

Condensing Tankless & Furnace Combined



World's Best & Most Efficient Combi-Furnace

High Efficiency | **97.1% AFUE** | **.97 EF (.96 UEF)** | **.96 CSA P.9 TPF**

Design Innovation | **10-stage Furnace with Infinite Modulation**

Smaller Footprint | **Installs in ½ space***

Cost Effective | **Installs in 40% less time***

2019
**BEST OF IBS
AWARDS**

WINNER
MOST INNOVATIVE
BUILDING MATERIAL
PRODUCT



2019
**BEST OF IBS
AWARDS**

RUNNER-UP
BEST ENERGY
EFFICIENT
PRODUCT



The Game changer in the Furnace industry...

*Compared with the installation of 2 separate appliances; a furnace and a water heater.

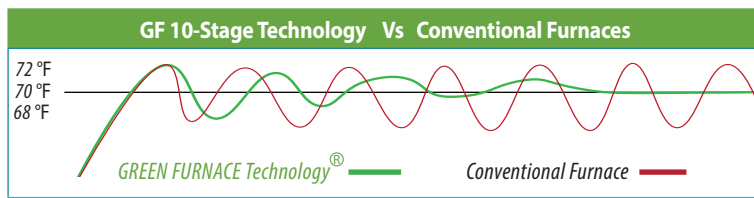
The Game Changer...

The **GF 200** is a cross-breed merging of best practices from hydronics, tankless water heating and forced air heating, offering the world's most efficient Combi-Furnace. With **GREEN FURNACE Technology**,[®] the **GF 200** has outstanding performance and unparalleled features and is the future of hot water and heating for your home.



GF 200
GREEN FURNACE Technology[®]

GREEN FURNACE Technology[®]



Proprietary & Exclusive software delivers optimum comfort and maximum efficiency by minimizing cycling with 10 stages of modulation to provide ultra smooth heat output to your home in all conditions.

Reduced temperature swings compared to conventional furnaces provides improved comfort and reduced fuel consumption and associated **greenhouse gas** emissions.



| Inlet | # of simultaneous 2.5 GPM showers |
|-------|-----------------------------------|
| 40 °F | 2 |
| 55 °F | 4 |
| 70 °F | 6 |

| Temperature Rise (°F) | Flow Rate GPM |
|-----------------------|---------------|
| 50 | 7.8 |
| 55 | 7.1 |
| 60 | 6.5 |
| 65 | 6 |
| 70 | 5.5 |
| 75 | 5.2 |
| 80 | 4.8 |
| 85 | 4.6 |

Key Features...

Here's why the **GF 200** is the installer's choice:

- Industry's Best Combi-Furnace
 - 96% TPF | 97.1% AFUE
- With Full Modulation, 'One size fits all'
- 5 GPM @ 80°F Temperature Rise
- Low NOx Emissions | NSF Low Lead Certified
- Stainless steel heat exchangers for extended life & durability
- Return ducting connects from the left side, right side, back or bottom
- Internal Recirculation & Buffer Tank
 - Eliminates cold water sandwich
 - No minimum flow rate required
- Simple Installation - Small Footprint
 - Venting 2" (60') | 3" (150')
 - Field Convertible to LP Gas

Advanced Features...

Innovative technology and outstanding performance

- Simultaneous DHW and Heating up to 170 MBH (85% burner capacity); Automatic DHW priority above 170 MBH.



- DEC Star ECM Blower automatically adjusts to overcome static pressure to maintain CFM. Shaftless blower system reduces air flow restrictions and improves efficiency.

- Negative pressure gas valve w/ pre-mix burner provides full modulation from 20-200 MBH.

Combined DHW & Space heating appliance

The industry's most innovative appliance with combined space heating and DHW. Easily replace existing furnace and water heater at the same time to save space and cut costs.

Design Innovation

Fully enclosed air flow pathway provides a quiet, consistent air flow across the fan coil which minimizes losses and maximizes efficiency and comfort.

High Efficiency Combustion System

Fully modulating condensing combustion system with high TDR burner technology. Two stainless steel heat exchangers provide longer life expectancy as they are highly resistant to corrosion and erosion compared to copper heat exchangers. Condensing technology offers significantly higher efficiencies compared to regular furnaces.

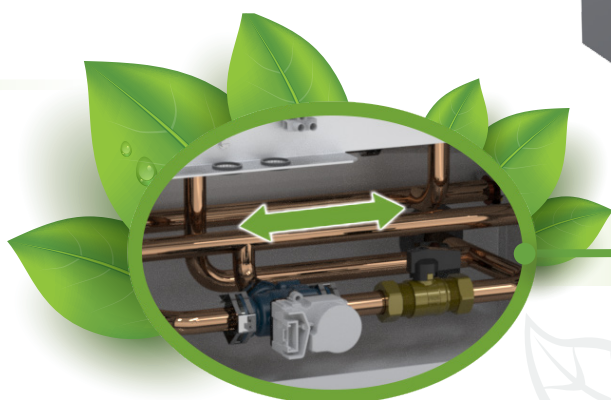
Most Advanced ECM Blower

Bringing together a High Efficiency Blower (HEB) Housing, Axial Flux (No Shaft) BLAC Motor, and next generation advanced Variable Speed ECM Technology into one innovative assembly.

Delivering the most efficient blower in the market by providing improved airflow, and lower maintenance costs which clearly demonstrates you can do more, with less.

Integrated plumbing

Built-in pump, quick connects and easy access means a quick installation. The **GF 200** features dual left side/right side reversible connections for optimal installation flexibility.



Dual Connections

Specifications...

| Item | | GF 200 | |
|-----------------------|---|---------------------------|-------------------------|
| Heat Capacity (Input) | Natural Gas | Space Heating: | DHW Heating: |
| | Propane Gas | 19,900 - 80,000 BTH/HR | 19,900 - 199,000 BTU/HR |
| AFUE | Furnace (for NG & LP) | 97.1% | |
| Energy Factor | DHW (for NG & LP) | 0.97 | |
| Flow Rate | 50 °F (28 °C) Temp Rise | 7.8 GPM (29 L/m) | |
| | 65 °F (36 °C) Temp Rise | 6.0 GPM (23 L/m) | |
| | 80 °F (44 °C) Temp Rise | 4.8 GPM (18 L/m) | |
| Dimensions | 17.75 in (W) x 38.0 in (H) x 38.0 in (D) | | |
| Weight | 248 lbs | | |
| Venting Type | Forced Draft Direct Vent | | |
| Venting Size | 2" or 3" | | |
| Water Pressure | 15 – 150 PSI | | |
| Connection Sizes | Cold Water Inlet | 3/4 in female sweat joint | |
| | Hot Water Outlet | 3/4 in female sweat joint | |
| | Gas Inlet | 3/4 in NPT | |
| Power Supply | 120V AC, 60 Hz | | |
| Safety Devices | Flame Rod, APS, Ignition Operation Detector, Water Temperature High Limit Switch, Exhaust Temperature High Limit Sensor, Power Surge Fuse | | |

| Item | GF 200 |
|---------------------|-----------------------|
| Heating Air Flow | 500 - 1200 CFM |
| Cooling Air Flow | 490 - 1450 CFM |
| Continuous Air Flow | 350 - 725 CFM |
| Supply Plenum | 19-1/2" x 16-3/8" |
| Return Options | Sides / Back / Bottom |

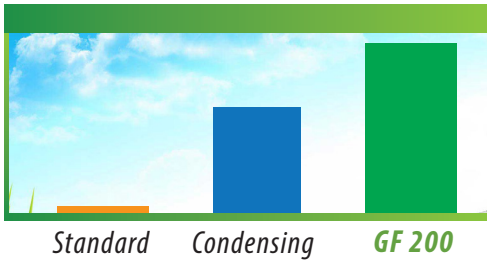


Quick Connections



Condensing Dual Heat Exchanger

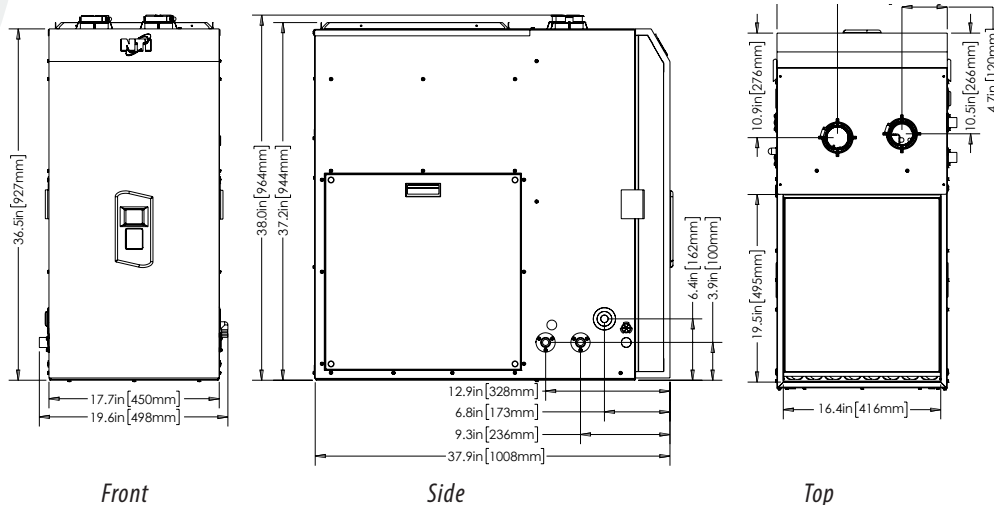
The Game changer in the Furnace industry...



Superior Savings...

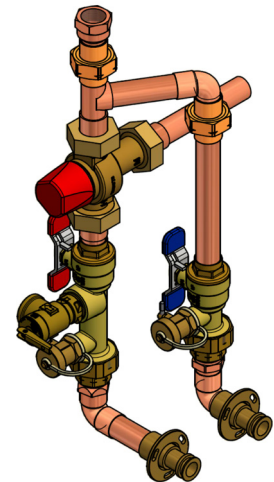
With high efficiencies & **GREEN FURNACE Technology**,[®] the GF 200 delivers performance up to 0.96 UEF/0.97 EF. Compared to standard furnaces, the GF 200 provides reduced fuel consumption, costs, and **Greenhouse Gas** emissions.

Dimensions...



GF 200 DHW-EZ Pipe Kit:

- Installation even quicker & easier
- Fits left or right side
- Save 1-2 hours of on-site labour



Why Choose Us...

Our family-operated business has manufactured only top-quality hydronic heating equipment for 50 years. Acknowledged as a leader in research and product development, NTI is a pioneer in developing the most advanced and efficient home heating equipment. Our customer service hotline and extended warranty program maintain our commitment to you.

With NTI, you're buying quality, North American-made comfort.

Distributed by:



NTI Boilers

30 Stonegate Drive
Saint John NB, E2H 0A4

NTIBoilers.com | 1-800-688-2575