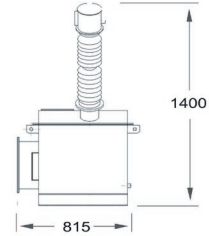
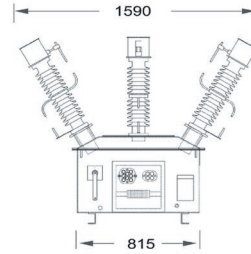
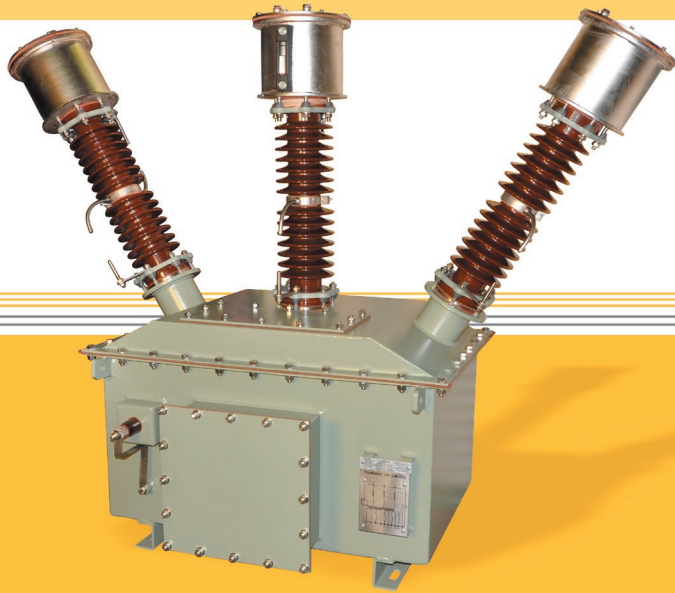




Transmag (UK) Limited

Trident 36KV Outdoor Onan Voltage Transformers

Transmag (UK) Ltd



Introduction

This design of Voltage Transformer has been recently introduced to replace our larger bulk oil unit which has been in use for many years and has given satisfactory service in all types of climatic conditions.

Standards

The units comply with all the relevant clauses of BS 60044-2 and IEC publication 186, enabling the same transformer to be used for metering, instrumentation and protection systems as well as customer specific requirements. Full type test certification is available and routine tests are carried out on each unit and test certification can be supplied.

Construction

These 3 phase units are suitable for a highest system voltage of 36KV. The increased permeability of the high grade Silicon steel used for the cores contributes towards the reduced dimensions and weight.

Cylindrical concentric windings are used and assembled with the low voltage coil nearest the core. One or two windings per limb can be provided. The HV coils are of robust construction and are designed to withstand the relevant impulse and induced voltage tests. This unit is ROHS compliant.

The close fitting steel tank and cover are of a welded and bolted construction. The unit is hermetically sealed which prevents the possibility of any oil oxidation or ingress of moisture taking place. The gaskets used throughout are of Cork-Neoprene, which is highly resistant to deterioration. The whole unit is highly compact and requires a minimum amount of oil.

HV fuses are incorporated within the HV bushings through the conservator assembly.

The LV fuses and links, together with the secondary terminal block, can be housed in a box welded to the side of the tank or alternatively in a separate fuse box, for mounting at ground level on the structure pole.

In order to ensure a high quality product, giving customer satisfaction in service, the units undergo a strict processing cycle, to remove moisture and air, and then they are filled with filtered and de-gasified oil to BS 148, ensuring the exclusion of air from the unit.

Dielectric tests then reveal a low discharge (below 10 pc) which means that no deterioration of the insulation occurs due to internal ionisation, and ensures a prolonged service life for the unit

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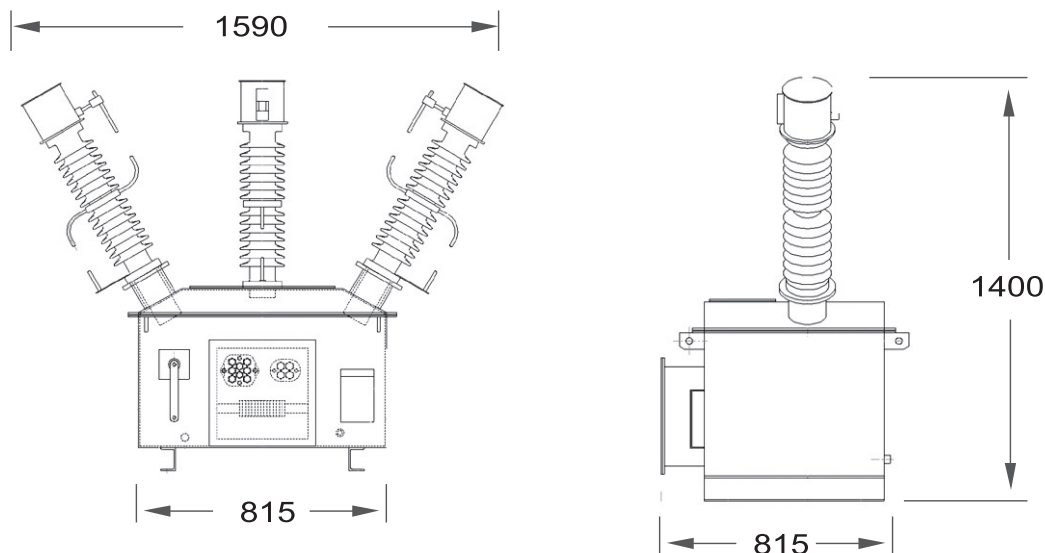
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For further information please visit our web site at: <http://www.transmaguk.co.uk>

Instrument Transformers Solution & Technology



Pole Mounted specifications



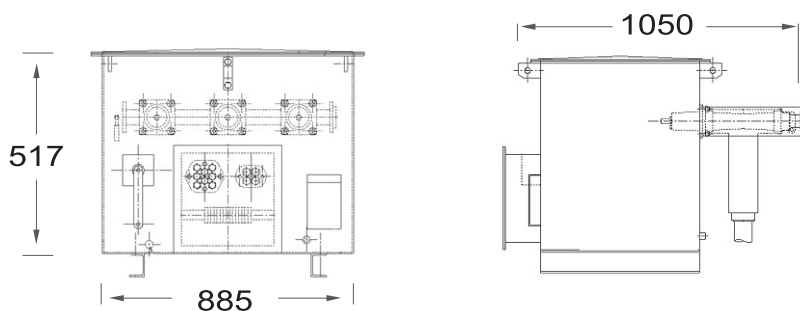
Associated Equipment

- 1 Separate "down-pole" secondary fuse / terminal box of stainless steel construction, housing all LV fuses, along with DIN rail mounted terminals & all interconnecting wiring.
- 2 Galvanised steel mounting structure, with plinth & channel mounting supports, suitable for securing to a concrete base, giving suitable 36kv air clearance up to approx. 2.2metres high!

Fittings

H.V. Brown Glazed Porcelain Bushings with Open Profile Sheds - Creepage 1200mm nominal, complete with Adjustable Double Gap Arcing Horns.
 | H.V. Primary Fuses - Type OBCNA. 3.15A, 1" Diameter | L.V. Terminal box | Rating & Diagram Plate
 Earthing Terminal | Prismatic Oil Level Change | Oil Drain Plug | Four Lifting Lugs | First Filling of Oil
 Pressure Relief Device (optional extra)

Ground Mounted specifications



Fittings

Also available as ground mounted unit, with option for lockable plug-on Euromold type epoxy bushing connectors – suitable for connection by Euromould series 700-T connectors to IEEE standard 386. & IEC.71. (T Connection not included). Also available is option for integral secondary fuse / terminal box if required.

Performance Specifications

Type	:-	ONAN / 5 Limb	Connections	:-	Star / Star / Open Delta
Ratio	:-	33,000 / 110 / 63.5V	Voltage Factor	:-	1.9 for 8 hours
Phases	:-	3	Rated Voltage	:-	36KV
Rated Output	:-	200 VA per phases, 100 VA tertiary	Withstand Voltage	:-	70KV for 1 minute
Accuracy Class	:-	1/3P	Lightening Impulse	:-	170KVp
Frequency	:-	50Hz	Standard	:-	BS EN 60044-2