

GTE400i WW

FOR LARGE GAS TURBINES 25 - 50 MW



- 400i-68 General Purpose / Semi-Automated Control
Local Pushbutton Control
- 400i-68 General Purpose / Fully-Automated Control
Automatic Valves (Inlet, Outlet and Drain)
DCS Hard Wire Interface for Start/Stop
- 400iEx-68 ATEX Zone 2 / Semi-Automated Control
Local Pushbutton Control
ATEX Zone 2 Certified
- 400i-100 Class I, Div.2 / ATEX Zone 2 / Fully-Automated Control
Color Operator Interface Panel (HMI)
Conductivity Meter
Pressure / Level Transmitters
Additive Pump System
DCS Hard wire interface for start/stop control
Optional 3rd Heater
Automatic Valves (Inlet, Outlet and Drain)
Class I, Division 2 / ATEX Zone 2 Certified

EQUIPMENT DESCRIPTION

The GTE400i Water Wash (WW) is designed for gas turbines that range from 25 through 50 MW in output for permanent installation applications. The system, depending on model, can fully integrate via hard wire into the OEM gas turbine control system for seamless online and offline (On Crank) compressor water wash operation. Operation of the online wash provides customers the optimal solution for compressor degradation recovery and extended offline wash intervals. Integrated with GTE's patented Nozzle Kit design ensures complete coverage of compressor blade cleaning.

EQUIPMENT MODELS

GTE offers four different models depending on customer requirements. All models shown include the following:

PLC Based Control System	Pressure & Temperature Gauges	Stainless Steel Construction
Water Tanks	Water Tank Heaters	Single Turbine Wash
Visual Tank Level Indication	Automatic Shutoff	Motor Space Heaters
Water Inlet Filter	Emergency Stop PB	Pressure Relief Valve
High Pressure Pump	3 Phase Power 50 Hz / 60 Hz	

Additional Options available include: Multiple Turbine Wash (up to 4) Additive Barrel Pump Operator Interface

Operating Specifications:

- Up to 900 PSIG pressure at Nozzles
- Up to 60 Degree Celsius / 140 Degree Fahrenheit Water Wash Temperature
- Online Wash Time Minimum 4 Minutes

The GTE200i WW System is designed to be implemented with GTE's Nozzle Kits and used on the following engines, among others;

Rolls Royce MT30 GE Frame 6B GE LM6000 GE Frame 5