

# Turbopower® 96 Condensing Gas Water Heater

AquaPLEX® Duplex Stainless Steel

## 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)<sup>1</sup>
- 5-year full primary heat exchanger warranty (PV584)<sup>1</sup>
- 1-year burner and parts warranty (PV536)<sup>1</sup>
- First-year service policy (PV551)<sup>1</sup>

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

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

### 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 Equipment

- Condensate Neutralization system (up to 1000 MBH PN 140794)
- Condensate Neutralization system (up to 2000 MBH PN 140795)
- Consult representative for all additional custom options
- Long-life service policy (PV559)<sup>1</sup>

### Factory Options Packages

- CSD-1 Compliant Control Package
  - Low gas pressure switches
  - The unit comes standard with a gas valve equipped with a Zero Governor, which functions as the high gas pressure switch

### Factory Installed Individual Options

- CSA-rated temperature and pressure relief valve(s) for model prefix 1600
- Propane operation (consult factory)



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