



# FTVN Series II

## Next Evolution of the NTI Boilers

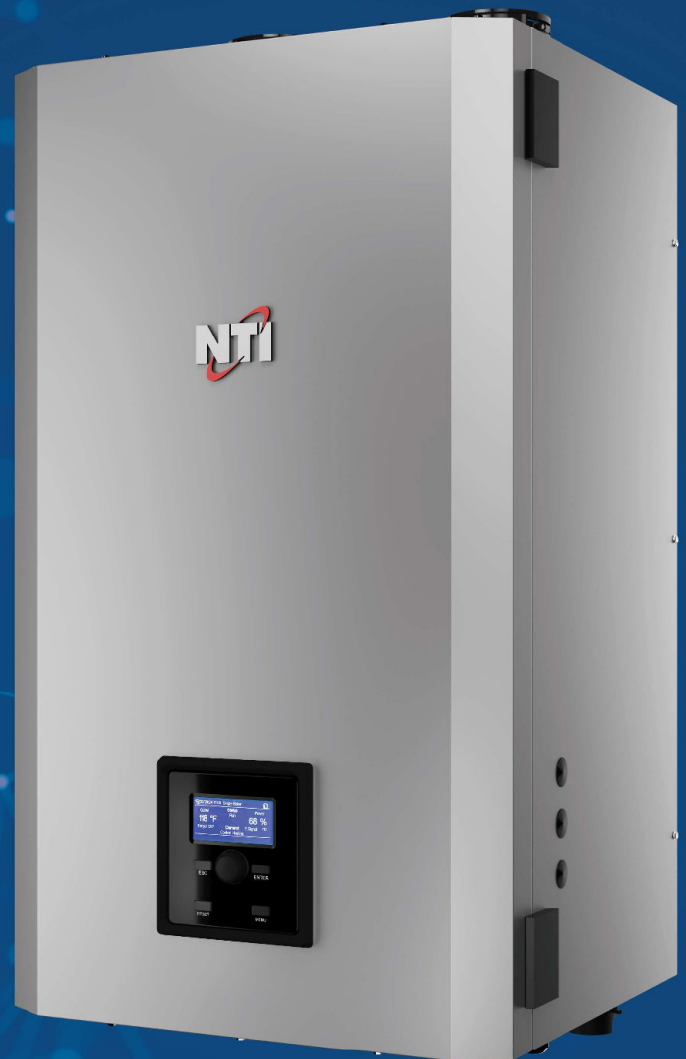
Available in:

**85 to 199 MBH**

Key Benefits:

- *Advanced User Interface with Easy Setup Wizard*
- *Simpler Wiring with Improved Junction Box*
- *NTI Net for Wi-Fi and Remote Connectivity*
- *Integrated ECM Primary Pump*
- *Combi and Heat Only Versions Available*

*5-year parts/limited lifetime warranty on heat exchanger*



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# FTVN Series II

## A NEXT LEVEL HEATING EXPERIENCE

### | *New advanced system interface*

- | Easy to read 3.75" display
- | Intuitive menu navigation via central dial
- | Easy first installation with the setup wizard
- | Access through the menu to multifunction settings: time, zone, mode programming, holiday
- | Management of 2 zone pumps CH directly from display thanks to the new junction box with integrated outputs
- | Multi-temperature modulating control



## ENDURING QUALITY INSIDE AND OUT

### | *AIC® Vertical Fire Tube heat exchanger*

- | The NTI FTVN series II uses a fire tube heat exchanger from AIC®, the world leader in fire tube technology. With a rugged construction from SA-240 S43932 Chromium stainless steel, produced in a state-of-the-art automated production facility, the heat exchanger exhibits the highest quality and durability.



# FTVN Series II

## ACCESSORIES



Galvanized Floor Stands



N-Link



Heavy Duty Floor Stand



NTI Digital Room Sensor



0-10V / 4-20mA Clip-In Module

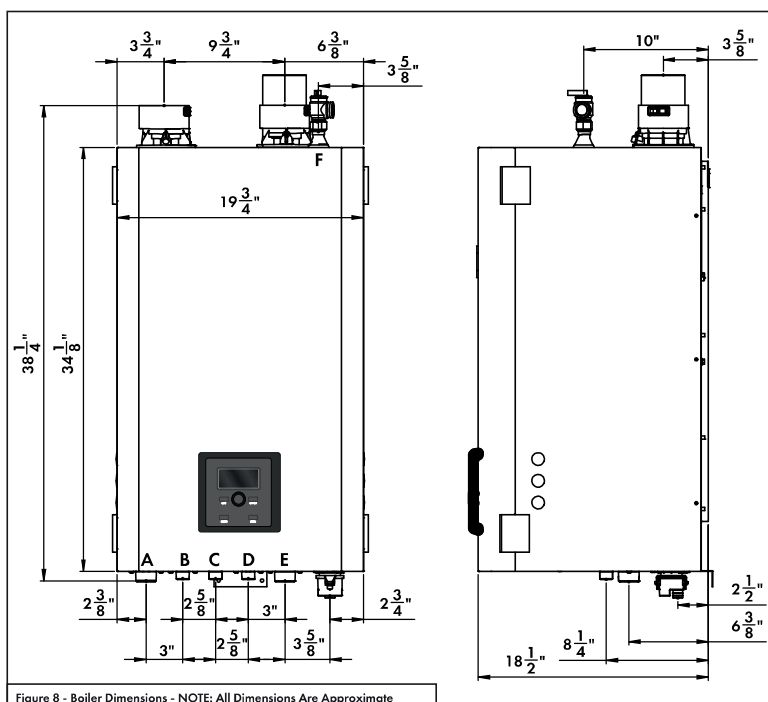


TRX / FTVN Low Loss Header



Heat Exchanger Coil Cleaning Tool

## DIMENSIONS



	FTVN						
	085	110	150	199	110C	150C	199C
A - Central Heating	1-1/4" NPT						
B - Supply to Indirect Water Heater	3/4" NPT						
C - Gas Inlet	3/4" NPT						
D - DHW Inlet	N/A			3/4" NPT			
E - Central Heating Return	1-1/4" NPT						
F - Pressure Relief Valve	3/4" NPT						

Table 8 - Boiler Connection Sizes

# FTVN Series II

## SPECIFICATIONS

MODEL		FTVN085	FTVN110	FTVN150	FTVN199	FTVN110C	FTVN150C	FTVN199C	
Order Code		3314309	3314310	3314312	3314314	3314311	3314313	3314315	
Capacity	Input Rating CH <sup>1</sup>	MBH	8.5-85	11-110	15-150	19.9-199	11-110	15-150	19.9-199
	Input Rating DHW <sup>1</sup>								
	Heating Capacity <sup>1 2</sup>		79	101	138	184	101	138	184
	Net AHRI Rating, Water <sup>2</sup>		69	88	120	160	88	120	160
	Modulation (turndown)		Ratio	10:1					
Performance	AFUE	%	96	95					
DHW Flow	35°F Rise	GPM	N/A			5.8	7.9	10.5	
	45°F Rise					4.5	6.1	8.2	
	77°F Rise					2.6	3.6	4.8	
Venting Length <sup>3 4</sup>	2" Min-Max Exhaust	Ft	6-100						
	2" Min-Max Inlet		0-100						
	3" Min-Max Exhaust		6-150						
	3" Min-Max Inlet		0-150						
Volume	Water Content	Gallons	2.1	3.0	3.7	2.2	3.1	3.8	
Weight	Approx "Full Boiler"	Lbs	107	124	145	108	125	146	
	Shipping		110	120	135	111	121	136	
	Safety Devices	Flame Rectifier Probe, Temperature Limit Control (190°F), Water Pressure Switch (Min. 8 PSI), Freeze Protection, Condensate Trap, Flue Temperature High Limit Sensor (199°F), Blocked Condensate Pressure Switch, Blocked Vent Pressure Switch							

<sup>1</sup> Listed Input and Output Ratings are at minimum vent lengths at an altitude of 0 - 2000 ft. Numbers will be lower with longer venting and/or altitudes greater than 2000 ft.

<sup>2</sup> Ratings based on standard test procedures prescribed by the US Department of Energy and certified to ANSI Z21.13/CSA 4.9

<sup>3</sup> The FTVN requires a special venting system. Use only the vent materials and methods detailed in these installation instructions.

<sup>4</sup> It is permissible to use SS vent material, however, only PVC/CPVC/PP can be directly inserted into the appliance adapters.

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