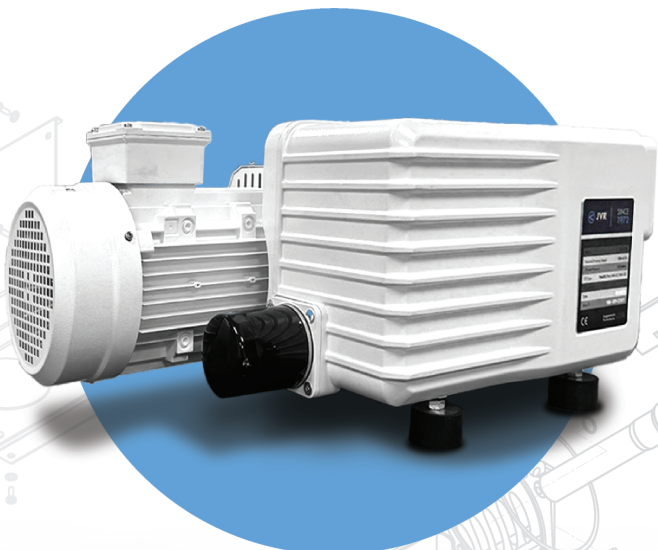


pumping speed: 65m³/h - 300m³/h

SINGLE-STAGE ROTARY VANE VACUUM PUMP



MODELS

RVS65 | **RVS100** | **RVS200** | **RVS300**



PRODUCT FEATURES

- **Excellent Performance**

Integrated pump structure with high precision engineering. Advanced vane technology delivers stable performance and ensures superior system reliability.

- **Excellent Heat Dissipation**

Air-cooled design eliminates the need for an external water-cooling system, reducing installation complexity and maintenance costs.

- **Clean & Green**

Features a high-quality built-in oil mist filter that efficiently captures oil mist, prevents pollution, and helps protect the environment.

- **FKM Seals**

Enhances corrosion resistance and effectively prevents oil leakage for improved durability and reliability.

- **Anti-Suckback Structure**

Prevents oil contamination in the vacuum system after shutdown, helping maintain performance and extend system life.

- **Compact Structure**

Seamlessly integrated pump and motor for a lighter, more compact build. Its optimized size makes it ideal for a wide range of applications.

- **Two-Shift Adjustable Gas Ballast Valve**

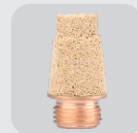
Meets a wide range of vacuum level requirements while efficiently handling water vapor.



Anti-Suckback Valve



Vacuum Pump Exhaust Filter

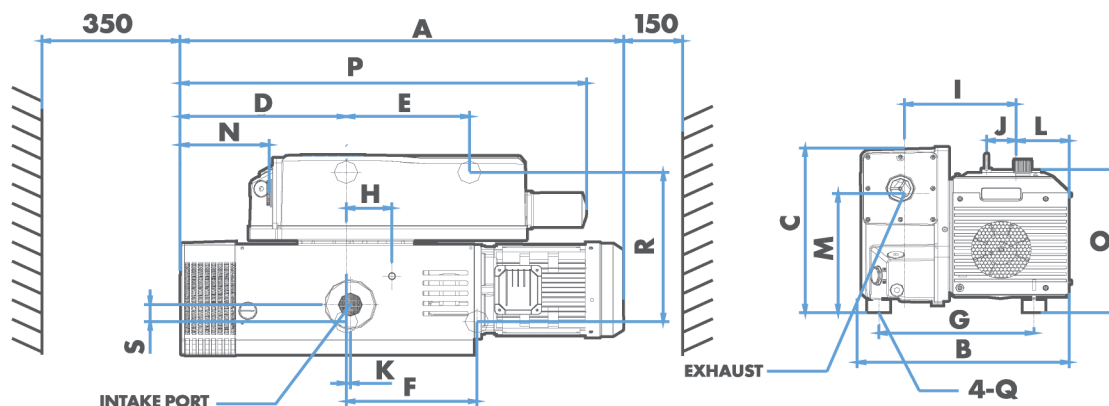


Gas Ballast Valve



Oil Seal

| | UNIT | RVS65 | RVS100 | RVS200 | RVS300 |
|--|-------------------------|--------------------|------------------|--------------------|--------------------|
| Nominal Pumping Speed | cfm (m ³ /h) | 38.3 (65) | 70.6 (120) | 141.3 (240) | 176.6 (300) |
| Ultimate Pressure without Gas Ballast | Torr | ≤ 0.25 | ≤ 0.25 | ≤ 0.075 | ≤ 0.075 |
| Ultimate Pressure with Gas Ballast I | Torr | ≤ 0.5 | ≤ 0.5 | ≤ 0.375 | ≤ 0.375 |
| Ultimate Pressure with Gas Ballast II | Torr | ≤ 1.5 | ≤ 1.5 | ≤ 1.125 | ≤ 1.125 |
| Noise (Lw) | dB | ≤ 65 | ≤ 65 | ≤ 74 | ≤ 77 |
| Power Supply | | 3 PH | 3 PH | 3 PH | 3 PH |
| Nominal Motor Rating | hp | 2.0 | 4.0 | 7.5 | 10.0 |
| Motor Speed | rpm | 1720 | 1720 | 1720 | 1720 |
| Oil Capacity | quarts | 2.1 | 2.6 | 7.4 | 8.5 |
| Protection Class | | IP54 | IP54 | IP54 | IP54 |
| Inlet Thread | | G1 1/4" | G1 1/4" | G2" | G2" |
| Approximate Weight | lbs | 94 | 159 | 362 | 474 |
| Dimensions (LxWxH) | in | 21.9 x 12.2 x 10.6 | 27.7 x 16 x 11.3 | 36.6 x 20.9 x 17.2 | 40.7 x 21.3 x 17.1 |



| MODEL | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | INTAKE PORT | EXHAUST PORT |
|---------------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|----|-------------|--------------|
| RVS65 | 555 | 311 | 268 | 149 | 215 | 200 | 254 | 58 | 189 | 51 | 5 | 72 | 203 | 33 | 252 | 464 | M8 | 242 | 33 | G1 1/4" | G1 1/4" |
| RVS100 | 703 | 406 | 286 | 165 | 225 | 225 | 320 | 131 | 226 | 42 | 27 | 91 | 220 | 61 | 280 | 578 | M10 | 258 | 41 | G1 1/4" | G1 1/4" |
| RVS200 | 932 | 533 | 412 | 263 | 252 | 305 | 394 | 113 | 298 | 66 | 32 | 135 | 305 | 134 | 382 | 918 | M10 | 394 | 45 | G2" | G2" |
| RVS300 | 1035 | 540 | 434 | 326 | 313 | 332 | 394 | 159 | 284 | 75 | 11 | 135 | 314 | 132 | 377 | 966 | M10 | 394 | 45 | G2" | G2" |