



2-stage pump with solenoid valve

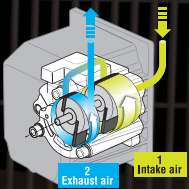
Vacuum Pump Eco Series



High precision 2-stage pump & built-in forced lubrication pump

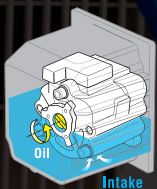
- Higher vacuum.
- Improved oil film performance for longer service life!

2-stage



Two rotary pumps are placed in series to get larger compression ratio for lower pressure (higher vacuum).

Forced lubrication



Built-in forced lubrication pump prevents vacuum pump from damage due to insufficient oil volume.

Equipped with a 4 pole high torque motor

- Ultrahigh performance vacuum pump which can start and run stably even in wintertime or at low voltage by two condensers for starting and running. (6-8CFM)
- Equipped with a start capacitor for stable starting even in wintertime or at low voltage. (2-4CFM)

Ultimate vacuum 15 micron

- High vacuum achieved by high precision machining technology. (6-8CFM)

Built-in metal mesh filter

- Reduces oil-mist specific to oil rotary vacuum pumps.



2CFM Eco

~7HP
or so



4CFM Eco

~20HP
or so



6CFM Eco

~30HP
or so



8CFM Eco

~45HP
or so



Code No.	WV221	WV241	WV261	WV281
Exhaust rate	51L/min (50Hz)-57L/min (60Hz)	100L/min (50Hz)-113L/min (60Hz)	142L/min (50Hz)-170L/min (60Hz)	198L/min (50Hz)-226L/min (60Hz)
Ultimate vacuum	2.0Pa abs. (15 micron)	2.0Pa abs. (15 micron)	2.0Pa abs. (15 micron)	2.0Pa abs. (15 micron)
Pump speed	1,440min ⁻¹ (50Hz)-1,720min ⁻¹ (60Hz)	1,440min ⁻¹ (50Hz)-1,720min ⁻¹ (60Hz)	1,440min ⁻¹ (50Hz)-1,720min ⁻¹ (60Hz)	1,440min ⁻¹ (50Hz)-1,720min ⁻¹ (60Hz)
Motor	Voltage made to order-250W	Voltage made to order-375W	Voltage made to order-550W	Voltage made to order-550W
Weight	9.4kg	11.2kg	16.5kg	17kg
Oil capacity	260ml	390ml	580ml	460ml
Intake	1/4", 5/16" (male flare)	1/4", 3/8" (male flare)	1/4", 3/8" (male flare)	1/4", 3/8" (male flare)
Standard accessories	Vacuum pump oil 0.35L Adapter 1/4" female flare×M10 male flare	Vacuum pump oil 0.35L×2pcs Adapter 1/4" female flare×5/16" male flare Adapter 1/4" female flare×M10 male flare	Vacuum pump oil 0.35L×2pcs Adapter 1/4" female flare×5/16" male flare Adapter 1/4" female flare×M10 male flare	Vacuum pump oil 0.35L×2pcs Adapter 1/4" female flare×5/16" male flare Adapter 1/4" female flare×M10 male flare

※Exhaust rate and ultimate vacuum are according to our own survey.

PREMIUM VACUUM PUMP OIL

MADE IN JAPAN

Maximize performance of your vacuum pump



Better startability
even at low temp



Longer operation



Longer life



1L

CodeNo. **VP3210**

0.5L

CodeNo. **VP3205**

4L

CodeNo. **VP3240**

IMPORTANCE OF REPLACING VACUUM PUMP OIL

Replacing oil regularly and keeping oil clean prevent performance decrement and wear & corrosion of pump unit. Performance of vacuum pump lasts longer. Replacing oil after vacuuming while oil is hot can remove contamination together with oil as they are not deposited yet.

** Once Pump unit got worn or corroded, it never be recovered even though replacing oil.*

Let's replace vacuum pump oil !

Repairing and/or replacing complete pump unit costs a lot. Operating vacuum pump with these sample oil cannot withdraw maximum performance and cause serious damage. Before it gets damaged, replace vacuum oil regularly.

Sample of used oil



Muddy milky
white oil mixing
with moisture



Black oil terribly
contaminated by acid
and other substances



Terribly
contaminated oil by
acid and other
substances

Sample of pump unit

Replaced oil regularly



Never replaced oil

● Distributed by _____

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