

DURAWATT® ELECTRIC PACKAGED WATER HEATER with AquaPLEX® Storage Tank



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, only on 380V and higher)
- 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 temperature limiting device (high limit)
- Electronic low water cutoff

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)

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

- Test/reset function for electronic low-water cutoff
- High temperature limit (manual reset)

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)
- M** 120V control circuit transformer for 208V or 240V 3Ø supply
- 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 Lonworks
- 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-13AE480V3**

