

# MAXIMUM



## Vmax

Maximum **VITALITY**  
*with fire tube heat exchanger*

Maximum **VALUE**  
*with premium features*

Maximum **VERSATILITY**  
*with easy installation and service*



Built-in Pump



Built-in Indirect

[nythermal.com](http://nythermal.com)



## Maximum VITALITY

The **Vmax** uses a stainless steel down-fired heat exchanger which ensures a long product life and an enduring source of home comfort. The fire tube heat exchanger optimizes heat transfer, which maximizes efficiencies.



## Maximum VALUE

The **Vmax** includes a built-in primary loop, circulator and high-energy spark ignition as standard features. The **Vmax** is competitively priced, which makes it unmatched in the industry.



## Maximum VERSATILITY

The **Vmax** features universal flue connections and is easily converted from natural gas to propane. The **Vmax** is available in a PLUS version and is engineered to make installation, setup and service easy.



## Included Features

The **Vmax** features an integrated pressure sensor and an optional indirect water heater return connection.



## Easy to Install

With an internal primary loop and circulator installation time and effort will be significantly reduced.



## User-friendly Interface

The advanced interface provides for easy programming and control. It allows for quick setup with a user-friendly screen display and options.



## Standard FEATURES

- Fully Modulating burner with 6.5 turn-down ratio
- High-energy spark ignition
- Zero clearance to combustibles
- Advanced integrated control:
  - Low water pressure cut-off
  - Easily-programmable display
- Field conversion from Natural Gas (factory) to Propane
- Flue gas test port
- Built-in primary loop with circulator
- No-glue universal vent connections
- Water pressure sensor
- Auto air vent
- 120VAC outlet for condensate pump
- On/off switch
- Direct vent or indoor combustion air
- Certified ANSI Z21.13

## Controller FEATURES

- High-limit safety control
- Domestic hot water priority
- Cascade up to 16 Vmax boilers
- Service reminder
- Night setback option
- Lockout and error history
- Runtime accumulation
- Freeze protection
- Adjustable outdoor reset
- Optional control board expansions



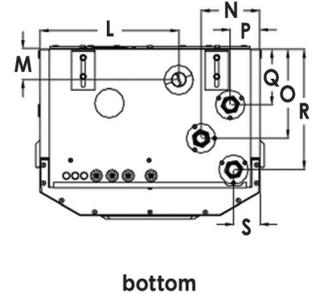
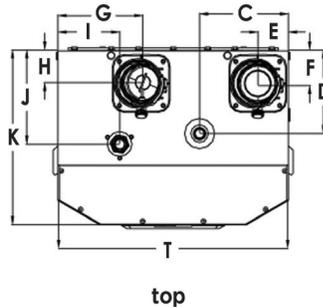
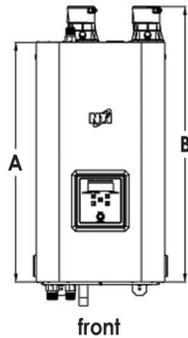
## Plus Advantage

For enhanced versatility the **Vmax** is also available in a **Plus** version which includes a **built-in 16-gallon indirect water heater**, and that provides both full-capacity space heating and domestic hot water.

## Plus Features

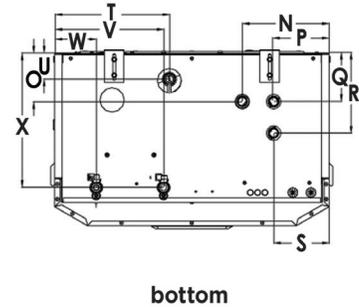
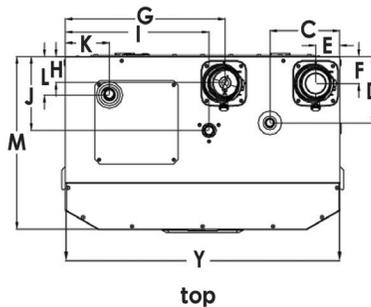
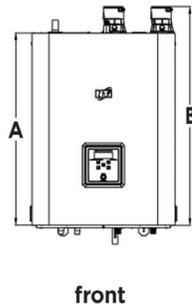
- Low loss header manifold (primary loop)
- Internal primary circulator
- Reduced boiler cycling
- DHW tank temperature sensor
- Quick connect components for easy service
- Fully-integrated plumbing for easier installation

# Vmax Dimensions & Specifications



Dimensions (Inches)

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
	HEIGHTS		GAS CONN.		AIR INLET		FLUE		RELIEF/AIR VENT		DEPTH	CONDENSATE		IWH RETURN		OUTLET		INLET		WIDTH
VM110	35-1/4	40	7-1/4	6-3/4	2-1/2	2-3/4	7	2-3/4	5	14-1/4	14-1/4	11-3/4	2-3/4	5	7-1/2	2-1/2	4-3/4	10-1/4	2-1/4	18-3/4



Dimensions (Inches)

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
	HEIGHTS		GAS CONN.		AIR INLET		FLUE		RELIEF/AIR VENT		TEMP/RELIEF	DEPTH	DHW IN.	DHW RE-CIRC	DHW OUT		CONDENSATE	LOW LOSS HEADER CONN.			WIDTH				
VM110P	38-1/4	43	7-1/4	6-3/4	2-1/2	2-3/4	16-1/2	2-3/4	14-3/4	7-1/2	4-1/2	4	17-3/4	9	5	5-1/2	5	8-1/4	5-1/2	11-3/4	2-3/4	11-1/4	4-1/4	13-3/4	28-1/4

## Specifications

MODEL	CSA INPUT (MBH)		DOE HEATING CAP. (MBH)	NET I=B=R RATING (MBH)	AFUE (%)	GAS CONN. (NPT, IN.)	WATER CONN. (NPT, IN.)	DHW CONN. (NPT, IN.)	AIR INLET CONN. (IN.)	FLUE CONN. (IN.)	WEIGHT (LB)
	MIN.	MAX.									
VM110	17	110	101	88	95	1/2 (FEMALE)	1 (MALE)	NA	3	3	110
VM110P							1 (MALE)*	3/4 (MALE)			115

\* Vmax Plus CH connections are sweat joint.

## DHW Performance

MODEL	1ST HR RATING (GPH)	CONTINUOUS RATING (GPH)	DHW STORAGE (GAL)
VM110		NA	
VM110P	218**	205**	16

\*\* Domestic performance based on average water temperature of 108°F at mixing valve outlet and 50°F inlet.



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As NTI continuously strives to improve our products, we reserve the right to make changes without prior notification.

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