ISO 9001 : 2000 COMPANY

KVA PROCESS TRANSFORMERS PVT. LTD.

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Dry-Type Transformers

Up to 5 MVA, 33KV class

Dry type transformers are class 'C' type insulated. The insulating materials used for these type of Transformers, having high dielectric strength and are capable to withstand high temperature. The temperature withstanding capacity is generally made to comply with IEC 76/IS 2026/IS 11171

Dry Type transformers are available in the following versions

Open execution type for installation in an existing panel or enclosure.

Well-Ventilated enclosure with lip cut louvers and baffles for indoor installation.

Non Ventilated enclosure for outdoor installation.

Dry Type Transformers have the following advantages

Use of non-biodegradable materials makes these suitable for strict environmental conditions.

No fire or explosion hazards because of use of non-flammable materials and absence of any liquid insulation.

Non-requirement of oil sump makes these ideally suitable for installation near load centers thus reducing cabling costs and improving voltage regulation.

Zero Maintenance

Drastically reduced maintenance and clear looks due to the absence of any insulating liquid.

A life cycle analysis would revel the cost - effectiveness of Dry Type Transformers in long run through it requires a higher initial cost.

Easy handling and access to active parts for inspection.

Dry-Type Transformers

Up to 5 MVA, 33KV class

Dry type Transformers are ideally suitable for installations in

Underground gassy mines.

Petrochemical refineries

Multistoried buildings.

Business Blocks & Supermarkets.

Congested Metropolitan urban areas.

Underground Railways.

Airports.

Range

Present product range includes transformers up to 3000 KVA, 11KV / 33KV class.

Electrical Components

The coils and all current- carrying parts - are vacuum impregnated with silica-varnish or resin casted under vacuum in a controlled environment preventing contamination by ambient outdoor air, industrial environments, salt spray and other.

Testing

The coils and later the core and coil assembly are tested before proceeding to the next stage. All routine tests are performed on all completed as per IS/2026.