

VRD-4/8/16/24/30 48/65/90

Pumping speed: 4-90m³/h Dual-stage rotary vane vacuum pump



Product Feature

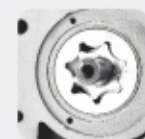
- Excellent performance**
 Integral pump structure, require higher accuracy; Proven vanes technology, makes the performance more stable; Ensure the pump system with higher reliability.
- Excellent heat dissipation**
 Air-cooled structure, without external water cooling system, reduce the installation and maintenance costs.
- Forced lubrication**
 Built-in gear pump and constant pressure oil supply mechanism forced oil supply, ensure the stable and reliable operation under high suction pressure.
- Two-shift adjustable gas ballast valve**
 Meet customer's vacuum requirement and steam handling capacity.
- FKM seals**
 Improve corrosion resistance and solve the problem of oil leakage.
- Double anti-suck back structure**
 Automatically prevent oil suck back, and more reliably protects your vacuum system from oil contamination after vacuum pump shutdown.
- High quality oil mist filter (for option)**
 Effectively filter oil mist, protect the environment clean.



Gas ballast



Auto anti-suckback valve



Gear pump



Integrated pump body structure

Specifications

| Model | | | VRD-4 | VRD-8 | VRD-16 | VRD-24 |
|---|------|-------------------------|--------------------|--------------------|--------------------|--------------------|
| Displacement speed | 50Hz | m ³ /h (L/s) | 4(1.1) | 8(2.2) | 16(4.4) | 24(6.6) |
| | 60Hz | | 4.8(1.3) | 9.6(2.6) | 19.2(5.2) | 28.8(7.9) |
| Ultimate partial pressure gas ballast close | Pa | | 5×10 ⁻² | 5×10 ⁻² | 4×10 ⁻² | 4×10 ⁻² |
| Ultimate total pressure gas ballast close | Pa | | 5×10 ⁻¹ | 5×10 ⁻¹ | 4×10 ⁻¹ | 4×10 ⁻¹ |
| Ultimate total pressure gas ballast open | Pa | | 10 | 10 | 8×10 ⁻¹ | 8×10 ⁻¹ |
| Power supply | | | Single/Three-Ph | Single/Three-Ph | Single/Three-Ph | Single/Three-Ph |
| Power rating(50/60Hz) | kW | | 0.4/0.37 | 0.4/0.37 | 0.75/0.55 | 1.1/0.75 |
| Level of protection | | | IP44 | IP44 | IP44 | IP44 |
| Intake and exhaust | | | KF16/25 | KF16/25 | KF25 | KF25/40 |
| Oil capacity | L | | 0.6~1.0 | 0.6~1.0 | 0.9~1.5 | 1.3~2.0 |
| Motor speed (50/60Hz) | rpm | | 1440/1720 | 1440/1720 | 1440/1720 | 1440/1720 |
| Ambient temperature | °C | | 10-40 | 10-40 | 10-40 | 10-40 |
| Noise level (50Hz) | dB | | ≤52 | ≤52 | ≤58 | ≤58 |
| Weight | kg | | 19 | 21 | 30 | 35 |
| Dimension (L*W*H) | mm | | 445x144x217 | 445x144x217 | 535x188x275.2 | 567x188x275.5 |

| Model | | | VRD-30 | VRD-48 | VRD-65 | VRD-90 |
|---|------|-------------------------|--------------------|--------------------|--------------------|--------------------|
| Displacement speed | 50Hz | m ³ /h (L/s) | 30(8.3) | 48(13.3) | 65(18) | 85(23.6) |
| | 60Hz | | 36(9.9) | 57.6(16) | 78(21.6) | 102(28.3) |
| Ultimate partial pressure gas ballast close | Pa | | 4×10 ⁻² | 4×10 ⁻² | 4×10 ⁻² | 4×10 ⁻² |
| Ultimate total pressure gas ballast close | Pa | | 4×10 ⁻¹ | 4×10 ⁻¹ | 4×10 ⁻¹ | 4×10 ⁻¹ |
| Ultimate total pressure gas ballast open | Pa | | 8×10 ⁻¹ | 1.5 | 1.5 | 1.5 |
| Power supply | | | Single/Three-Ph | Three-Ph | Three-Ph | Three-Ph |
| Power rating | kW | | 1.1 | 1.5 | 2.2 | 3 |
| Level of protection | | | IP44 | IP44 | IP44 | IP44 |
| Intake and exhaust | | | KF25/40 | KF40 | KF40 | KF40 |
| Oil capacity | L | | 1.3~2.0 | 3.3~4.5 | 3.3~4.5 | 3.3~4.5 |
| Motor speed (50/60Hz) | rpm | | 1440/1720 | 1440/1720 | 1440/1720 | 1440/1720 |
| Ambient temperature | °C | | 10-40 | 10-40 | 10-40 | 10-40 |
| Noise level (50Hz) | dB | | ≤58 | ≤62 | ≤62 | ≤65 |
| Weight | kg | | 43 | 62 | 65 | 65 |
| Dimension (L*W*H) | mm | | 567x188x272 | 730x234x358 | 730x234x358 | 730x234x358 |