

EcoDrive QUICK START GUIDE

Dual-Stage, Oil-Sealed Rotary Vane Vacuum Pump

Models ED4 / ED8 / ED12 / ED16 / ED24 / ED30

NAVAC
Empowering you to work smarter

START-UP IN 6 STEPS

1. Place the pump on a flat, level surface in a clean, dry, well-ventilated area. Leave 4–6 in. of clearance around the pump for cooling airflow.
2. Remove the oil fill cap on top. Slowly pour in the NAVAC vacuum oil until the level sits between the MIN and MAX marks on the sight glass. Replace the fill cap.
3. Connect the inlet to your vacuum system. Make sure the line is clean, leak-tight, and the system is not pressurized. Leave the exhaust open or routed to your exhaust line.
4. Set the gas ballast to the closed setting for normal operation. Use the open position only when pumping condensable vapors (water, solvents).
5. Plug the pump into a properly grounded single-phase outlet matching the voltage on the nameplate.
6. Verify the exhaust port is unobstructed. Switch the pump ON. The pump will start immediately.
7. Let it warm up for ~15 minutes, then re-check the oil level through the sight glass. Top up if below the MIN line. Engage Eco Mode once your system has reached working vacuum to reduce noise and energy use.

AT A GLANCE

SPEC	EcoDrive
Power	115V, 1Φ, 60Hz
Inlet / Exhaust	KF25 / KF25
Oil	NAVAC NPO46 (ED4-ED12) NAVAC NPO68 (ED16-ED30)
Oil Capacity	1.0 – 2.2 L*
Ult. Vacuum	1.5×10^{-3} Torr
Ambient Temp	10 to 40 °C
Cooling	Air-cooled
Eco Mode	YES

⚠ Oil capacity by model: ED4/8/12 = 1.0 L;
ED16/24/30 = 2.2 L.

BEFORE YOU START — SAFETY

- NEVER connect the pump to a pressurized system. Verify the system is at or below atmospheric pressure.
- The pump and motor housing get HOT during operation — do not touch while running or immediately after shutdown.
- Use only on a properly grounded outlet. Do not run the pump with the inlet open to atmosphere for more than 3 minutes.
- Add oil before first start. Running dry will damage the vanes and void the warranty.

Need help?

NAVAC Technical Support: +1 877.MY.NAVAC Ext. 2 • techsupport@navacglobal.com • Full manual at navacvacuum.com
This Quick Start Guide is a summary. Always read the EcoDrive User Manual before installation, operation, or service.