

POWER VT® PLUS GAS • CONDENSING WATER HEATER
AquaPLEX® STORAGE TANK (DUPLIX STAINLESS STEEL)
1000 to 2000 MBH • 250 and 300 Gallons Storage

STANDARD FEATURES AND EQUIPMENT

PERFORMANCE

- 96% thermal efficiency (per 10 CFR 431: ANSI Z21.10.3 @ 70°F to 140°F)
- 98% thermal efficiency at low fire from 40°F to 140°F
- < 20 ppm NOx

PRESSURE VESSEL

- AquaPLEX® tank (duplex stainless steel)
- Storage tank ASME stamped and National Board Registered for 150 psi MAWP
- Nonferrous, removable fittings at all tank connections
- ASME-rated temperature and pressure relief valve
- Pressure relief valve
- Inspection opening /cleanout
- Fiberglass insulation
- Coated steel jacket panels
- Drain valve
- Tie down anchor points on tank
- Tank pressure gauge

HEAT EXCHANGER

- Three-pass, fire tube design
- AquaPLEX® fire tubes
- Secondary economizer for low temperature flue gas
- Domestic water piping assembly includes press-form fittings (Viega® ProPress®)

BURNER, OPERATING CONTROLS AND SAFETIES

- Pre-mix surface burner with proportionate gas/air
- Electronic flame safeguard with pre- and post-purge
- Combustion sequence panel lights including lockout
- Programmable electronic operating control with digital temperature readouts, adjustable from 75°F to 180°F
- Immersion temperature limiting device (high limit control)
- Terminals for remote on-off
- Flame failure audible alarm and indicating light with remote contacts
- Seamless VFD modulation

WARRANTY AND SERVICE POLICY

- 15-year tank warranty (PV903A) ①
- 1-year burner and parts warranty (PV536) ①
- First-year cost-free service policy (PV551) ①
Conditions exist outside of the continental United States

CODES AND STANDARDS

- Intertek / ETL listed:
 - UL 795 / CSA CAN1-3.1
 - CPVC Category IV vent material and listed Polypropylene venting systems
 - NSF 372 lead-free
- ASHRAE 90.1 compliant

MISCELLANEOUS

- Factory authorized startup
- Vent termination cap for inlet air pipe, 6-inch diameter
- Condensate “P” trap (provided for field installation)
- Combustion air filter and direct inlet air connection

① See complete warranties and service policies for full details.

PVI reserves the right to change the design and specification without notice.



FACTORY OPTIONS PACKAGES

1 ACCESSORIES PACKAGE

- Electronic low-water cutoff (auto reset)
- High temperature limit (manual reset)
- Relay and proving terminal for remote equipment

3 ALARM and COMMUNICATIONS PACKAGE

- Alarm on any failure functionality with switched contacts for remote notification
- 95dB local audible alarm with silencing switch
- 485 serial cable to connect electronic operator to BAS (Modbus RTU)

4 CSD-1 COMPLIANT CONTROLS PACKAGE

Includes the “Accessories” Package

- Test and manual-reset function for low-water cutoff
- Non-recycle, single-try ignition
- High and low gas pressure switches

FACTORY INSTALLED INDIVIDUAL OPTIONS

A CSA-rated temperature and pressure relief valve(s)

N Celsius functionality for operating control

FIELD INSTALLED OPTIONS

Protocol gateways (consult factory)

Bacnet IP Bacnet MSTP

Condensate neutralization kit ((PN 140794 for 1000MBH; PN140795 for 1500-2000 MBH)

OPTIONAL SERVICE POLICY

Long-life service policy (PV559) ①

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CUSTOM CONFIGURATION

Consult representative for additional custom options

PART NUMBER ORDERING SEQUENCE

BASE MODEL# + “PACKAGES” + “OPTIONS”

Example: **150 LX 250APVIF-13A**



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