

Expandable

Description

In a classical transformer, the conservator is used to admit the variation of volume caused by the difference of temperature of the oil during the operation of the transformer.

In case the usage of a conservator is not sufficient, or impossible (then we speak of a hermetical transformer), we will replace the classic radiators with expandable models which will ensure the same function.

For example, we can find them:

- In highly cold environment, to replace the conservator
- In highly hot environment, added with the conservator
- In an environment with a limited space

Kinds of radiators

All our radiators can be dilatable, including galvanized one.

Example

Radiator from 1600 mm x 29 panels filled with mineral oil

Volume at 20°C: 164 liters

Variation in volume of oil: 7,5% V/100° C

Oil volume at -20°C: $7,5/100 \times 40/100 \times 164 = - 4,92$ liters

Oil volume at + 90°C: $7,5/100 \times 70/100 \times 164 = +8,61$ liters

Variation of volume in function of the pressure in the lower header pipe

