



Gas-Fired Process Heaters

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 per 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 – Their 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.



GFH-750
Patent # 6044837

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.

Plus

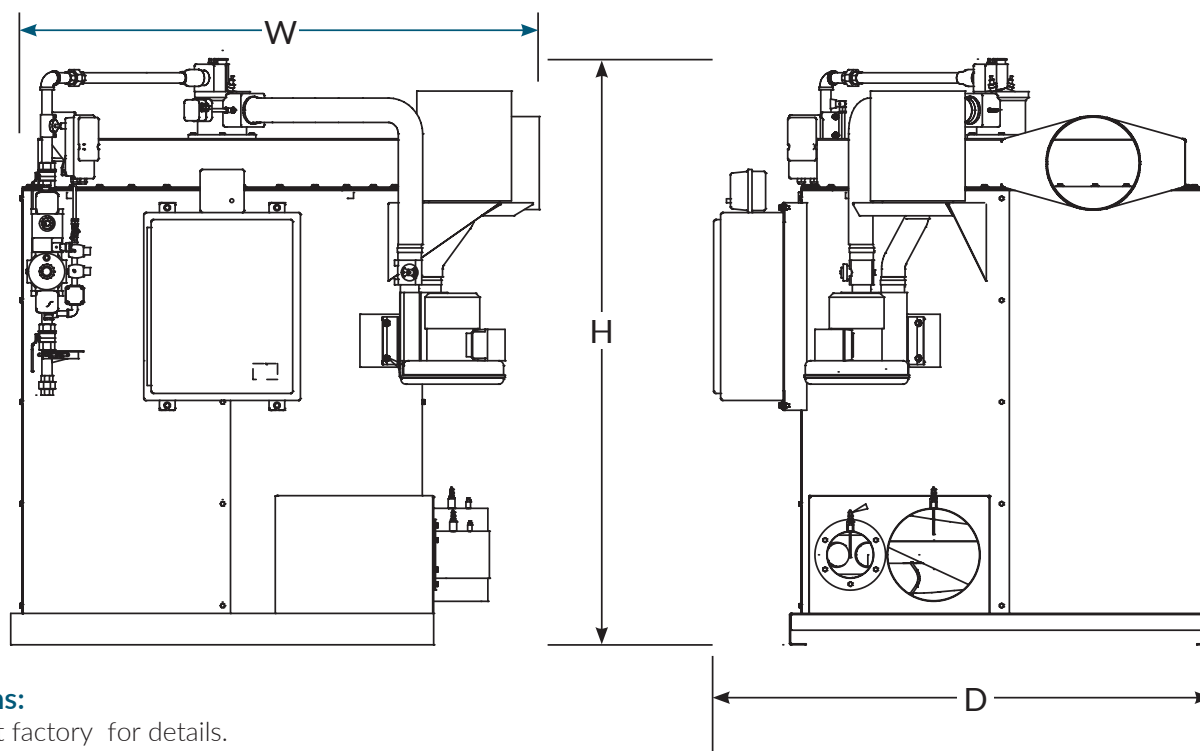
- › UL/C-UL 508A Listed control panel
- › Main disconnect switch
- › NFPA 86 gas train
- › Main gas regulator
- › Eclipse nozzle mixing burner
- › High density industrial insulation
- › Total isolation of combustion air from regeneration air
- › Separate main and pilot gas
- › Process and flue high temperature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