

POWER VTX® - CONDENSING GAS WATER HEATER

AquaPLEX® STORAGE TANK (DUPLIX 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 diagnostics with event history
 - Alarm with remote contacts
 - Visual modulation rate
 - Manual-reset temperature limiting device
 - Modbus RTU (RS-485)
 - BACnet MSTP (RS-485) ②
- 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) ①**
- First-year service policy (PV551) ①
Conditions exist outside of the continental United States

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 FEATURES AND EQUIPMENT

- Long-life service policy (PV559) ①
Conditions exist outside of the continental United States

OPTIONAL EQUIPMENT (factory installed)

- CSD-1 controls (adds high and low gas pressure switches)
- Propane operation (consult factory)
- Dual gas trains for natural gas and propane (consult factory)

OPTIONAL EQUIPMENT (field installed)

- Condensate neutralization system (PN 150772)
- Installation kit (PN 143404)

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

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



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