STANDARD FEATURES AND EQUIPMENT

PERFORMANCE
- 96% thermal efficiency (per 10 CFR 431: ANSI Z21.10.3 @ 70°F to 140°F)

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) ≤1300 MBH
- ASME-rated temperature and pressure relief valves @ 1600 MBH
- Fiberglass insulation
- Coated steel jacket panels
- Tie down anchor points on tank
- Bottom drain valve
- Tank pressure gauge
- Factory assembled pump and piping manifolds between tank and economizer includes press-form fittings (Viega and ProPress)

HEAT EXCHANGER
- Primary: AquaPLEX combustion chamber and copper fire tubes
- Secondary: stainless steel economizer

BURNER, OPERATING CONTROLS AND SAFETIES
- Pre-mix surface burner with zero-governor gas regulator and proportionate gas/air mixture
- 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
  - Manual-reset temperature limiting device
  - Modbus RTU, Bacnet MSTP connectable (RS-485)
  - Electronic low-water cutoff with manual reset and test switch
  - Remote on/off terminals
  - Remote equipment relay and proving contacts (5 amp)
  - Pressure relief valve for Economizer

WARRANTY
- 15-year full tank warranty covering corrosion, leakage, production of rusty water, material defects and workmanship (10 additional years prorated) (PV903A)
- 5-year full primary heat exchanger warranty (PV584)
- 1-year burner and parts warranty (PV536)
- 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 low-lead compliant
  - ASHRAE 90.1 compliant

MISCELLANEOUS
- Condensate “P” trap (provided for field installation)
- Factory authorized startup

FACTORY OPTIONS PACKAGES
- CSD-1 COMPLIANT CONTROLS PACKAGE
  - High and low gas pressure switches

FACTORY INSTALLED INDIVIDUAL OPTIONS
- CSA-rated temperature and pressure relief valve(s) for model prefix 1600.
- Propane operation (consult factory)

OPTIONAL EQUIPMENT (field installed)
- Condensate Neutralization system (up to 1000 MBH PN 140794)
- Condensate Neutralization system (up to 2000 MBH PN 140795)

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

CUSTOM CONFIGURATION
- Consult representative for all additional custom options

PART NUMBER ORDERING SEQUENCE
BASE MODEL# + “PACKAGES” + “OPTIONS”
Example: 130L400ATPX-4A