

INOV8

economic alternative fuel options



multi-fuel burner with PLC control

This new series of gas-oil burners offers solutions to generators of petroleum based waste oil, new and used fryer oil, low BTU value oil even water-laden coolant oil. This is accomplished by using a gas assist to ignite and fully combust these difficult to burn fluids. The INOV8 Gas—Oil Burner can use as fuel “gas only”, “oil only” or the “combination at 50/50”. The burner incorporates a PLC control that can sense a loss of oil pressure and automatically revert the fuel to gas for back-up purposes and for complete reliability. Biofuels are well recognized for low carbon emissions—allowing users to do their part in protecting the environment.

INOV8

Multi-Fuel Burners

Uncompromised engineering specifically designed for the challenges of burning waste oils in a safe, clean and reliable manner. This new burner combines the superior quality of an Italian built gas burner with the patented features of the INOV8 design. Similar to the model S200 burner that INOV8 technology is based upon, the new G-series dual-fuel burners provide clean combustion, flexibility of fuels, low operating costs and unmatched safety.

The G-series dual-fuel burners allow the user to switch between fuels and automatically revert back to natural or propane gas should the used oil supply run out. The burners also provide all the safety features INOV8 customers have trusted for years, such as: 90 second pre-purge, 10 second trial for ignition, three-second fuel shutoff, seven electronic checks, UV sensor, main flame trial-for-ignition. This burner can be used on furnaces, boilers, hot water heaters and waste water evaporators providing a reliable fuel backup. Fuel options include:

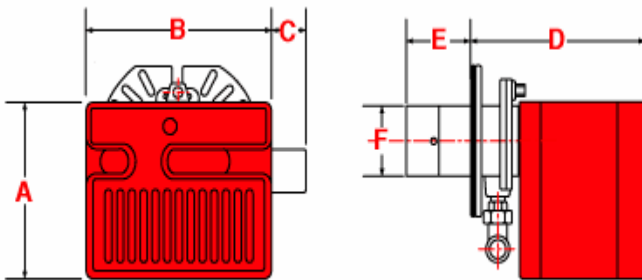
- Natural or propane gas
- #2 Fuel oil or any petroleum based used oil
- Vegetable or fryer used oil
- Burns gas or oil at the same time (half BTU rates of each fuel)
- Burns difficult bi-products such as water laden coolant oil or glycerin (when used in combination with gas)



Models G200, G400, G750, G900

Specifications

Dimensions in inches



| Model | A | B | C | D | E | F |
|-------------|---------|----------|-------|----------|-------|---------|
| G200 | 8 1/2 | 10 11/16 | 1 3/8 | 11 5/8 | 3 3/8 | 3 9/16 |
| G400 | 10 5/16 | 12 | 1 3/8 | 13 11/16 | 3 3/4 | 4 1/8 |
| G750 | 11 3/4 | 13 3/4 | N/A | 15 5/16 | 4 1/8 | 4 15/16 |
| G900 | 11 3/4 | 13 3/4 | 3 3/4 | 15 5/16 | 4 1/8 | 4 15/16 |

Additional Specifications:

- Manifold Gas Pressure: .71 to 3.0
- Oil consumption per US gallon: .84 to 7.2 GPH
- Compressed air requirement: 2 cfm @ 35 psig
- Motor Ratings: 120 v 60 Hz 2.2 amp (G200 & G400) or 4.3 amp (G750 & G900)
- Motor RPM: 3250
- Gas train included: Maxitrol inlet pressure regulator, two stage Honeywell, & ASCO two-way solenoid low pressure valve.
- Tested & Listed by ETL to UL296A, CSA B140.0, ANSI Z21.17* / CSA 2.7-M98 Domestic Gas Conversion Burner, and AEI, CSA C22.2 #3* AEI

Standard equipment includes: oil pre-heater assembly with air & oil pressure gauges and regulators; control panel that includes Fireye Combustion Control, PLC control, hour meter, operating lights and fuel selection switch; and a pump assembly.

INOV8 Burners matched to furnaces, boilers, water heaters & evaporators provide unlimited economic options for disposing of waste safely & cleanly.

INOV8 Multi-fuel Furnaces

Get free heat with available waste oils. The unique design prevents typical industry problems. High efficiency, safe operation, clean burning & low maintenance are hallmarks of INOV8 furnaces.



Buderus with INOV8 Burner

Available since 1992, this combination has been used widely in North America and England providing low cost energy efficient hot water heating. Sizes range from 120,000 to 1,050,000 BTUH.



Vegetable Oil Boiler

INOV8's vegetable oil boilers are designed for the efficient combustion of vegetable oils and sized for restaurant hot water and/or heating requirements.



INOV8 / Triad Water Heater

This small foot print boiler also comes with a domestic hot water coil, hydronic pump and all controls. Either INOV8 burner provides fuel options never before available.



INOV8 Evaporators

Eliminate wastewater disposal costs along with your waste oils and high energy costs. The evaporators come with controls for safe operation, provide flexibility of fuels, and fully automatic method of eliminating waste waters.



INOV8 International, Inc., 430 Nelson Place, La Crosse, WI 54601
Toll Free: 877-684-6688 Local: 608-785-2879 Fax: 608-785-2868 www.inov8-intl.com