

Patented NOVATEC GFH Can Reduce Energy Usage of Dryers By Thousands of Dollars/Month

Does Not Require Expensive Flue Exhaust Fan

The NOVATEC GFH Process Heater has a 90%+ thermal efficiency rating – the highest efficiency in the industry and can reduce energy costs by up to 75% compared to electric heaters. A patented stainless steel heat exchanger with a forced draft nozzle mixing burner and stainless steel combustion chamber are standard and do not require expensive exhaust fans.

- **Gas Reduces energy costs by up to 75% vs. Electric**
In areas where electricity costs more than \$ 0.08 / kW, an efficient gas-fired heater can reduce the energy costs by up to 75%, saving thousands of dollars/month in drying applications for PET and other high temperature resins.
- **90+% Efficiency**
The patented Novatec high-efficiency stainless steel heat exchanger with forced draft nozzle mixing burner and high quality insulation means that more heat is transferred to the process instead of being vented and wasted – resulting in 90%+ thermal efficiency – highest in the industry.
- **Advantages of Novatec Mixing Nozzle vs. Pre-Mix Burners**
Our forced draft nozzle mixing burner does not require an additional exhaust fan and does not have to be adjusted for varying room pressures.
- **Air Temperatures Adjustable From 160-400° F. (70-200° C.)**
Nozzle Mixing Burner with high turn-down allows for both low and high temperature operation so the GFH can be used for PET, PLA and PETG even with variations in air flow.
- **Stainless Steel Components = Long Life**
NOVATEC - Patented stainless steel heat exchanger and stainless steel combustion chamber are designed to provide many years of trouble-free service with no maintenance or routine adjustments.
COMPETITION – The pre-mix atmospheric burner includes fragile ceramic and non-reinforced welded steel box parts which fracture from high heat requiring constant vigilance and frequent replacement.
- **Potential Rebates**
The Novatec GFH may qualify for energy savings rebates and/or tax credits in certain localities.
- **Retrofit Systems Available**
Any existing dual bed or wheel dryer can be retro-fitted with the Novatec GFH process heater to greatly reduce energy costs.



GFH-750
Patent # 6044837

Plus:

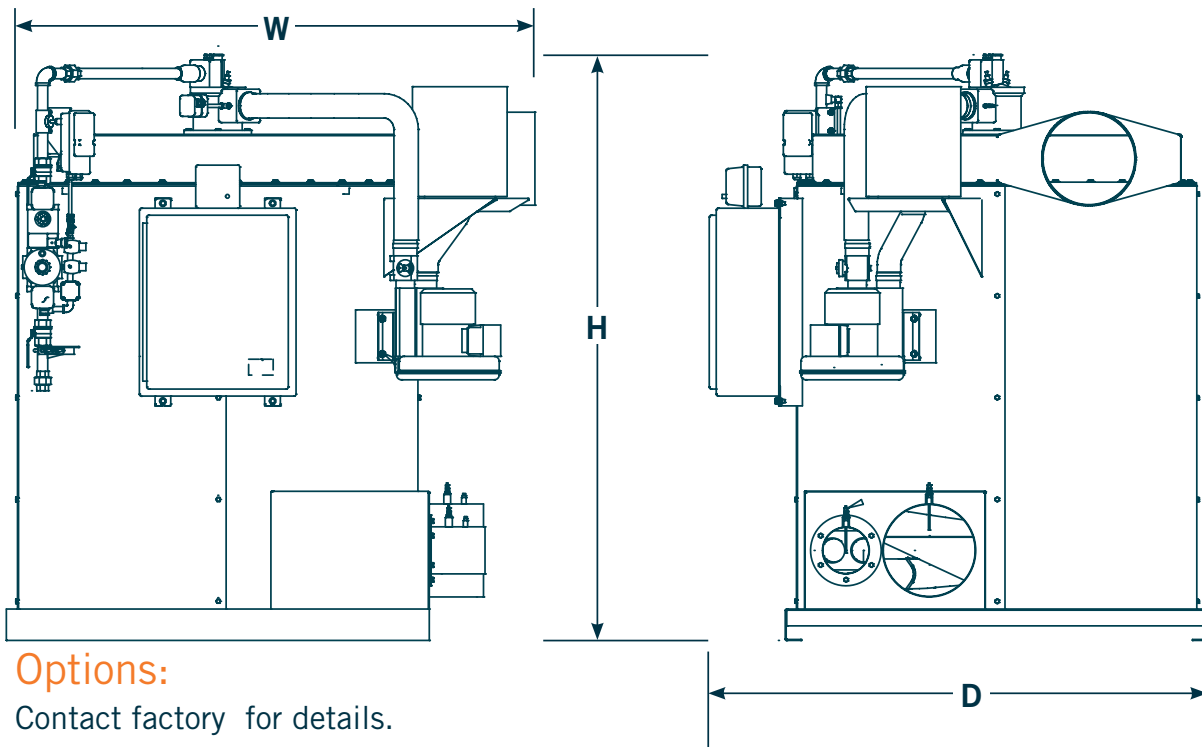
- UL/C-UL 508A Listed control panel
- Main disconnect switch
- NFPA 86 gas train
- Main gas regulator
- Eclipse nozzle mixing burner
- High density industrial insulation
- Total isolation of combustion air from regeneration air
- Separate main and pilot gas
- Process and flue high temperature limit switches
- UL/FM Listed components
- 5-Year warranty

Specifications

STANDARD MODELS*	Gas Consumption		Maximum BTU/hr. (approx)	Width		Depth		Height	
	Ft. ³ /hr.	m ³ /hr.		in.	(cm)	in.	(cm)	in.	(cm)
GFH-500	180	5	180,000	50.5	128	49.6	126	55.8	142
GFH-750	260	7.4	260,000	50.5	128	49.6	126	55.8	142
GFH-1000	350	9.9	350,000	50.5	128	49.6	126	55.8	142
GFH-1500	540	15.3	540,000	58.5	149	56.6	144	72.8	185
GFH-1750	630	17.8	630,000	67.5	172	63.7	162	78.4	190
GFH-2000	720	20.4	720,000	67.5	172	63.7	162	92.8	236
GFH-2500	810	22.9	810,000	67.5	172	63.7	162	92.8	236
GFH-3000	1080	30.6	1,080,000	78.2	199	72.1	183	94.8	241
GFH-3500	1260	35.7	1,260,000	72.7	185	73.6	187	100	254
GFH-4000	1350	38.2	1,350,000	72.7	185	73.6	187	100	254

NOTE: The above gas consumption rates are based on a drying temperature of 350° F. (177° C)

Controls: Standard models are controlled by NovaTouch™ PLC through dryer or crystallizer. Modular design models (add M after standard model part number) use internal controls. Contact factory for details.



Options:
Contact factory for details.