

START-UP FORM FOR OIL (NON-CONDENSING) WATER HEATERS

MAXIM - TURBOPOWER® MODELS



A Start-up Form must be completed for each unit installed on site. All completed Start-Up Forms must be returned to the PVI Customer Care Department **within 21 days from the date of Start-Up to activate warranty**. Start-up must be performed by qualified personnel.

PVI CUSTOMER CARE DEPARTMENT

PVI Industries LLC 3209 Galvez Ave. Fort Worth, TX 76111	Phone: 1-800-433-5654 Email: customercare@pvi.com Web: www.pvi.com
<p><i>* This Equipment Start-up Form can also be completed and submitted electronically via our web site at www.pvi.com. You will find it under the Service and Support menu, e-Forms section.</i></p>	

Date:		Report Type:	Original Start-Up	Service Call			
Model Number:		Serial Number:					
Installation Job Name:							
Installation Address:							
Installation Type:	New	Repl.	School	Lodging	Hospital	Restaurant	Other

PRE START-UP CHECKLIST

Inspect the unit for the following points as applicable and refer to the product Installation & Maintenance Manual prior to Start-Up. Note any deficiencies in the space provided at the end of the report.

GENERAL	(Y / N / NA)
Is the electrical disconnect set to the "Off" position?	
Is the unit damaged or are there any missing parts?	
Is there adequate clearance for proper operation & maintenance?	
Has the ductwork been properly connected and complete?	
Have all shipped loose parts been installed? (sensors, hoods, filters)	
Are all piping complete, connections tight, leak free and damage free?	

WATER SYSTEM	(Y / N / NA)
T&P relief valve(s) piped to a suitable floor drain?	
Expansion relief in the cold water supply?	
Water softener on the cold water supply?	
Mixing valve on the hot water supply?	
Is there a building recirculation loop piped to the water heater?	

BUILDING MANAGEMENT/AUTOMATION	(Y / N / NA)
Gateway installed?	
EMS Discrete Interface (Enable, Disable, Remote On-off)?	
EMS Communication Interface (Modbus, BacNet, etc.)?	
EMS connected to which field access terminals:	Field Wire Gauge:
EMS Brand (JCI, Siemens, etc.):	

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ELECTRICAL & CONTROL REQUIREMENTS						(Y / N / NA)
Does the main power supply comply with the unit's nameplate specifications?						
Is the unit properly wired to an electrical disconnect or breaker?						
Are terminal screws and wires connected and are tight?						
Is voltage from Terminal L2 (Neutral) to the Ground Lug on the tank zero (0)?						
Nameplate Voltage	V:		∅:		Hz:	
Measured Voltage (unit off)	V:		∅:		Hz:	
Measured Voltage (unit on)	V:		∅:		Hz:	

OIL SUPPLY				(Y / N / NA)
Type of Oil:	No. 1	No. 2	Oil Supply Pipe Size:	
Oil filter or strainer installed on the oil supply line to the burner?				
Two-pipe return system?				
Oil supply line shut-off valve installed?				
Oil Day Tank Lift in Feet:				

COMBUSTION AND VENTILATION AIR				(Y / N / Check)
Vertical Direct Vent	(two pipe vertical termination)			
Horizontal Direct Vent	(two pipe sidewall termination)			
Vertical Vent with Sidewall Air	(single pipe vertical termination with single pipe combustion air supply)			
Vertical Vent with Room Air	(single pipe vertical termination)			
Horizontal Vent with Room Air	(single pipe sidewall termination)			
Air Inlet Duct Dia. (in.):		Air Inlet Duct Material:		Total Eqv. Length (ft.):
Is there a powered combustion air device, damper or louver system?				
The powered combustion air device is connected to which heater terminals?				
Is direct-duct combustion air combined with other units?				
Common duct size and length:			Number of combined units:	
Flue Vent Dia. (in.):		Flue Vent Material:		Total Eqv. Length (ft.):
Is there a powered draft device in the flue system?				
The powered draft device is connected to which heater terminals?				
Is the flue vent combined with other units?				
Common vent size and length:			Number of combined units:	

BURNER COMBUSTION & ADJUSTMENT (For fixed rate burners, use High Fire column)				
Burner Model No.:	Burner Serial No.:		Low Fire	High Fire
Operating Temperature Set Point (°F):				
Vacuum Reading at Oil Pump Inlet (H.G.):				
Oil Nozzle Supply Pressure (PSI):				
Oil Nozzle By-Pass Pressure (PSI):				
Carbon Dioxide CO2 (10.5% - 12.7 %):				
Oxygen O2 (4% - 7%):				
Carbon Monoxide CO (should not exceed 200 PPM):				
Smoke Number (less than #2):				
Nitrogen Oxide NOx (%):				
Vent Pressure (Range of negative .02 in. WC to negative .06 in. WC):				
Net Vent Temperature (°F) - Gross vent temp minus ambient air temp.:				

