

Liquid Insulated Electrical Transformer

TRANSFORMER BUSHINGS

Used to connect the transformer windings to the external electrical circuit. Usually bushings are manufactured from porcelain.

BUCHHOLZ RELAY

Alarms and trips depending upon the type of fault and also if the insulating liquid level becomes low.

CONSERVATOR TANK

Allows the insulating liquid to expand and contract as the transformer temperature and load varies.

THERMOMETER

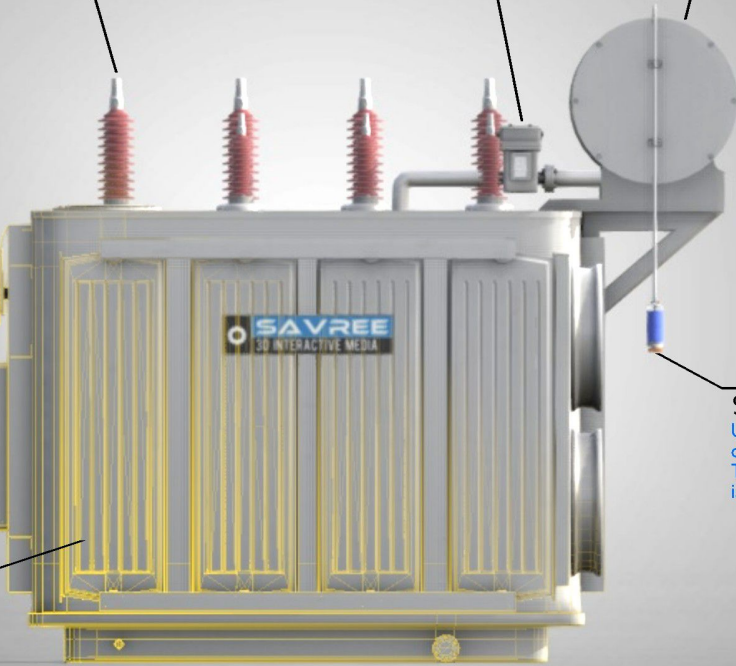
Used for measuring the transformer insulating liquid temperature.

CONTROL BOX

Houses wiring diagrams and some of the transformer control circuitry. Also used to house tap changer tap indicator.

RADIATORS

Used for cooling of the transformer insulating liquid.



SILICA GEL BREATHER

Used for drying of the air as it is drawn into the conservator tank. The oil cup at the base of the unit is used to filter foreign particles.

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HV BUSHINGS

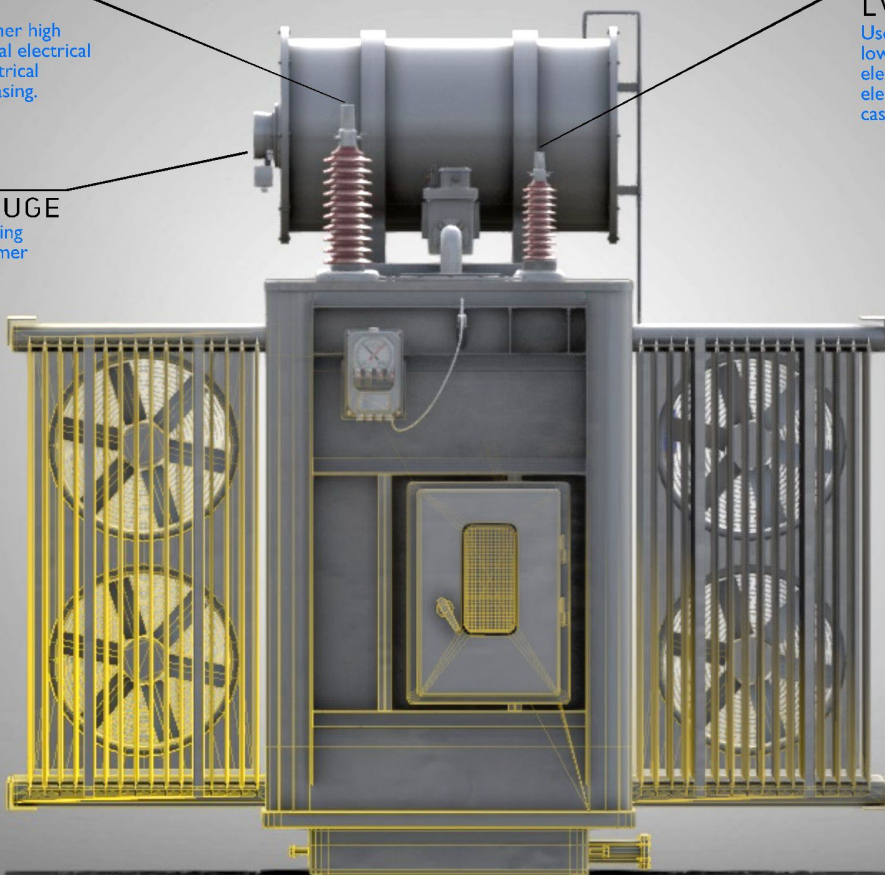
Used to connect the transformer high voltage windings to the external electrical circuit without raising the electrical potential of the transformer casing.

MAGNETIC OIL GAUGE

Used for measuring the insulating liquid level within the transformer conservator tank.

LV BUSHINGS

Used to connect the transformer low voltage windings to the external electrical circuit without raising the electrical potential of the transformer casing.



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