

Safe-NET® Network Transformer

Prolec GE Safe-NET® Network Transformers are the safest transformers available in the industry for secondary network and spot network applications where safety, reliability, service continuity and minimum maintenance are the key objectives.

An industry leader in quality, Prolec GE addresses the challenge of high-fault energy driven tank events and the limitations with traditional network transformer designs.

FEATURES

- **Rating:** 300 - 2,500 kVA, 3 Phase
- **Insulating Fluid:** Mineral oil or natural ester
- **Superior Coil Design:** High short circuit strength and insulation system designed for increased loading capacity.
- **Mechanical Strength:** Rugged clamping and safe lifting provisions.
- Tested and certified to the highest North American standard for ground-level seismic levels.
- Superior zinc epoxy primer and black epoxy top coat paint with 10,000 hour salt-spray certification.
- **Patented Tank Technology:** Safe-NET® tank design is capable of withstanding in excess of 11 mega joules of energy, exceeding the pressure requirements laid out in the IEEE® C57.12.40 standard.



APPLICATIONS

- Underground metropolitan vault applications
- Government, commercial, institutional and industrial facilities
- Office towers, skyscrapers
- Vault applications with occasional/continuous submersion

TYPICAL RATINGS

The range of ratings below are representative of ratings which Prolec GE can provide, but are not the limit of our capabilities.

Power (kVA)	Primary Voltage (V)	Secondary Voltage (V)
300	2,400 - 34,500	216 Y/125 - 480 Y/277
500	4,160 Y/2,400 - 34,500 Y/19,920	
600*		
750		
1000	4,160 - 34,500	480 Y/277 - 4,330 Y/2,500
1500	4,160 Y/2,400 - 34,500 Y/19,920	
2000	12,000 - 34,500	
2500	12,470 Y/7,200 - 34,500 Y/19,920	



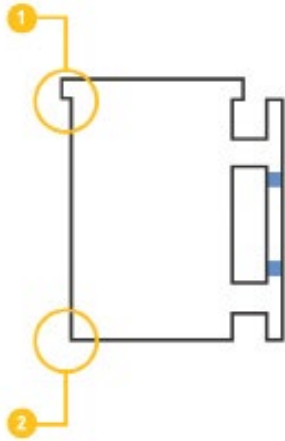
Exclusive transformer tank design and patented tank technology.

* Prolec GE can custom design kVA ratings to maximize the kVA cubic inches in your vault, such as 600 kVA.

SAFE-NET® CONTROLLED HIGH ENERGY TANK DESIGN SEQUENCE

Initial State

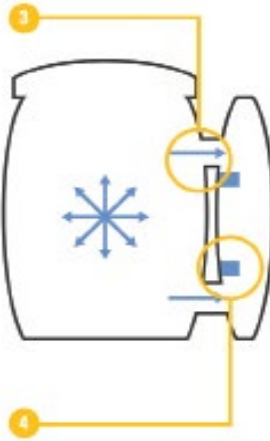
Increase tank rupture pressure by cover improvement



Increase bottom rupture capability

Up to 11 MJ of Pressure Relief

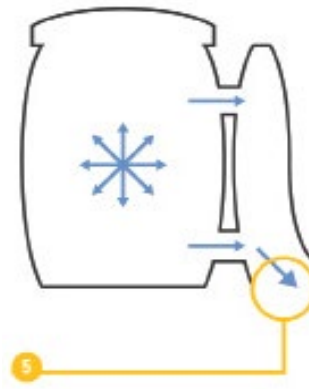
Pressure relief through header pipe into radiator



Radiator Spacer Failure allows "pillowing", creating large expansion volume

Over 11 MJ of Pressure Relief

of Pressure Relief



Radiator designed to fail at bottom or side serving as a directional blowout port

To continually improve its products and services, Prolec GE USA LLC, reserves the right to change specifications and features without notice. Please contact us for certified dimensions and drawings.

transformers | services | components | innovation

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LOCATION

7000 W. Bert Kouns Industrial Loop
Shreveport, LA 71129
1 (318) 687-6600

prolec.energy/prolecge
info@prolec.energy

