

# Electrical distribution transformers



## General Construction

### Coils

They are the layered type, built with pure electrolytic copper, enameled wire, and copper sheets which are insulated with either standard type or quality Nomex paper.

### Magnetic core

The core is manufactured using M4 grade silicon-iron sheets which only allow low losses. They are the triple-stacked, column type, with the implementation STEP LAP type sheet cutting-strapping machines and automated state-of-the-art cutting.



### Tanks

The tanks are fabricated welded steel plates with semi-automatic machines. They are manufactured according to standard requirements, conservator, AT and BT insulators, and their no-load tap changer located on the lid. The interior finish is built with a layer of white epoxy that does not affect the cooling oil. A red oxide corrosion-proof layer is placed on the exterior tank surfaces, in addition to two coats of synthetic pearl-gray enamel as indicated by the standards.

### Insulating liquid

Transformers are filled with mineral oil, silicone or special oils, depending on the customer requirements.

### Testing

The laboratory is ISO 9001 quality standard-certified; equipped with instruments for routine testing and reception set by the standards.

## Technical Overview

Due to our constant technical evolution, our designs are subject to changes without notice. For more information contact the company technical department.