

POWER VT® PLUS GAS - CONDENSING WATER HEATER

AquaPLEX® STORAGE TANK (DUPLEX 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
- Inspection opening /cleanout
- Fiberglass insulation
- Coated steel jacket panels
- Drain valve
- 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

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, 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.

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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 Lonworks

Condensate neutralization kit (PN 140795)

Vent termination caps (larger than standard)

OPTIONAL SERVICE POLICY

Long-life service policy (PV559) ①

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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