

VICTORY ENERGY[®]
Full Steam Ahead!



HTHW / HTTF GENERATOR

HIGH TEMP HOT WATER / HIGH TEMP THERMAL FLUID



SUSTAINABLE SOLUTIONS FOR THE LONG RUN

At Victory Energy, we believe that the future of all energy must be based upon carbon reduction. Our goal is to deliver cleaner energy solutions which truly impact the environment for today and future generations.

The GENESIS series thermal fluid generators are designed to deliver lower carbon intensity through responsible innovation that benefits our world.

INDUSTRIAL-DUTY DESIGN

GENESIS High Temperature Thermal Fluid Generators offer significant technological advances over legacy units in the market. Our robust design features a complete membrane wall furnace that provides gas tight construction and maximum structural integrity while minimizing refractory. It eliminates obsolete tangent tube wall technology which requires manually adjustable orifices to properly distribute flow. The unit has the ability to handle high differential temperatures and eliminates hot spots in the generator by controlling flow evenly through the tubes.

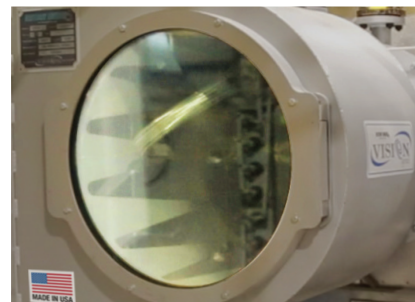


GENESIS units come equipped with Victory Energy VISION[®] Burners that are low NOx and extremely fuel efficient.

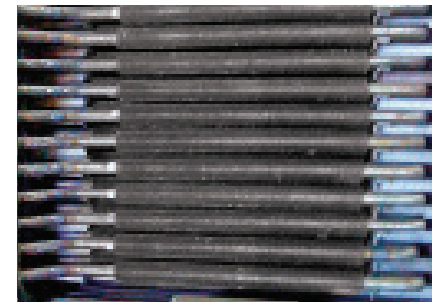


CAPACITIES / FEATURES

- Output range - 5 MMbtu/hr to 200 MMbtu/hr
- Membrane wall design
- Low NOx burner
- Over size entry doors allow easy access
- Custom designs with flexibility to fit existing footprints
- Can be modularized for field assembly



Large VISION burner access door / view-port provides excellent flame core inspection.



Finned tube convection section custom engineered to improve heat transfer efficiency.

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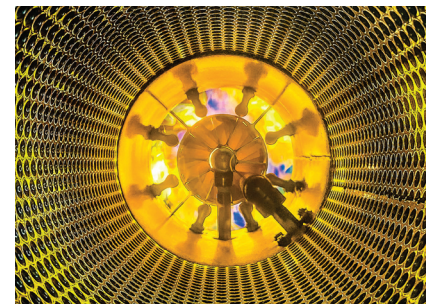
A PROVEN CHOICE, FOR EXTREME-DUTY APPLICATIONS

- Each unit is custom engineered for maximum thermal efficiency
- Integration of extended surface finning in the convection section for high heat transfer efficiency in a compact space
- Opposed corner headers and equal length tubes for even flow distribution
- Inherent capability to turndown water flow through the unit



MAXIMIZE EFFICIENCIES WITH VISION

- The VISION[®] Burner technology ensures complete and efficient combustion with very low emissions; can achieve < 9 ppm NO_x with low FGR rates and without SCR systems
- High reliability and low maintenance
- Efficient operation firing multiple gas & liquid fuels
- Totally integrated combustion controls capabilities, both for new and retrofit applications



AFTERMARKET SERVICES



Victory Energy offers a complete suite of support services that are designed to fully protect your operation. Our technical expertise ensures that your investment keeps working throughout the plant's life-cycle.

- Dedicated Field Services, Studies and Flow Modeling
- Engineering, Inspections, Lab Services and Training
- Retrofits / Replacement - OEM Spare Parts

