POWER VTX® • CONDENSING GAS WATER HEATER
AquaPLEX® STORAGE TANK (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 diagnostics with event history
  - Alarm with remote contacts
  - Visual modulation rate
  - Manual-reset temperature limiting device
  - Modbus RTU (RS-485)
  - BACnet MSTP (RS-485)
- 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)
- First-year service policy (PV551) 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) Conditions exist outside of the continental United States

OPTIONAL EQUIPMENT (factory installed)
- CSD-T 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)

- See complete warranty and service policy for full details
  PVI reserves the right to change the design and specification without notice.
- Protocol conversion to BACnet IP or LonWorks requires field supplied and field installed router or gateway.