

NFC High-Efficiency Condensing Fire Tube Combi-Boiler Submittal Sheet

Model NFC-175 (175,000 Btu/hr. space heating and 199,900 Btu/hr. domestic hot water)

Model NFC-200 (199,900 Btu/hr. space heating and 199,900 Btu/hr. domestic hot water)

Job Name: _____

Location: _____

Engineer: _____

Wholesaler: _____

Sales Rep: _____

Contractor: _____

Model: _____ Gas Type (NG/LP): _____ Input (BTU/HR): _____ Output (BTU/HR): _____

Notes: _____

Boiler Standard Features

- SS Heat Exchanger with Non-Metallic Condensate Collector Base
- Cold-rolled Carbon Steel Casing
- 95% AFUE
- 10:1 Turndown Ratio
- 80 PSI ASME Max Pressure
- 30 PSI ASME Relief Valve
- Direct Spark Ignition
- Variable Speed Blower
- Dual Venturi Mixing System
- Negative Pressure Gas Valve
- Cascaded Up to 16 Units (1 NFC and up to 15 NPEs)
- Common Vented Up to 8 Units (1 NFC and up to 7 NPEs)
- Wall Mounting Bracket
- LP Gas Conversion Kit
- Outlet & Inlet Temp Sensors
- Outdoor Temperature Sensor
- Flue gas Temperature Sensor
- Condensate Trap
- NaviClean magnetic filter
- Space heating isolation valves
- Primary manifold
- Air Vent and PRV Valve

Boiler Standard Features

- DHW module with Mixing and Water Adjustment Valves
- NaviCirc Recirculation Valve

Boiler Optional Accessories

- Secondary System Manifold
- Condensate Neutralizer Kit
- Zone Controller
- System Supply/Return Sensors
- NaviLink Control
- Boiler Stand / Rack System
- Boiler/System Fill Valve
- 50 PSI Pressure Relief Valve
- 80 PSI Pressure Relief Valve

Venting

- Direct Exhaust Sidewall or Roof Venting
- Direct Exhaust Inside Air Venting
- 2 in. or 3 in. PVC, CPVC, PP, SS Vent Materials up to 150 ft.
- Vent Termination Caps
- Wall Flanges

Controls

- LCD Display with Push Buttons and Dial
- Manual Reset LWCO
- High and Low Gas Pressure Switches with Manual Reset
- Manual Reset High Limit
- Freeze Protection
- Outdoor Reset
- Warm Weather Shutdown
- Air Handler Interface
- 4 Circulator Outputs
- Remote Access via NaviLink Mobile Application

Warranties

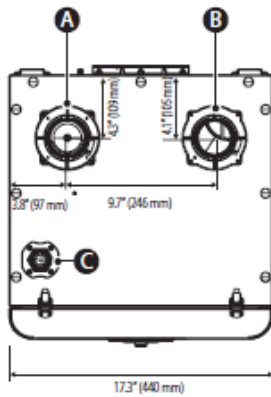
- 10 yrs. Residential and 5 yrs. Commercial Heat Exch. Warranty
- 5 yrs. Residential and 3 yrs. Commercial Parts Warranty
- 1 yr. Labor Warranty



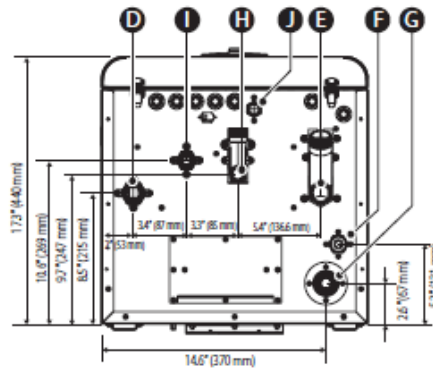
Supply Connections

	Description	Diameter
A	Air Intake	2 in
B	Exhaust Gas Vent	2 in
C	Air Vent Connection	3/4 in
D	Heating Supply	1 in
E	Heating Return	1 in
F	Gas Connection	3/4 in
G	Condensate Outlet	1/2 in
H	Cold Water Inlet (DHW)	3/4 in
I	Hot Water Outlet (DHW)	3/4 in
J	Auto Feeder Inlet (Make-up Water)	1/2 in

Overhead View



Supply Connections



Navien Condensing Boiler Space Heating Ratings						Other Specifications		
Model Number	Heating Input (BTU/H)		Heating Capacity (MBH)	Net AHRI Rating Water (MBH)	AFUE (%)	Water Pressure	Water Connection Size (Supply, Return)	Water Volume
	Min	Max						
NFC-175	18,000	175,000	161	140	95	12 - 80 psi	1" NPT	4.5 gallons
NFC-200	18,000	199,900	183	159	95			

Navien Combination Boiler Domestic Hot Water Ratings			Other Specifications					
Model Number	Heating Input (BTU/H)		Water Pressure	Minimum Flow Rate	Flow Rate 45°F (25°C) Temp Rise	DHW Supply Connection Size	DHW Return Connection Size	
	Min	Max						
NFC-175	18,000	199,900	15-150 PSI	0.5 GPM (1.9 L/m)	7.9 GPM	3/4" NPT	3/4" NPT	
NFC-200	18,000	199,900						