

# GTE1600i

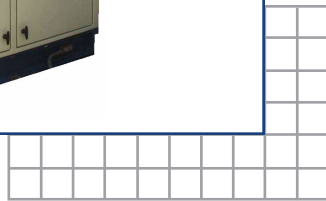
FOR LARGE GAS TURBINES 120 - 200 MW

## REQUIREMENTS

- > Supply water pressure...15 - 150 PSIG (1 - 10.5 bar)
- > Water temperature...Max 140° F (60° C)
- > Fluid...10 ppm demineralized or deionized water (required min)
- > Supply air pressure...80 - 150 PSIG @ 16 SCFM (5.5 - 10 bar)
- > Air requirements...Instrument quality air
- > Fluid (low viscosity, non-corrosive additive)...OEM recommended cleaning liquid

## EQUIPMENT

- > Chassis...RAL 5019, ASTM A36 carbon steel
  - Optional:
    - Enclosure: RAL 7035, ASTM A36 carbon steel
    - Feature: 304 L stainless steel chassis and enclosure
    - Feature: 500 W enclosure heater
- > Power supply...3 phase 480 V - 60 Hz, 70 A disconnect/ 2
  - Optional:
    - 3 phase 480 V - 60 Hz, 150 A disconnect/ 4
    - 3 phase 480 V - 60 Hz, 225 A disconnect/ 6
- > Tank heater elements...18 kW/ea, 2 standard
  - Optional:
    - 18 kW/ea, 4 elements total
    - 18 kW/ea, 6 elements total
- > Effective volume of tank:
  - (water)...423 gal (1600 L) ANSI 304L stainless steel
- > Water pump...Stainless steel piston style pump
- > Water working pressure range...600 - 1200 psi (40 - 80 bar)
- > Water max pump flow range...25 - 42 USgpm (95 - 159 L/min)
- > Water electric motor...25 hp (18.5 kW)
  - Optional:
    - Tropical protection
- > Additive working pressure...600 - 1200 psi (40 - 80 bar)
- > Additive pump...Stainless steel piston style pump
- > Additive pump flow range...5 - 8.5 USgpm (18.9 - 45 L/min)
- > Additive electric motor...7.5 hp (5.5 kW)
  - Optional:
    - VFD controlled additive injection
    - Tropical protection
- > Effective volume of tank:
  - (additive)...84 gal (318 L) ANSI 304 L stainless steel
- > Filter (discharge)...25 microns
- > Conductivity meter...Supply water probe
  - Optional:
    - On-crank discharge effluent probe



## CONNECTIONS

- > Supply water...1 ½ in 150 lb stainless steel RF flange
- > Additive...Manual additive filler cap and ¾ in NPT for hard mount
- > Drain ¾ in stainless steel tube connector
- > Pressure outlet...1 ½ in 600 lb stainless steel RF flange
  - Optional:
    - Second 1 ½ in 600 lb stainless steel RF flange
- > Air supply...½ in stainless steel tube connector
- > Power supply...2 in conduit connection
- > Communications...1 in conduit connection

## TECHNICAL DATA

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| <ul style="list-style-type: none"> <li>&gt; <b>Length</b><br/>76 in (1930 mm)</li> <li>&gt; <b>Width</b><br/>54.5 in (1384.3 mm)</li> <li>&gt; <b>Height</b><br/>91.7 in (2329.9 mm)</li> <li>&gt; <b>Dry Weight</b> (without options)<br/>3500 lb (1587 kg)</li> <li>&gt; <b>Ambient temperature range</b><br/>-13 - 120° F (6.5 - 49° C)</li> </ul> | <ul style="list-style-type: none"> <li>&gt; <b>Component enclosure rating</b><br/>UL Type 4 or NEMA 4<br/>Optional enclosure rating<br/>UL Type 4X or NEMA 4X</li> <li>&gt; <b>System operation range</b><br/>32 - 120° F (0 - 49° C)<br/>Optional purge cooler system<br/>extended operation 32 - 140° F (0 - 60° C)</li> <li>&gt; <b>System storage range dry</b><br/>-13 - 158° F (-25 - 70° C) with 5 - 95%<br/>without condensation relative humidity</li> </ul> |
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