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 140793)
- 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.

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