Conquest® Semi-Instantaneous GAS CONDENSING WATER HEATER
AquaPLEX® STORAGE TANK (DUPLEX STAINLESS STEEL)
199 TO 300 MBH

STANDARD FEATURES AND EQUIPMENT

PERFORMANCE
- 95% thermal efficiency (per 10 CFR 431: ANSI Z21.10.3 @ 70°F to 140°F)
- 97% thermal efficiency from 40°F to 140°F
- Low NOx emissions < 20 ppm NOx, SCAQMD compliant
- Equipped for direct combustion air connection
- Vents through PVC, CPVC or Polypropylene

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 heating surfaces, enhanced fire tubes, single pass, 100% submerged

BURNER, OPERATING CONTROLS AND SAFETIES
- Pre-mix surface burner
- ANSI Z21.10.3 compliant gas train
- Electronic operating system with integrated ignition and operating controls
  - Programmable electronic operator with digital temperature readouts, adjustable from 80°F to 180°F
  - Plain text heater status and fault indication with fault 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
- Louver or power venter relay and proving contacts

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
  - NSF-5
  - ASHRAE 90.1 compliant

MISCELLANEOUS
- Condensate “P” trap

OPTIONAL EQUIPMENT (factory installed)
- Propane operation (consult factory)

OPTIONAL FEATURES
- Factory-authorized startup

OPTIONAL EQUIPMENT (field installed)
- Condensate neutralization system (PN 150868)
- Pigtail kit for 120V plug-in power cord, 14/3 AWG, 12 ft. length (PN 122042)
- Concentric vent kit (PN 124574 for 3" PVC)
  (PN 127319 for 3" CPVC)
- Parts kit (consult factory)
- Installation kit (PN 143402)

¶ See complete warranty and service policy for full details
PVI reserves the right to change the design and specification without notice.

Ⅱ Protocol conversion to BACnet IP or LonWorks requires field supplied and field installed router or gateway.