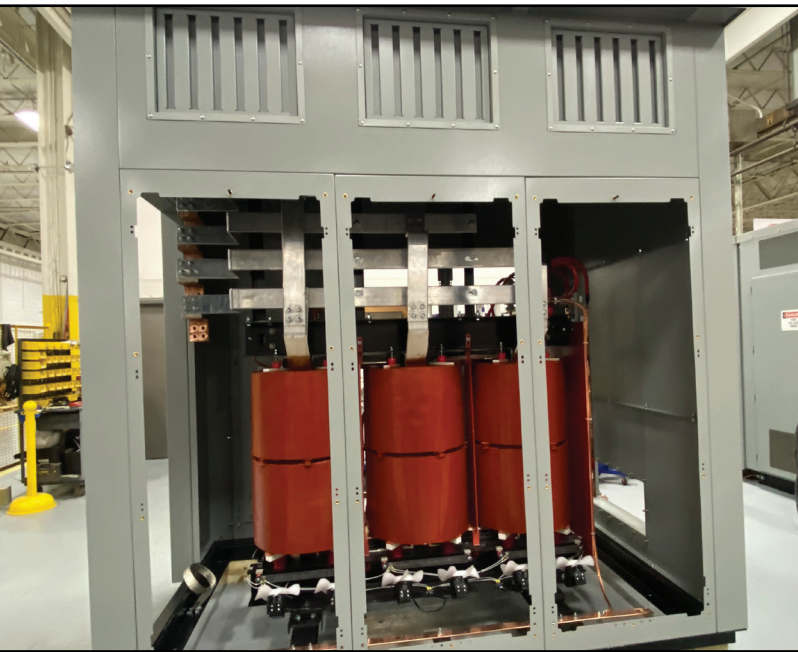




MAGNE-SEAL PREMIUM DUTY SEALED INSULATION SYSTEM

AQ Transformer Solutions (AQTS)'s exclusive Magne-Seal design provides the solution for premium-duty sealed transformer needs in heavy commercial and industrial applications. It combines the environmentally friendly, cost-effective, flexible design benefits of dry-type transformers and the protection capabilities of cast coil and liquid-filled transformers.



OUR PRODUCT

Magne-Seal begins in the coil winding process using special techniques to install materials that creates a seal at the bottom of each winding layer. Coils are then pre-baked to thoroughly dry them for the varnish processing. During the two-step vacuum pressure impregnation (VPI) process, each layer is sealed at the top and bottom. After baking the coils to cure the VPI process, a final high-build epoxy varnish finish is applied. The finished Magne-Seal product provides coils that are completely sealed against the environment. All Magne-Seal material - Nomex insulation, epoxy varnish, sealing materials - are fully rated for a 220°C insulation system.

AQ Transformer Solutions

823 Fairview Road, Wytheville, Virginia 24382 United States

Tel: +1 276 228 7943 Fax: +1 276 228 7953

Email: sales.transformersolutions@aqgroup.com Website: www.aqgroup.com



WE ARE RELIABLE



DESIGN ADVANTAGES:

- **Higher Overload Capability** - All the materials used in the Magne-Seal insulation system are fully rated for 220°C. Epoxy materials used in cast coil and other designs are rated for much lower temperatures. Magne-Seal is able to deliver 15-30% more overload capacity than designs that use epoxy materials.
- **Smaller Footprint** - The Magne-Seal processing system doesn't restrict the use of coil cooling ducts. This allows AQTs designers to provide an efficient convection cooling system that requires less floor space. Magne-Seal footprints are typically 10-20% smaller than cast coil footprints.
- **Flexibility** - Since Magne-Seal isn't cast in a mold, designs aren't restricted by mold sizes. AQTs designers have available a full range of coil geometries and winding configurations to provide electrical parameters and physical dimensions exactly as specified.
- **Cost Effective** - No molds, expensive casting equipment, or epoxy insulation are required. Magne-Seal provides a sealed coil transformer efficiently and effectively. An experienced AQTs sales staff is available to show you the cost advantages.

ENVIRONMENTAL ADVANTAGES:

- **No Fluid Containment Required** - Magne-Seal is a dry transformer and contains no fluids. It doesn't require expensive basins to contain potential spills and eliminates the concern of transformer fluids escaping containment barriers.
- **Fire Resistant** - Magne-Seal has successfully passed fire testing that verifies the materials used to construct it do not support combustion. No explosion barriers or blast containment are required.

AQ Transformer Solutions

823 Fairview Road, Wytheville, Virginia 24382 United States

Tel: +1 276 228 7943 Fax: +1 276 228 7953

Email: sales.transformersolutions@aqgroup.com Website: www.aqgroup.com



WE ARE RELIABLE