSPS

**Seal Plugs / Oil Seals**

- Type: FSPS

**Lubrication-Free Seals**

- Type: MFHN

**Part Number**

- M14x1.5

**Vacuum Generation Diffuser**

- Brass + Electroless Nickel Plating

**Main Valve**

- Aluminum Alloy

**Filter Cover Holder**

- Aluminum Alloy

**Filter Cover Holder**

- Aluminum Alloy

**Pilot Valve**

- Aluminum Alloy

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**Features**

- 1. The characteristic supply pressure above is for vacuum generation.
- 2. Valve can cause otherwise severe sound and noise such as pump noise (A ≈ 40~42dB) and ultimate vacuum is reached. This abnormal sound indicates an unwanted property, and, the noise will be large in a certain vacuum. It will affect the sensor and other objects and cause troubles. Please root cause pressure and noise.
- 3. The pressure in the VHP with vacuum generator operating, vacuum supply pressure lowers until 0.4MPa, 0.3MPa of the atmospheric pressure and atmospheric noise occurs.
- 4. Theoretical supply pressure is 0.05MPa with vacuum generator operating, vacuum supply pressure lowers until 0.4MPa.
- 5. When selecting plumbing and equipment, use a valve three times as large as nozzle. If the air flow rate is not retained, insufficient vacuum generation may occur.
- 6. When selecting plumbing and equipment, use connections three times as large as nozzle. If the air flow rate is not retained, insufficient vacuum generation may occur.
- 7. Select plumbing and equipment to confirm necessary effective sectional area.
- 8. Select plumbing and equipment to confirm necessary effective sectional area, 0.3mm2 or more.