



FGI™ 201 & 202

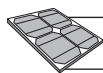
Flame-Gard™ Ignition System *for atmospheric industrial heaters*



Based on the successful FGI 100 platform, the FGI 201 & 202 are advanced Flame-Gard Ignition systems for atmospheric heaters. Gone are the days when an operator is required to light an industrial burner using the traditional 'flaming rag on a stick', with all its inherent safety concerns. Using the FGI 201 & 202 this procedure is performed safely, conveniently, and reliably. And if the pilot does blow out, the FGI will take the necessary actions to attempt re-ignition or safety shut down. There is no better time than now to incorporate these significant advantages into your atmospheric heater.

applications

- Treaters
- Line heater
- Glycol heaters
- Salt bath heaters
- Dehydrators
- Direct fired heaters
- Non-blower type furnaces
- Heated Tanks
- Incinerators
- Other natural draft heaters



Solar Packages available

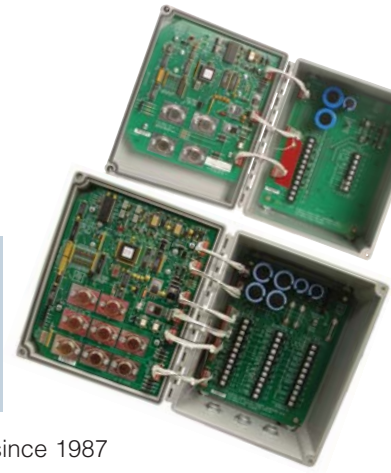
- 2 line-x 20 character VFD display - full text messages
- 'Soft start' - ignites main burner in stages
- Single burner applications (FGI 201), Dual burner applications (FGI 202)
- **Safety** - operator is located in a safe area during lighting; replaces 'flaming rag on a stick'
- **Economic** - minimal heater down-time; help prevent hydrate formation
- **Environmental** - reduction in emission of unburnt fuel gas
- **Compact Fiberglass Enclosures** - with switch pad on front panel
- **Controller CSA & NRTL/C Approved** - Class 1 Division 2 locations
- Push button for ESD shut-down



Nagy Burner Control is now **Titan Logix Corp.**,
with dealer sales and service offices throughout Western Canada



FGI 201 & 202 features



Using a DC Voltage Spark Generator with Spark Electrode, the FGI 201 & 202 supplies the ignition spark for the pilot. The pilot flame is then monitored with the type K thermocouple. When acceptable, the main burner gas is turned on. The FGI 201 & 202 then continuously monitors the pilot flame, takes action to stop the flow of fuel gas if the pilot flame fails, and brings the fuel gas on in an orderly manner when the system is commanded to restart (auto or manual operation). Flame failure trips local and remote alarm outputs.

FGI system features

- Vacuum fluorescent display for operating functions & signals
- Main burner “soft-start” (standard, jumper selectable)
- Input power +12 to +30 VDC, 9 or 18 VAC
- - 40 °C to +60 °C operating range
- CSA approved controller for Class I, Division 2
- Auto relight or manual operation
- Push button for ESD shut-down
- Flame-Fail contacts for Flame-Fail alarm
- Remote start/stop control
- Large, easily-accessible, terminal blocks
- Two stage adjustable trip-point settings with an atmospheric purge cycle
- All circuits are fail-safe c/w transient protection
- Supports continuous current or Skinner Magnelatch Solenoids (pulse-open, pulse-closed)
- Power-saving sleep mode (jumper selectable)

- Building high-quality systems since 1987
- Very low power consumption. Less than 1/8th of one watt when using Skinner Magnelatch Solenoids

FGI 201 features

- Single fire-tube operation

FGI 202 features

- Dual fire-tube operation



FGI 201 (202) kit includes: FGI 201 (202) controller, 1 (2) DC voltage spark generator, 1 (2) spark electrode, 1 (2) Type K thermocouple encased in 446 SS, 1 (2) pilot mounting bracket, 1 (2) thermocouple cable and 1 (2) ignition cable.

locations

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