

VACUUM PUMPS

VE N SERIES / STANDARD VERSION

Totally Upgrade

VE N Series

More Reliable,
Higher Ultimate Vacuum

15 micron

2~10 CFM



Single Stage

Item No.	VE115N	VE125N	VE135N	VE160N	VE180N	
Flow Rate	50 Hz	1.8CFM	2.5 CFM	3.5 CFM	6 CFM	8 CFM
		51 l/min	70 l/min	100 l/min	170 l/min	226 l/min
	60 Hz	2.0 CFM	3.0 CFM	4.0 CFM	7.0 CFM	9.0 CFM
		57 l/min	84 l/min	113 l/min	198 l/min	254 l/min
Ultimate Vacuum	2 Pa	2 Pa	2 Pa	2 Pa	2 Pa	
	150 micron	150 micron	150 micron	150 micron	150 micron	
Power	1/4 HP	1/4 HP	1/3 HP	1/2 HP	3/4 HP	
Inlet Port	1/4" Flare	1/4" Flare	1/4" & 3/8" Flare	1/4" & 3/8" Flare	1/4" & 3/8" Flare	
Oil Capacity	250 ml	250 ml	250 ml	415 ml	660 ml	
Dimensions(mm)	290×124×224	290×124×224	318×124×234	338×138×244	395×145×257	
Weight	6.6 kg	7.1 kg	8.0 kg	9.9 kg	14.6 kg	

Dual Stage

Item No.	VE215N	VE225N	VE245N	VE260N	VE280N	VE2100N	
Flow Rate	50 Hz	1.5 CFM	2.5 CFM	4.5 CFM	6 CFM	8 CFM	10 CFM
		42 l/min	70 l/min	128 l/min	170 l/min	226 l/min	283 l/min
	60 Hz	1.8 CFM	3 CFM	5 CFM	7 CFM	9 CFM	12 CFM
		50 l/min	84 l/min	142 l/min	198 l/min	254 l/min	340 l/min
Ultimate Vacuum	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	
	15 micron	15 micron	15 micron	15 micron	15 micron	15 micron	
Power	1/4HP	1/3HP	1/2HP	3/4HP	1HP	1HP	
Inlet Port	1/4" Flare	1/4" Flare	1/4" & 3/8" Flare	1/4" & 3/8" Flare	1/4" & 3/8" Flare	1/4" & 3/8" Flare	
Oil Capacity	200 ml	200 ml	325 ml	580 ml	500 ml	590 ml	
Dimensions(mm)	308×124×224	318×124×234	338×138×244	395×145×257	395×145×257	395×145×257	
Weight	7.5 kg	8.5 kg	10.4 kg	15.8 kg	16.2 kg	16.7 kg	

VACUUM PUMPS

VE N SERIES / DUAL VOLTAGE SERIES

DUAL VOLTAGE

It's New

110~220V | 50~60Hz

Power plug

---make this connection with different power plugs easy.

Power supply conversion switch

---make sure this switch is set on the right place before operating: 110V or 220V.



Dual Stage

Item No.	VE215ND	VE225ND	VE245ND	
Flow Rate	50 Hz	1.5 CFM	2.5 CFM	4.5 CFM
		42 l/min	70 l/min	128 l/min
	60 Hz	1.8 CFM	3.0 CFM	5.0 CFM
		50 l/min	84 l/min	142 l/min
Ultimate Vacuum	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	
	15 micron	15 micron	15 micron	
Power	1/4HP	1/3HP	1/2HP	
Inlet Port	1/4" Flare	1/4" Flare	1/4" & 3/8" Flare	
Oil Capacity	200 ml	200 ml	325 ml	
Dimensions(mm)	318×124×234	318×124×234	338×138×244	
Weight	8.5 kg	8.5 kg	10.4 kg	

Item No.	VE260ND	VE280ND	VE2100ND	
Flow Rate	50 Hz	6 CFM	8 CFM	10 CFM
		170 l/min	226 l/min	283 l/min
	60 Hz	7 CFM	9 CFM	12 CFM
		198 l/min	254 l/min	340 l/min
Ultimate Vacuum	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	
	15 micron	15 micron	15 micron	
Power	3/4HP	1HP	1HP	
Inlet Port	1/4" & 3/8" Flare	1/4" & 3/8" Flare	1/4" & 3/8" Flare	
Oil Capacity	580 ml	500 ml	590 ml	
Dimensions(mm)	395×145×257	395×145×257	395×145×257	
Weight	15.8 kg	16.2 kg	16.7 kg	

INDUSTRIAL VACUUM PUMPS

VRD SERIES

INDUSTRIAL VACUUM PUMPS

VALUE's VRD series vacuum pumps are designed and manufactured to meet the requirements of various scientific and industrial applications such as analytic instruments, laboratories and product line for refrigeration, electronics, light, semiconductor, etc..

Excellent Performance:

- Automatic anti-suckback valve, protect your system from oil and oil steam when power suddenly goes off.
- Internal forced oil cycling system, fully lubricates the pump and make the lifetime longer and vacuum better.
- Adjustable gas ballast for different needs of steam emission.
- High reliable integrated cylinder structure, suits production lines better.
- Different voltage types for different countries and regions.

Range of Use:

- Semiconductor Industry
- Scientific Instruments
- Mechanical Equipments
- Chemical Industry
- Vacuum Metallurgy
- Medical Instruments
- Vacuum Packaging



INDUSTRIAL VACUUM PUMPS

VRD SERIES

Dual Stage

It's New



HIGH RELIABILITY

Model		VRD-4	VRD-8	VRD-16	VRD-24	VRD-30	VRD-40	VRD-60
Displacement speed m ³ /h (CFM)	50 Hz	4 (2.4)	8 (4.7)	16 (9.4)	24 (14.1)	30 (17.6)	50 (29.4)	65 (38.2)
	60 Hz	4.8 (2.8)	9.6 (5.6)	19.2 (11.2)	28.8 (16.9)	36 (21.2)	60 (35.3)	78 (45.9)
Ultimate Pressure (mbar)	Partial Pressure	5 × 10 ⁻²	5 × 10 ⁻²	5 × 10 ⁻²	5 × 10 ⁻²	5 × 10 ⁻²	5 × 10 ⁻²	5 × 10 ⁻²
	Total Pressure	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹
Power supply		single/3-ph	single/3-ph	single/3-ph	single/3-ph	single/3-ph	3-ph	3-ph
Motor power (KW)		0.45 (single/3-ph)	0.55 (single/3-ph)	0.75/0.55 (single/3-ph)	1.1/0.75 (single/3-ph)	1.1 (single/3-ph)	2.2 (single/3-ph)	2.2 (single/3-ph)
Inlet and outlet port DN(mm)		16KF	16KF	25 KF	25 KF	25 KF	40 KF	40 KF
Oil capacity (L)		0.26~0.35	0.45~0.55	0.9~1.5	1.3~2.0	1.3~2.0	1.8~3.0	1.8~3.0
Motor speed (rpm)	50 Hz	1440	1440	1440	1440	1440	1440	1440
	60 Hz	1720	1720	1720	1720	1720	1720	1720
Ambient temperature (°C)		10~40	10~40	10~40	10~40	10~40	10~40	10~40
Noise level dB(A)		≤56	≤56	≤58	≤58	≤58	≤62	≤62
Type of Protection (IP)		44	44	44	44	44	44	44
Weight (kg)		19	21	32	35	43	65	76

VRD POWER SUPPLY TABLE

Model		VRD-4	VRD-8	VRD-16	VRD-24	VRD-30	VRD-40	VRD-60
Single Phase	100V/50Hz-60Hz	●	●	/	/	/	/	/
	110V/60Hz	●	●	/	/	/	/	/
	220V/50Hz	/	/	●	●	●	/	/
	220V/60Hz	/	/	●	●	●	/	/
	220V/50Hz-60Hz	●	●	/	/	/	/	/
3-Phase	380-420V/50Hz-60Hz	●	●	●	●	●	●	●
	200-220V/50Hz-60Hz	●	●	●	●	●	●	●