

# Power VTX® Condensing Gas Water Heater

AquaPLEX® Duplex Stainless Steel

## Standard Features and Equipment

### Performance

- 95.5% thermal efficiency (per 10 CFR 431: ANSI Z21.10.3 @ 70°F to 140°F)
- 99% thermal efficiency at low fire from 40°F to 140°F
- < 20 ppm NOx, SCAQMD listed

### Pressure Vessel

- AquaPLEX tank (duplex stainless steel)
- Storage tank ASME stamped and National Board registered for 150 psi MAWP
- CSA rated temperature and pressure relief valve(s)
- Fiberglass insulation
- Coated steel jacket panels
- Bottom drain valve

### Heat Exchanger

- AquaPLEX combustion chamber and fire tubes

### Burner, Operating Controls and Safeties

- Pre-mix surface burner with zero-governor gas regulator and proportionate gas/air mixture
- Full modulation with a 4-to-1 turndown
- Electronic operating system with integrated ignition and operating controls
  - Programmable electronic operator with digital temperature readouts, adjustable from 80°F to 180°F (consult factory for applications with ≥180°F delivered water)
  - Plain text heater status and fault indication with fault history
  - Alarm with remote contacts
  - Visual modulation rate
  - Manual-reset high temperature limit
  - Modbus RTU (RS-485)
  - BACnet MSTP (RS-485)<sup>2</sup>
- Electronic low-water cutoff with manual reset and test switch
- Remote on/off terminals
- Remote equipment relay and proving contacts (10 amp)

### Warranty

- 15-year tank and heat exchanger warranty covering waterside and condensate corrosion, leakage, production of rusty water, material defects and workmanship (PV903A)<sup>1</sup>
- First Year Limited Service Policy (PV551)<sup>1</sup>

<sup>1</sup>See complete warranty and service policy for full details  
PVI reserves the right to change the design and specification without notice.

<sup>2</sup>Protocol conversion to BACnet IP or LonWorks requires field supplied and field installed router or gateway.

## Codes and Standards

- DOE Compliance Certification Database
- Intertek / ETL listed
  - ANSI Z21.10.3 / CSA 4.3
  - PVC, CPVC or Centrotherm InnoFlue SW Polypropylene Category IV vent material
  - NSF-372 lead-free
- ASHRAE 90.1 compliant

## Miscellaneous

- Condensate "P" trap (provided for field installation)
- Factory authorized startup

## Optional Equipment

- Long-life service policy (PV559)<sup>1</sup>
- CSD-1 control (adds low gas pressure switch)
- The unit comes standard with a gas valve equipped with a Zero Governor, which functions as the high gas pressure switch
- Propane operation (consult factory)
- Dual gas trains for natural gas and propane (consult factory)
- Condensate neutralization system (PN 150772)
- Installation kit (PN 143404)



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