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## ECO-2-A2L-e-M

### Item Number 4689437

The two-stage rechargeable battery vacuum pump ECO-2-A2L-e is perfect for use in hard-to-reach areas without a power connection. An integrated solenoid valve prevents the loss of the already generated vacuum in case of accidental shutdown.

Weighing only 3.2 kg and featuring compact dimensions, it is ideal for mobile use. The pump is compatible with all common refrigerants, including A2L. The vacuum pump is supplied without a battery but includes an adapter for an 18V battery from a renowned Japanese manufacturer of high-quality battery tools.

The robust aluminum housing and sturdy handle ensure durability and easy handling. The high pumping capacity shortens evacuation time, while the operation remains very quiet.

Equipped with a 1/4" SAE intake port, the pump is easy to use and maintain.

- Suitable for A2L refrigerants
- Integrated solenoid valve prevents vacuum loss during accidental shutdowns
- Performance: 57 l/min
- Supplied with an adapter for using an 18V battery from a renowned Japanese manufacturer of high-quality battery tools (battery not included)
- Includes vacuum pump oil
- Compact aluminium housing with a sturdy handle, dimensions: 225 × 105 × 195 mm
- Lightweight at only 3.2 kg

## Technical Data

<b>Material</b>	Steel   Plastics
<b>Colour</b>	green   black   grey



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<b>Standards</b>	CE EN 60204-1 EN 1012-2 EN 55014-1 EN 55014-2
<b>RoHS Conformity</b>	Yes
<b>Gas Connection</b>	1/4" SAE
<b>Operating Temperature Range</b>	-1 °C – 40 °C
<b>Storage Temperature Range</b>	-10 °C – 50 °C
<b>Flow Rate</b>	57 l/min
<b>End Vacuum</b>	15 micron
<b>Frequency</b>	50Hz/60Hz
<b>Protection Class</b>	III
<b>Ingression Protection</b>	IP20
<b>Oil Tank Volume</b>	160 ml
<b>Energy Consumption</b>	0.17 HP
<b>Scope of Supply</b>	Battery Adapter   Vacuum pump oil   Quick Guide
<b>Packaging</b>	Cardboard box
<b>Number of Stages</b>	2

## Accessories

4688291	REFVAC-RC	Wireless digital vacuum gauge connection 1/4"SAE male, Units: Micron, mbar, Pa, Torr, mTorr, psi and inHg
4663981	RL-VAC	Vacuum gauge set 1/4" SAE with ball valve for vacuum pumps
9882473	19800-SV	Vacuum gauge, ø 80 mm, 1/8" NPT with safety valve, recalibratable, scale: 1'000 - 0 mbar
9882474	19801	Vacuum gauge, ø 100 mm, 1/2" G with safety valve class: 1.0, adjustable, scale: 1'000 - 0 mbar, with marking pointer
9882476	19621	Absolute vacuum gauge, ø 100 mm, 1/2" G incl. adapter 1/4" SAE, class: 1.6, scale: 150 - 0 mbar, with overpressure protection
4688820	VCL-60-	Vacuum hose 1/4" SAE x 1/4" SAE, 60"/150cm



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1/4"SAEx1/4"SAE

4687412	HCL6-60-Y-N-1/4x1/4	Special suction and charging hose, yellow, 60"/150cm Inner diameter: 9.5mm (3/8"), connections: 2 x 1/4" SAE, without core depressor, with neoprene gaskets
4495340	DV-44	Vacuum pump oil, 250ml viscosity 46 mm <sup>2</sup> /s at 40 °C
4495366	DV-46	Vacuum pump oil, 1l viscosity 46 mm <sup>2</sup> /s at 40 °C
4495331	DV-48	Vacuum pump oil, 5l viscosity 46 mm <sup>2</sup> /s at 40 °C
4503376	P-17-S-0,25	Esteroil for vacuum pumps, 250ml viscosity 30.7 mm <sup>2</sup> /s at 40°C
4503384	P-17-S-1	Ester oil for vacuum pumps, 1l viscosity 30.7 mm <sup>2</sup> /s at 40°C

## Spare Parts

4689323	ECO-2-A2L-e-19-M	Rechargeable battery adapter
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