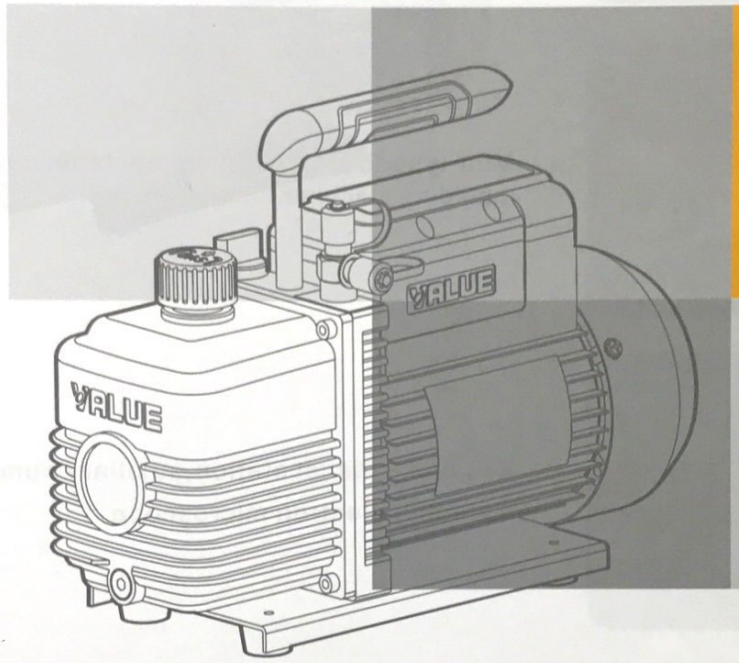

VRI dual stage Vacuum Pump

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Equipped with anti-suckback solenoid valve

Forced oil cycling system
makes high reliability of the pump

Integrated cylinder structure ensures
high ultimate vacuum

Convenient to manage the oil level by
big sight glass design

VRI Series Vacuum Pump
Better reliability and higher ultimate vacuum

Rotary vane technology simplified the processing of vacuum pump. Integrated cylinder structure, good material and advanced precise machining guarantee the pump to continuously run with stable and high ultimate vacuum. Forced oil pump lubrication system guarantees high reliability and the big sight glass design prevents oil shortage.

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VRI-1

Smaller, Lighter

- Forced oil cycling system makes high reliability of the pump.
- Equipped with anti-suckback solenoid valve.
- Convenient to manage the oil level with big sight glass design.
- Integrated cylinder structure ensures high ultimate vacuum.
- Smaller, lighter, and easy to carry.

Specifications

Model		VRI-1
Displacement speed m^3/h (L/s)	50Hz	1.0(0.3)
	60Hz	1.0(0.3)
Ultimate partial pressure gas ballast close (Pa)		1×10^{-1}
Ultimate total pressure gas ballast close (Pa)		2
Ultimate total pressure gas ballast open (Pa)		/
Power supply		Single Phase
Power rating (kW)		0.15
Intake and exhaust DN (mm)		Adapter
Oil capacity (L)		0.12
Motor speed (rpm)	50Hz	2500
	60Hz	2500
Ambient temperature (°C)		10 - 40
Noise level (dB)		≤62
Weight (Kg)		4

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VRI-2/4/8

More reliable and high ultimate vacuum

- Forced oil cycling system makes high reliability of the pump.
- Equipped with anti-suckback solenoid valve.
- Convenient to manage the oil level by big sight glass design.
- Integrated cylinder structure ensures high ultimate vacuum.

Specifications

Model		VRI-2	VRI-4	VRI-8
Displacement speed m^3/h (L/s)	50Hz	2(0.6)	4(1.1)	8(2.2)
	60Hz	2.4(0.7)	4.8(1.3)	9.6(2.7)
Ultimate partial pressure gas ballast close (Pa)		1×10^{-1}	1×10^{-1}	1×10^{-1}
Ultimate total pressure gas ballast close (Pa)		2	2	2
Ultimate total pressure gas ballast open (Pa)		10	10	10
Power supply		Single Phase	Single Phase	Single Phase
Power rating (kW)		0.25	0.37	0.55
Intake and exhaust DN (mm)		KF16/Adapter	KF16/Adapter	KF16/25/Adapter
Oil capacity (L)		0.2	0.3	0.5
Motor speed (rpm)	50Hz	1440	1440	1440
	60Hz	1720	1720	1720
Ambient temperature (°C)		10 - 40	10 - 40	10 - 40
Noise level (dB)		≤62	≤62	≤65
Weight (Kg)		9	11	17

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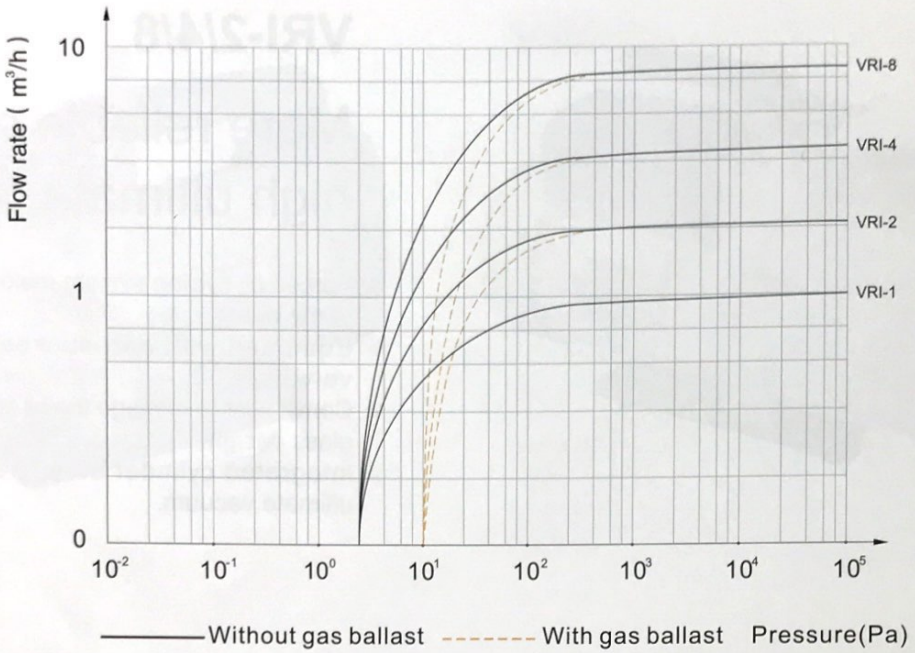
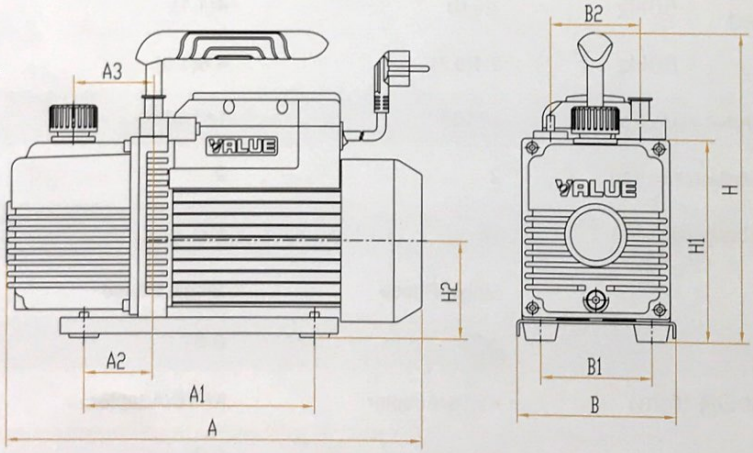
Flow Rate Characteristic



Dimension



VRI Dimensions

Model	A	A1	A2	A3	B	B1	B2	H	H1	H2
VRI-1	240	111	25.5	50	88	53	/	155	119	65
VRI-2	318	176	52	61	124	84	68	234	154	76
VRI-4	337	176	52	61	138	84	74	244	166	78
VRI-8	395	214	78	85	145	99	74	257	178	86

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