Water Injection / NOx Reduction System

Product Description

- NOx is a strictly controlled emission due to its harmful environmental impact.
- The installed water injection system will significantly lower exhaust NOx to 25 ppm (gas fuel) or 42 ppm (liquid fuel).
- Demineralized water is injected into the combustion chamber to regulate the flame temperature.
- Includes the installation of:
  - Water injection package piping and components.
  - Revised Sequencer / Fuel Core controls upgrade.
  - A simplex high pressure skid used for liquid fuels or a simplex low pressure skid is used for gas fuels.
  - A duplex dual option fuel skid is also available.
- Required water supply is 31 to 70 GPM (depending on engine and fuel type) of demineralized water (filtered to 20 microns).

Customer Value

- Significantly reduced NOx emission down to 25 or 42 ppm.
- Higher power output at lower load while maintaining lower NOx emissions.
- Reduced flame temperature.

Applicable Units:

<table>
<thead>
<tr>
<th>LM6000</th>
<th>LM2500</th>
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<tbody>
<tr>
<td>LM5100</td>
<td>LM5000</td>
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<tr>
<td>LM1600</td>
<td>TM2500</td>
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</tbody>
</table>

GE’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.

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