Prolec GE designs and manufactures a complete line of single-phase pole-type distribution transformers for installation on utility overhead systems. These highly reliable transformers are available in a wide variety of ratings and accessory combinations.

We utilize state-of-the-art technology in our design and manufacturing systems, supported by our ISO-9001 certified processes and quality assurance programs, to provide you with reliable and cost-effective transformer products matched to your system requirements.

Product scope / Standard features

- **Rating**
  - 10, 15, 25, 37.5, 50, 75, 100, 167 kVA
- **High Voltage**
  - 4160 GrdY/2400 to 34500 GrdY/19920 or 2400 to 19920 (Dual voltages available)
  - BIL: 60 kV to 150 kV
- **Low Voltage**
  - 240/120 and 480/240
- **Meets or exceeds current RUS, NEMA and ANSI Standards C57.12.00, ANSI C57.12.20 as applicable**
- **Mild steel tank with welded lifting lugs and hanger brackets for direct-to-pole mounting**
- **Single piece clamped cover band meets cover retention requirements of applicable ANSI standards**
- **Electrostatically applied polyester powder paint system for superior corrosion protection**
- **High-voltage porcelain cover-mounted bushings (wall mounted for units with high voltage 4160 or below)**
- **Tank wall mounted porcelain or polymer low-voltage bushings**
- **Tin-plated bronze terminals for connection to copper or aluminum**
- **Low-voltage ground provisions**
- **Tank ground provision**
- **Insulated cover for wildlife protection**
- **Laser engraved aluminum nameplate**
- **Non-PCB insulating oil**
- **KVA rating on tank wall**
- **Arrester mounting nuts welded to tank (single bushing designs)**
- **One HV bushing with tank ground strap for grounded wye applications or two HV bushings for wye applications**
- **Recessed tank bottom**
- **Broad selection of design efficiencies to meet specific customer applications and new DOE minimum requirements**

Optional features

- **Automatic pressure relief valve**
- **High-voltage taps with external tank mounted no load tap changer**
- **Dual high-voltage ratings (not available with taps)**
- **Connectors for grounding**
- **Stencils and labels according to customer requirements**
- **External tank mounted high-voltage lightning arrester**
- **Low-voltage circuit breaker with reset (and optional overload signal light)**
- **Internal high-voltage expulsion fuse**
- **Under oil arrester**
- **External low-voltage surge arrester**
- **Interlaced secondary windings (through 50 kVA ratings)**
- **RUS compliant 1 bushing designs with double hanger bracket configuration (through 50 kVA)**
- **Stainless steel tank, cover, clamping band**
- **Extra creep options for high-voltage bushings**
- **Variety of features available for wildlife protection**
- **Magnex™**

Tests

All transformers are tested in strict accordance with the latest revision of applicable ANSI™, IEEE™, NEMA, and RUS with test reports available by serial number of the transformer.

Routine tests are:

- **Leak test**
- **Polarity and phase relation**
- **Resistance**
- **No-load losses and excitation current**
- **Load losses and impedance**
- **Applied voltage**
- **Induced voltage**
- **Full wave impulse**
- **Ratio test**
Porcelain high-voltage bushings (expulsion fuse internally mounted in self-protected unit)

Cover band

Lifting lugs

Low-voltage bushings

Copper ground strap

High-voltage lightning arrester*

Oil fill plug

Welded hanger brackets

De-energized operation tap changer

Nameplate

* Accessories for self-protected units

Popular configurations

Double hanger bracket one high-voltage bushing conventional unit.

Single hanger bracket two high-voltage bushings conventional unit.

Single hanger bracket one high-voltage bushing self protected unit.

For more information contact your local GE Sales Representative or visit our website at www.prolecge.com
Phone: Toll free 1 800-437-7653 (US & Canada) / +52 (81) 8030-2341 (Mexico) / Fax: +52 (81) 8030-2323 or 2325