

# VRD-8C/16C/30C 48C/65C

Pumping speed: 8-65m<sup>3</sup>/h

## Dual-stage anti-corrosion 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.
- Anti-corrosion**  
 Special process treatment of pump body can reduce the corrosion and pollution of chemical substances which pumped into the pump body.
- 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**  
 Satisfies the different requirements of vacuum degrees and the handling of water vapor.
- 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

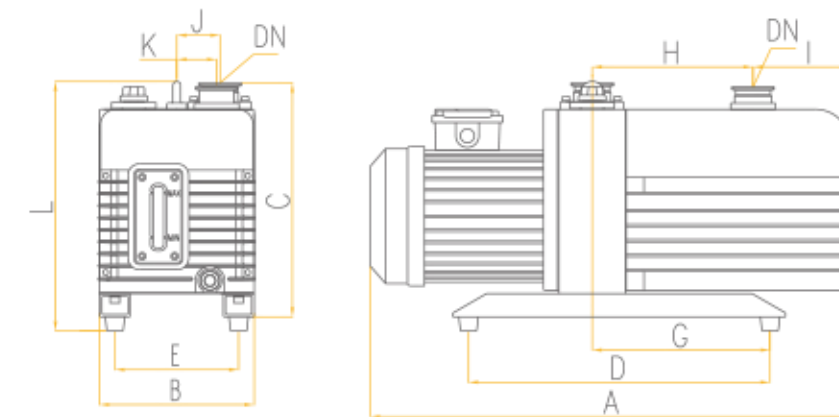


Integrated pump body structure

### Specifications

Model		VRD-8C	VRD-16C	VRD-30C	VRD-48C	VRD-65C	
Displacement speed	50Hz	m <sup>3</sup> /h (L/s)	8(2.2)	16(4.4)	30(8.3)	48(13.3)	65(18)
	60Hz		9.6(2.6)	19.2(5.2)	36(9.9)	57.6(16)	78(21.6)
Ultimate partial pressure gas ballast close	Pa	5×10 <sup>-2</sup>	4×10 <sup>-2</sup>	4×10 <sup>-2</sup>	4×10 <sup>-2</sup>	4×10 <sup>-2</sup>	
Ultimate total pressure gas ballast close	Pa	5×10 <sup>-1</sup>	4×10 <sup>-1</sup>	4×10 <sup>-1</sup>	4×10 <sup>-1</sup>	4×10 <sup>-1</sup>	
Ultimate total pressure gas ballast open	Pa	10	8×10 <sup>-1</sup>	8×10 <sup>-1</sup>	1.5	1.5	
Power supply		Single/Three-Ph	Single/Three-Ph	Single/Three-Ph	Three-Ph	Three-Ph	
Power rating	kW	0.4/0.37	0.75/0.55	1.1	1.5	2.2	
Level of protection		IP44	IP44	IP44	IP44	IP44	
Intake and exhaust		KF16/25	KF25	KF25/40	KF40	KF40	
Oil capacity	L	0.6~1.0	0.9~1.5	1.3~2.0	3.3~4.5	3.3~4.5	
Motor speed (50/60Hz)	rpm	1440/1720	1440/1720	1440/1720	1440/1720	1440/1720	
Ambient temperature	°C	10-40	10-40	10-40	10-40	10-40	
Noise level (50Hz)	dB	≤52	≤58	≤58	≤62	≤62	
Weight	kg	21	30	43	62	65	
Dimension (L*W*H)	mm	445x144x217	535x188x272	567x188x275.5	730x234x358	730x234x358	

### Dimension



VRD-C Dimensions (unit:mm)

Model	A	B	C	D	E	G	H	I	J	K	L	DN
VRD-8C	445	144	217	210	110	102	143.5	45	45.5	34	/	KF16/25
VRD-16C	535	188	275.5	320	148	160	165	69	59	38	295	KF25
VRD-30C	567	188	275.5	320	148	160	185	82	59	47	295	KF25/40
VRD-48C	730	234	358	396	190	200	223	157	69	55	390	KF40
VRD-65C	730	234	358	396	190	200	223	157	69	55	390	KF40