

Durawatt® Electric Packaged Water Heater

AquaPLEX® Duplex Stainless Steel

Standard Features and Equipment

Pressure Vessel

- AquaPLEX tank (unlined duplex stainless steel)
- ASME stamped and National Board Registered for 150 psi Maximum Allowable Working Pressure
- Nonferrous, removable fittings at all tank connections
- ASME-rated temperature and pressure relief valve
- 12x16 manway access on 300 gallon tank series and larger, removable top head ≤ 250 gallons
- Non-ferrous, removable tank fittings
- Fiberglass insulation and coated steel jacket panels
- Bottom drain valve
- Tie down anchor points on tank
- Lifting lugs

Heating Elements

- Heavy-duty Incoloy® heating elements rated at 40 Watts per square inch heat density up to 370 prefix. Prefixes above 370 require 80 Watts per square inch heat density

Electrical Circuitry

- Supply voltages available: 208V, 3Ø ; 240V, 1Ø ; 240V, 3Ø ; 380V, 3Ø ; 480V, 3Ø ; 600V, 3Ø
- 120V control circuit via supplied transformer
- Fused magnetic contactors for each power circuit (50 amp maximum per circuit on 3Ø units)
- Control circuit switch, fuse and pilot light
- Remote on-off terminals
- Safety door interlock

Operating and Safety Controls

- Programmable electronic operating control with digital temperature readouts
- Immersion high-temperature limit
- Electronic low-water cutoff with test and reset

Warranty and Service Policy

- 25-year tank warranty (PV901)¹
- 1-year electric element warranty (PV535)¹
- 1-year cost-free service policy (PV551)¹
- Conditions exist outside of the continental United States

Codes and Standards

- Intertek/ETL listed
 - UL1453 / CAN/CSA-C22.2 No. 110-94
 - NSF 372 lead free
- ASHRAE 90.1 compliant

Miscellaneous

- Factory authorized startup (available on most models check with PVI representative for details)

Factory Options Packages

3 Alarm and Communications Package

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

Factory Installed Individual Options

- A** CSA-rated temperature and pressure relief valve(s)
- E** Water pressure gauge on drain piping
- F** Electronic proportional sequencer with indicating lights (72kW and higher)
- N** Celsius functionality for operating control

Field Installed Options

(Ordered as a line item)

- ☐ Protocol gateways (Available with Option Package 3)
 - ☐ Bacnet IP ☐ Bacnet MSTP
- ☐ Installation kit (PN 143405)

Optional Service Policy

Long-life service policy (PV559)¹

Conditions exist outside of the continental United States

Custom Configuration

Consult representative for additional custom options

Part Number Sequence

Base Model# + "Packages" + "Options" + "Voltage/Phase"

Example: 370 L 250AVE-3AE480V3



¹See complete warranty and service policy for full details

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



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Hot Water Solutions

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