



# LM2500 GAS/LIQUID TO DUAL FUEL CONVERSION

## Product Description

For adding gas fuel capabilities:

- A dual fuel manifold with water injection consisting of two liquid fuel manifolds, a gas manifold, and 30 dual fuel nozzles.
- Gas fuel compressor (off-package).
- Coalescer/Dehumidifier and/or a filter/scrubber skid (off-package).
- A fuel-metering valve.
- Gas shutoff valves, check valves, and vents.

For adding liquid fuel capabilities:

- A liquid fuel forwarding skid with a 2" pipe customer connection at 5 psi Flooded Suction.
- Fuel filtered to 10 µm absolute.
- 2 liquid fuel manifolds, hoses, and fuel nozzles will be added on-engine.
- Simplex liquid fuel boost skid (off-package).
- A duplex low pressure filter skid (off-package).
- Fuel metering valves.
- Liquid fuel shutoff valves, check valves, and return fuel lines.

Both liquid and gas fuel conversions involve installing connections to customer fuel connections (flanged outside main base) and changing the fuel manifolds.

Core software logic and HMI changes may also be needed.

## Customer Value

- Easily switching between fuels allows increased site power generation flexibility.
- Maximize profitability by switching to a cheaper fuel depending on market conditions.

Applicable Units		
LM6000	LM2500*	✓
LMS100	LM5000	
LM1600	TM2500	

\* For LM 2500 and LM2500+ units

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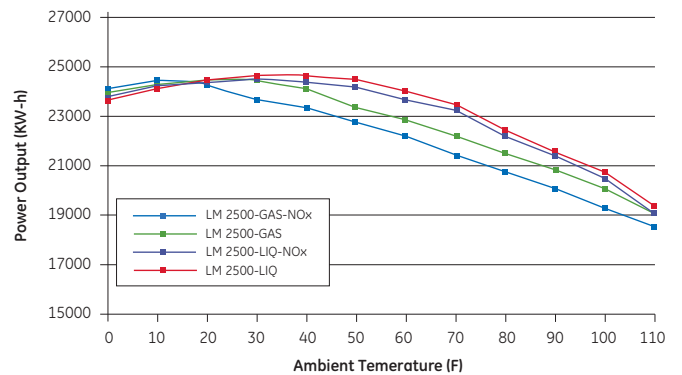
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- Increased power output using the water injection capabilities.
- Switching to gas fuels lowers NOx emissions.
- Gas fuels also have higher power outputs.
- Can use either Mark VI or higher or Woodward control systems.
- Increased efficiencies and power outputs as shown in the graph below.



Liquid Fuel Manifold Addition



Increased Power Output using the Water Injection System

GE Vernova's global service network provides life cycle support for more than 3,500 aeroderivative gas turbines worldwide to help you meet your business challenges and success metrics – anywhere and anytime. Our global service network connects with you locally for rapid response to your service needs.

**To learn more about this product and its applicability to your gas turbine, please contact your GE Vernova Gas Power sales representative.**