

AE865C

Insulating-oil treatment equipment



Water below 10 ppm at 230 litres per hour

AE865C

Portable mini oil degasifier

amperis

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Filtering, dehydration and degasification of insulating oil on a light cart.

Product overview



High-vacuum pump and filtering assembly

High vacuum on a light cart

The AE865C filters, dehydrates and degasifies insulating and dielectric fluids using high-vacuum technology, with a blank-off rating below 0.025 mbar. It processes 230 litres per hour at 60 Hz and is sized for the oil of pole-mounted transformers, bushings, conservators and individual barrels.

Verified performance

Processed oil leaves with less than 10 ppm of water (ASTM D-1533 / D-1744, Karl Fischer) and a total gas content below 0.25 % (ASTM D-831 / D-2945); the dielectric strength of new oil reaches at least 40 kV by ASTM D-877. A 3 µm filter retains solid particles and the 3 kW heater keeps the oil at processing temperature.

Main features

- Unattended operation, with connection for an optional vacuum controller.
- High-performance accelerator elements in the vacuum chamber.
- Cart with 250 mm pneumatic tires for easy movement.
- 3 m power cord and two 3 m rubber hoses with camlock couplings.
- Other supply voltages available on request.



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Applications and operation

Applications

- Oil processing in pole-mounted transformers.
- Bushings, conservators and other small oil volumes.
- Individual barrels of insulating or dielectric fluid.
- Periodic drying and degassing during maintenance.

Simple, supervised or not

Once connected, the unit runs unattended: the oil circulates through the heater, the vacuum chamber and the after-filter until the target values are reached. The optional vacuum controller automates the cycle, and the compact footprint keeps the cart usable in confined spaces beside the transformer.



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AE865C – TECHNICAL SPECIFICATIONS

Flow rate	230 l/h at 60 Hz
Final water content	Below 10 ppm (ASTM D-1533 / D-1744)
Final gas content	Below 0.25 % (ASTM D-831 / D-2945)
Dielectric strength	At least 40 kV with new oil (ASTM D-877)
Filtration	3 µm
Vacuum	Blank-off below 0.025 mbar (20 µm Hg)
Heater	3 kW
Supply voltage	230 V, 1-phase, 60 Hz; other voltages on request
Dimensions (H × W × D)	1170 × 585 × 585 mm
Weight	125 kg
Mobility	Cart with 250 mm pneumatic tires
Included	3 m power cord; two 3 m hoses with camlock couplings
Options	Vacuum controller



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