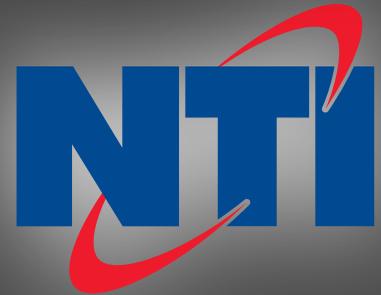


MAXIMUM



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





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.



Standard **FEATURES**

- Fully Modulating burner with up to 10:1 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





Vmax

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.



Vmax+⁺

Plus Advantage

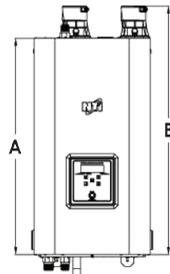
For enhanced versatility the Vmax is also available in a Plus version which includes a built-in 16-gallon indirect water heater, and that provides both full-capacity space heating and domestic hot water.

Plus Features

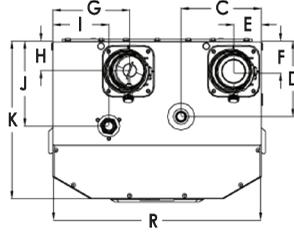
- Primary loop included / built in
- Internal primary circulator
- Reduced boiler cycling
- DHW tank temperature sensor
- Quick connect components for easy service
- Fully-integrated plumbing for easier installation



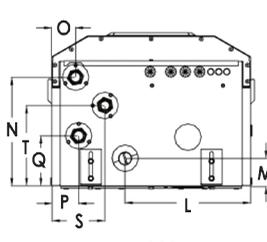
Vmax Dimensions & Specifications



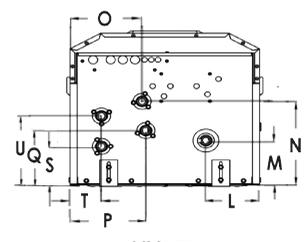
Front



Top



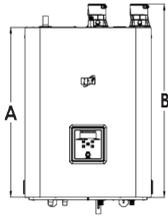
VM110
Bottom



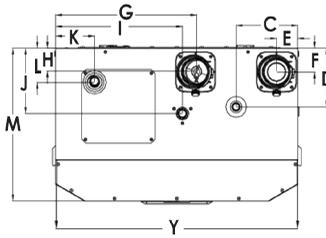
VM153
Bottom

Dimensions (Inches)

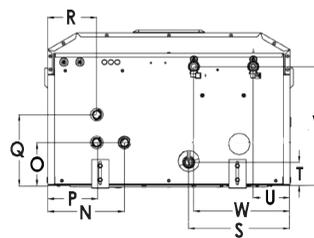
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
	HEIGHTS		GAS CONN.		AIR INLET		FLUE		RELIEF/AIR VENT		DEPTH	CONDENSATE		CH INLET		CH OUTLET		WIDTH	IWH RETURN		IWH SUPPLY	
VM110	35-1/4	40	7-1/4	6-3/4	2-1/2	2-3/4	7	2-3/4	5	14-1/4	14-1/4	11-3/4	2-3/4	10-1/4	2-1/4	2-1/2	4-3/4	18-3/4	5	7-1/2	NA	NA
VM153	38-1/4	43	7-1/2	7-3/4	2-1/2	2-3/4	8-3/4	2-3/4	9-1/2	9-1/4	19-1/4	5	5-1/2	10-1/2	8	8-1/2	7	21		3-1/2	8-3/4	



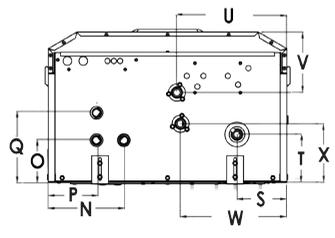
Front



Top



VM110P
Bottom



VM153P
Bottom

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		CH INLET*		CH OUTLET*		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	8-1/4	5-1/2	11-3/4	2-3/4	4-1/4	13-3/4	11-1/4	NA	28-1/4
VM153P			7-1/2	7-3/4					16-3/4	9-1/2									5	5-1/2	5	5-1/2	5	5-1/2	

* VM110 Inlet/Outlet connections for supplied primary manifold

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 (FEMALE)	3/4 (MALE)			115
VM153	15.4	154	141	122	95		1 (MALE)	NA			135
VM153P							3/4 (MALE)	140			

* Vmax Plus CH connections are sweat joint

DHW Performance

MODEL	1ST HR RATING (US GPH)	CONTINUOUS RATING (US GPH)	DHW STORAGE (US GAL)
VM110		NA	
VM110P	218**	205**	16
VM153		NA	
VM153P	300**	287**	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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