Prolec GE offers a complete line of liquidfilled distribution transformers that meet current applicable ANSI® / IEEE® standards.

With high voltages up to 34.5kV and ratings up to 15 MVA (ONAN), Prolec GE primary and secondary substation transformers are used in a wide range of utility, commercial and industrial applications. High-grade materials, combined with state of the art technology in our design and manufacturing systems, are key elements of a transformer that will deliver years of high reliability service.

Prolec GE Primary and Secondary Substation Transformers meet all of your industrial applications for electric distribution.

Standard Features

- Insulating mineral oil.
- 60 Hertz operation.
- Externally operated de-energized tap changer with (2) 2.5% full capacity taps above and below nominal.
- 65°C average winding rise.
- Side-mounted bushings.
- HV and LV flange connections.
- Pressure-vacuum gauge.
- Top filter press valve provision.
- Liquid level gauge.
- Liquid temperature gauge.
- Pressure test valve.
- ANSI grounding pad.
- Drain / filter valve with sampling device.
- Tank lifting lugs.
- Corrosion resistant nameplate.
- ANSI 61 paint finish, 5 mils thickness.
- ANSI 70 paint finish, 5 mils thickness.
- Hydran provision (above 7.5 MVA).

Optional Features & Accessories

- High-fire point fluid, such as silicone, hydrocarbon or vegetable fluids. (up to 10 MVA)
- 55 °C 55/65°C average winding rise.
- Forced air cooling
- Forced air cooling with 2 stages (from 7.5 MVA and up to 15 MVA)
- Future fan wiring and control.
- Removable radiators.
- Pressure relief device.
- Winding temperature device.
- Sudden pressure relay with or without seal in.
- Devices with alarm contacts.
- Top filter press valve.
- HV & LV air terminal compartments.
- HV lightning arresters in ATC.
- Current transformers
- Neutral grounding resistor.
- Special impedances.
- Low losses.
- Special environment (i.e: classified areas).
- Special / low sound level.
- 50 Hertz.
- Seismic zone III and IV.
- IBC/CBC certified product line up to 5 MVA
- Retrofit to specific dimensions.
- Non-standard loading conditions such as harmonic loading or specified K-factor.
- Stainless steel removable radiators.
- Galvanized steel removable radiators.
- Special paint for marine ambient.
- Special paint thickness.
- Special colors.
- CSA compliance.
- Other special features upon request.

Tests

Each transformer receives all standard commercial tests in accordance with ANSI C57.12.90 (latest revision), with test reports available by serial number of the transformer.

Routine tests include:

- Resistance tests of all windings.
- Ratio tests on the rated voltage and all tap connections.
- Polarity and phase relation tests at rated voltage.
- No load loss at rated voltage.
- Exciting current at rated voltage.
- Impedance and load losses.
- Applied voltage test.
- Induced voltage test.
- Full wave impulse test.

ANSI is a registered trademark of American National Standards Institute, Incorporated.

IEEE is a registered trademark of the Institute of Electrical Electronics Engineers, Inc.
### Overall Typical Dimensions for Reference

**Oil Filled; 65°C Rise; BIL 95 kV**

<table>
<thead>
<tr>
<th>kVA</th>
<th>Height</th>
<th>Flange - Flange</th>
<th>Depth</th>
<th>Total Weight (Lb)</th>
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<tbody>
<tr>
<td>750</td>
<td>90</td>
<td>50</td>
<td>60</td>
<td>6,400</td>
</tr>
<tr>
<td>1000</td>
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<td>3000</td>
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<tr>
<td>3750</td>
<td>105</td>
<td>70</td>
<td>90</td>
<td>18,200</td>
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<tr>
<td>5000</td>
<td>105</td>
<td>80</td>
<td>95</td>
<td>22,000</td>
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<td>130</td>
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**High Fire Point Fluid; 65°C; BIL 95 kV**

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<th>Height</th>
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<th>Depth</th>
<th>Total Weight (Lb)</th>
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<tbody>
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<td>55</td>
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<td>35,700</td>
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</tbody>
</table>

For kVAs not listed, contact factory. Dimensions and weights are approximate and subject to change without notice and should not be used for construction purposes.