STANDARD FEATURES AND EQUIPMENT

PERFORMANCE
- 95% thermal efficiency
  (per 10 CFR 431: ANSI Z21.10.3 @ 70°F to 140°F)
- Up to 99% thermal efficiency at low fire from 40°F to 140°F
- ASHRAE 90.1 compliant for low standby losses
- Low NOx emissions < 20 ppm NOx

PRESSURE VESSEL
- AquaPLEX® tank (duplex stainless steel)
- Storage tank ASME stamped and National Board
  Registered for 150 psi MAWP
- CSA and ASME rated T&P relief valve
- Fiberglass insulation
- Durable polyethylene jacket (100% recycled material)
- Bottom drain valve

HEAT EXCHANGER
- AquaPLEX® combustion chamber and fire tubes,
  helically-coiled, single pass, 100% submerged

BURNER, OPERATING CONTROLS AND SAFETIES
- Pre-mix surface burner with proportional air/gas control
- 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)
- Electronic low-water cutoff with manual reset and test switch
- Remote on/off terminals
- Seamless modulation
- Louver or power venter relay and proving contacts

MISCELLANEOUS
- Condensate "P" trap (provided for field installation)

WARRANTY
- 15-year tank and heating surfaces warranty covering
  waterside and condensate corrosion, leakage,
  production of rusty water, material defects and
  workmanship (PV903A)
- First Year Limited 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
  - Zero-clearance and combustible floor installation
  - NSF-372 lead-free
  - ASHRAE 90.1 compliant

OPTIONAL EQUIPMENT (factory installed)
- CSD-1 controls (adds high and low gas pressure switches)
- Propane operation (contact your PVI representative)

OPTIONAL FEATURES
- Factory authorized startup

OPTIONAL EQUIPMENT (field installed)
- Condensate neutralization system (PN 146794)

① ②
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.