

EZ PLATE® STORAGE WATER HEATER

Double-wall, Brazed Plate, Packaged Water Heater and Storage Tank

Energy Source: Boiler Water



STANDARD FEATURES and EQUIPMENT

HEAT ENGINE

- ASME Section VIII, Div. 1 stamped and National Board Registered for 362 psi maximum allowable working pressure
- Counter-flow, double-wall 316L stainless steel brazed plate with enhanced plates for improved heat transfer
- Factory-assembled copper, brass and bronze waterside piping, valves and fittings (*includes press-form fittings (Viega® ProPress®)*)
- ASME-rated pressure relief valve
- Clean in place valves for heat exchanger
- Bronze Y-strainer with blow down valve on domestic water to the heat exchanger
- Bronze circulating pump
- Heavy duty steel stand with durable powder-coated finish
- Dual heat exchanger product comes standard with selection switches

PRESSURE VESSEL

- AquaPLEX® tank (unlined duplex alloy)
- ASME Section IV, HLW stamped and National Board Registered for 150 psi maximum allowable working pressure
- ASME rated temperature and pressure relief valve(s)
- Non-ferrous, removable tank fittings
- Manway tank access (250 gallon and larger tanks)
- Fiberglass insulation
- Coated steel jacket panels
- Bottom drain valve
- Tie down anchor points on tank
- Lifting lugs

OPERATING CONTROLS AND SAFETIES

- Programmable electronic operating control with digital temperature readouts
- Immersion temperature limiting device (high limit control)
- Terminals for remote on-off

WARRANTY and SERVICE POLICY

- 25-year tank warranty (PV901) ①
- 18-month heat exchanger warranty against thermal shock, material or manufacturing defect (PV8465B) ①
- 1-year cost-free service policy (PV551) ①

CODES AND STANDARDS

- ASHRAE 90.1 compliant
- Compliant with EPA lead-free requirements

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 with test/reset function
- High temperature limit (manual reset)
- Relay terminals for remote equipment

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

5 BOILER WATER VALVE PACKAGE (200 psig, 220°F maximum)

- 2-way on-off boiler water control valve with y-strainer

FACTORY INSTALLED INDIVIDUAL OPTIONS

- A** CSA-rated temperature and pressure relief valve(s)
- E** Water pressure gauge on drain piping
- N** Celsius functionality for operating control

FIELD INSTALLED OPTIONS (Ordered as a line item)

- Boiler water temperature and pressure gauge on inlet and outlet (PN 128517)
- Y-strainer with blow down valve on boiler water inlet

| Input | PN |
|------------------|--------|
| 600 | 128452 |
| 900, 1200 | 128453 |
| 1800 | 128454 |
| 2400, 3000, 3600 | 128455 |
| 4500, 5400 | 128456 |

- Protocol gateways (consult factory)
 - Bacnet IP Bacnet MSTP Lonworks

OPTIONAL SERVICE POLICY

Long-life service policy (PV559) ①

CUSTOM CONFIGURATION

Consult representative for all additional custom options

PART NUMBER ORDERING SEQUENCE

BASE MODEL# + "PACKAGES" + "OPTIONS"

Example: 5400 L 300 ATRBPDW-13AE



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