

**Transformer
vacuum
equipment**

Powerful vacuum, perfect control, anywhere you need

Built only for vacuum

VACOIL is purpose-built for one job, generating and holding deep vacuum. From transformer drying to vacuum ovens, each unit reaches the deep vacuum the work needs and holds it stable through the cycle. The vacuum is the work, not a stage inside an oil loop, and the whole machine is built around it.

Built to outlast the asset

Black steel, fully welded, dual-coated and baked, built for years of hard vacuum duty. Heavy-duty components and a robust frame stand up to transport, the field, and the factory floor. The same Ekofluid build quality that goes into every machine in the range.

One range, every vacuum job

Three configurations, from a compact mobile unit to a large industrial system, scaled by vacuum capacity. The S, M, and L share the same two-stage vacuum, regulation, and automation, so the choice is about capacity, not capability. Whatever the transformer size, there is a matched unit ready to go to work.

Made for transformers

VACOIL is set up for transformer work, from vacuum drying during assembly to gas-free filling on site. It fits into manufacturing lines, test bays, and field campaigns, supporting every phase of a transformer's life with clean, stable vacuum. The same platform covers the factory and the field.

Two-stage vacuum

Primary and secondary stages working together to reach deep vacuum and hold it stable through the cycle. The two-stage system reaches the deep vacuum that drying, evacuation, and gas-free filling need, and holds it steady while the work is done. Deep vacuum, held to setpoint.

Remote and unattended

A drying or evacuation cycle can run for days without a person on site. The unit runs the cycle on its own and reports its state to ekofluid.cloud, so it is watched from anywhere and needs attention only when it asks for it. Long cycles run without tying up a crew.

Vacuum held to setpoint

The vacuum level is set and regulated automatically through the whole process. The PLC holds it where you want it, from rough-down to deep hold, with no manual adjustment as the cycle runs. The level you set is the level the unit keeps.

Connected as standard

An integrated modem and an on-board server push every reading to ekofluid.cloud. Your portal holds the full cycle history and the documentation. Log in and run the unit from any browser, anywhere, so a job is monitored without a trip to the site.

Runs and watches itself

Fully automatic vacuum cycle under PLC control, with a full SCADA and on-board analytics. Manual controls are there but PLC-guarded, so the wrong move is blocked before it happens. Alarms, sensors, and interlocks cover every condition the cycle can meet, attended or unattended.

Mounted for the site

Each frame sits on the ground, on forklift-friendly legs supplied as standard, or on an optional wheel base. Stationary in the workshop or mobile to the substation, all detachable. The unit goes to the transformer, in the factory or in the field, wherever the vacuum work is.



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**Precise, reliable
vacuum
performance across
transformer drying,
manufacturing, and
industrial processes,
anywhere in the
world.**

VACOIL S

Transformer vacuum equipment

The compact powerhouse of the line. It is the smallest unit and the easiest to move, built for transformer drying, chamber evacuation, and gas-free filling in tight spaces and remote locations. The same two-stage vacuum, regulation, and automation as the larger units, in a footprint that goes where they cannot. Lightweight and quick to deploy, it is the unit for field service teams and on-site work, and for drying and filling smaller transformers and components where space and access are limited.

Primary vacuum max.
200 m³/h

Secondary vacuum max.
750 m³/h

Ultimate primary vacuum
< 0,5 mbar

Ultimate secondary vacuum
< 0,01 mbar

Vacuum regulation
Yes

Full automation
Yes



VACOIL M

Transformer vacuum equipment

The versatile workhorse of the line. It balances vacuum capacity and portability for transformer manufacturers, test facilities, and service providers who treat a range of transformer sizes. Strong vacuum flow with the regulation and automation of the larger units, in a configuration that works stationary or mobile. The everyday unit for work that moves between factory and field, with enough capacity for demanding jobs and a footprint that stays mobile.

Primary vacuum max.
300 m³/h

Secondary vacuum max.
2 000 m³/h

Ultimate primary vacuum
< 0,5 mbar

Ultimate secondary vacuum
< 0,01 mbar

Vacuum regulation
Yes

Full automation
Yes



VACOIL L

Transformer vacuum equipment

The flagship of the line. It is the largest unit, built for high-volume vacuum work in demanding industrial environments, with the highest vacuum capacity in the range. Ideal for transformer factories, heavy-duty drying ovens, and large-scale field operations, with full regulation and automation throughout. Built for capacity and uptime, it is the unit for large transformers and the most demanding vacuum work, where vacuum performance and reliability are critical.

Primary vacuum max.

660 m³/h

Secondary vacuum max.

5 600 m³/h

Ultimate primary vacuum

< 0,5 mbar

Ultimate secondary vacuum

< 0,01 mbar

Vacuum regulation

Yes

Full automation

Yes



Proof, in numbers

Thirty years of building, installing, and supporting fluid processing systems, counted the only way that matters. The numbers below are not targets. They are the record.

30+
years

Three decades of vacuum and adsorption engineering, applied to transformer oil treatment and regeneration, and refined on every unit built since 1996.

70+
countries

Installations across six continents, with service crews and spare parts reaching transformers wherever they run.

500+
systems delivered

In daily operation with utilities, contractors, and service companies, treating the oil that keeps transformers in service.

99%
customer retention

Build quality, configuration, and lifetime support that keep customers across relationships measured in decades, not orders.

Built in-house, supported for life

Built in-house

Every unit is designed, built, wired, programmed, and tested in-house, from engineering and metalwork to final testing, then commissioned by the same engineers who built it. Black steel, fully welded, dual-coated and baked for durability. Nothing is subcontracted. Vertical integration is the reason every unit leaves the works to the same standard, and the reason build quality can be guaranteed rather than promised.

Smart inside, simple outside

Behind every unit is a full control platform built for real-world use. Operators get intuitive controls, real-time data, and automated vacuum regulation in a clean interface that makes a complex vacuum cycle easy to monitor and manage. The cycle can run unattended and report its state to ekofluid.cloud, so a long job is watched from anywhere.

Supported for the life of the machine

Service relationships that run thirty years, not warranty periods. Technical assistance, operator training, and spare parts come from the same people who designed and built the unit, so the answer is the right one the first time. From startup to lifetime support, the machine is backed by people who know vacuum work, and it is supported for as long as it works.

Expert in transformer oil

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