

DLF - LOW FREQUENCY DRYING AND CURING EQUIPMENT



TARGET

The DLF equipment is designed for a modern and fast drying and curing of the active parts with the technology of low frequency drying. It's suitable for distribution transformers in with power between **25** and **2500** kVA and with a range of voltage between 6 and 36 KV.

ADVANTAGES

The main advantages of Low Frequency heating, compared to conventional drying are:

- Reduction of the drying time between 30% to 50%.
- High drying efficiency, as the residual moisture can be less than 1%
- Reduction of the energetic costs of the drying and curing of the windings
- Automatic system, adapt automatically at the transformer characteristics. It's safe and will not release gases to the atmosphere.
- The treatment to the windings it's uniform, repetitive, stable and with a high quality standard.
- It gives a specific curing adequate to each transformer requirement.

Low moisture content in the insulation of transformers ensures an increase of the transformer lifetime, while the unit will also allow an increase of your productivity.

MAIN FEATURES

The purpose of the equipment is the drying and curing of the windings, applying a specific frequency and voltage, properly connected and short-circuited. This method allows drying and curing of the coils either just prior to the introduction of the transformer into the vacuum chamber or during the vacuum. The solution can apply, at different parameters, either in the case of using DDP insulation, curing the resin according to paper manufacturer specification or using normal paper thus reducing cellulose degrading.

MACHINE COMPOSITION

MAIN MACHINE :

- (a) Control cabinet
- (b) Automation system with CPU
- (c) Power electronic modules (inverter)
- (d) Safety systems
- (e) Connectors for power
- (f) Temperature controller connectors

ACCESSORIES :

- (1) Physical protections
- (2) Set of recommended spare parts
- (3) SCADA
- (4) Remote surveillance & support
- (5) Redundant safety system

TECHNICAL DATA

	From	Till
Working temperature (programmable)	80°C	150°C
Output voltage (according to design)	0V	800V
Output frequency	1Hz	200Hz

