



# Nu-Cork

ISO | 9001 : 2015  
14001 : 2015  
45001 : 2018

30+ Countries | 30+ Years Experience | 500+ Customers

## Trusted Name In Sealing

-60°C To +260°C



# AIRCELL

ONE-STOP BRAND FOR ALL TRANSFORMER SEALING & ALLIED PRODUCTS



**Flexible air separator (Aircell) is provided inside the conservator of transformers for avoiding direct contact of air with the transformer oil.**

Air Cell provides a permanent, flexible and non-porous barrier between the atmosphere and the transformer oil without affecting the operational function of the system.

The basic construction of the separator is a highly resistant fabric, coated externally to resist oil reaction and internally it is Ozone and weather resistant.

The bag is vented to the transformer through flange installation and inflates or deflates to compensate for oil volume displacements caused by temperature changes in the transformer.

Rubber compounds are made to minimize separator deterioration and resist air leakage through membranes, hence lowering the amount of air in transformer oil. Over time, this air/gas can degrade the dielectric strength of the insulation system, accelerating its ageing.



## ADVANTAGES OF AIRCELL

- Avoids contact between air and oil and consequently of condensation or oxidation inside the transformer.
- Protection against water vapour and gases.
- Suppression of any gas bubble formation in oil.
- Compensation of large volume changes.
- Filling the transformer tank with oil is possible without exposing it to air.
- Since insulating oil is isolated from the atmosphere via an air cell, no oxygen or moisture can penetrate the oil.



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