



Power VTX Water Heater Start-Up Report

See Installation and Maintenance Manual for Detailed Start-Up Requirements

Model Number: _____ Serial Number: _____ Date: _____

Installation Name: _____ Report type: Start-Up Service

Installation Address: _____

GENERAL

Installation is: New Replacement Installation type: School University Lodging Hospital Restaurant Other

Primary operating voltage supply: _____ VAC (unit operating) Voltage from neutral to earth ground: _____ (should be zero)

Energy Management System (EMS) Interface: Yes No Mfg./Model: _____

EMS function: Remote On-Off Modulation Other: _____

EMS connected to which field access terminals: _____ EMS field wire gauge: _____ Heater distance from EMS panel: _____

GAS SUPPLY

Type of Gas: NAT LP Max available gas pressure: _____ Lb/Oz Gas Regulator Model: _____ Range _____

Static incoming gas pressure (no units operating): _____ inches W.C. (see rating decal for maximum inlet gas pressure)

Dynamic gas pressure (all units operating): _____ inches W.C. (see rating decal for minimum inlet gas pressure)

High gas pressure switch setting: _____ inches W.C. Low gas pressure switch setting: _____ inches W.C.

WATER SUPPLY

Is there a floor drain in the mechanical room? Yes No Is T & P Relief Valve plumbed to a suitable drain: Yes No

Is building return piped to heater? Yes No Is return piping connected to dedicated return fitting at the rear of the tank? Yes No

Is condensate trap installed, operating properly and flowing to drain? Yes No Is mixing valve on hot water supply? Yes No

VENTING

Conventional - Vertical Termination Sidewall Termination Concentric Vent - Vertical Termination Concentric Vent - Horizontal Termination

Vent Material: PVC CPVC Polypropylene (brand): _____ Stainless Steel (brand): _____

Vent Diameter: _____ in. Equivalent Length: _____ ft. Vertical: _____ ft. Horizontal: _____ ft. # 90 Elbows _____ ea. # 45 Elbows _____ ea.

Individual Venting Common Venting (list all equipment): _____

Does vent contain any mechanical draft device? Power vent Draft inducer Device connected to which heater terminals? _____

Is mechanical draft device interlocked with heater controls? Yes No Is mechanical draft device variable speed, modulating type? Yes No

COMBUSTION and VENTILATION AIR

Room Air? Two openings to the outside One opening to the outside Two ducts from the outside Two ducts from interior space

Total Btu/hr of all equipment in room: _____ Btu/hr Total area of combustion and ventilation openings: _____ (square inches)

Does combustion air supply contain any mechanical device? Louver Dimensions: _____ Air Intake Fan: _____

Is mechanical air device interlocked with heater controls? Yes No Device connected to which heater terminals? _____

Direct-Duct Combustion Air? Yes No Duct Material: _____ Duct Diameter: _____ inches. Equivalent Duct Length: _____ feet.

Is Direct-Duct Combustion Air Combined with other units? Yes No How Many: _____ Common Duct Size & Length: _____

TEMPERATURE SET POINT / BURNER COMBUSTION ADJUSTMENT

OPERATING TEMPERATURE SETPOINT: _____ F STARTING MODULATION RATE: _____ %		Comments
Combustion Data (Full modulation)	Low Fire	High Fire
Carbon Dioxide CO2 (8.5 - 9.5 % Nat / 9.5-10.5 LP)		
Carbon Monoxide CO (should not exceed 200 PPM)		
Modulation %		
Nitrogen Oxide NOx %		
Vent Pressure - Individual Venting (Maximum 1" W.C.)		
Vent Pressure - Common Venting (Maximum - 0.1" W.C.)		
Net Vent Temperature degree F (gross minus ambient air)		

Start-Up performed by (print) _____ Phone Number: _____

Service Company (print): _____ Signature: _____

Start-Up accepted by (print): _____ Phone Number: _____

Company Name: _____ Signature: _____