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)

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-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)

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.