

QuickDraw® Steam Storage

Hot Water Generator with AquaPLEX® Duplex Stainless Steel 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
- ASME-rated temperature and pressure relief valve
- 23" diameter tank access
- Non-ferrous, removable tank fittings (low lead)
- Fiberglass insulation and coated steel jacket panels
- Bottom drain valve
- Tie down anchor points on tank
- Lifting lugs
- Water pressure gauge on drain piping

Heat Exchanger

- ASME Stamped single-wall or double-wall copper u-tube heat exchanger with nonferrous tube supports and waterside tube sheet
- Tank side pressure rating: 150psi
- Tube side ratings: Double-wall 150 psi @ 375°F < prefix 2650
Double-wall 125 psi @ 375°F ≥ prefix 2650
Single-wall 150 psi @ 300°F < prefix 3790
Single-wall 125 psi @ 300°F ≥ prefix 3790

Operating Controls and Safeties

- Pilot-operated, solenoid inlet steam valve(s) with built-in single solenoid safety system (when purchased with steam control valve)
- Programmable electronic operating control with digital temperature readouts
- Float and thermostatic steam trap (shipped loose)
- Auxiliary steam trap for inlet steam (shipped loose)
- Immersion temperature limiting device (high limit)
- Terminals for remote on-off control

Warranty

- 25-year tank warranty (PV901)¹
 - 1-year U-tube heat exchanger warranty (PV 533)¹
 - 1-year cost-free service policy (PV 551)¹
- Conditions exist outside of the continental United States

Codes and Standards

- Intertek/ETL listed: UL 795 / CSA CAN1-3.1
NSF 372 lead free
- ASHRAE 90.1 compliant

Miscellaneous

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

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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Factory Options Packages

1. Accessories Package

- Electronic low water cutoff with test and reset
- Manual reset immersion temperature limiting device
- Remote equipment dry contacts

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 Options Packages

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

G. Double-solenoid safety system

H. Intra-tank circulator (includes press-form fittings (Viega® ProPress®))

N. Celsius functionality for operating control

Field Installed Options

(Ordered as a line item)

- Y-strainer for inlet steam (consult factory)
- Steam trap, float and thermostatic type upstream of steam valve (consult factory)
- Steam pressure gauge
 - < 30 psig (PN 128502)
 - ≥ 30 psig (PN 128503)
- Protocol gateways (consult factory)
 - Bacnet IP Bacnet MSTP

Optional Service Policy

Long-life service policy (PV559)¹

Conditions exist outside of the continental United States

Custom Configuration

Consult representative for all additional custom options

Model Number Sequence

Base Model # + "Packages" + "Options" + "Steam Pressure"

Example: 830 L 250AQSD-3AG-15



Hot Water Solutions

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