

QuickDraw® Steam Semi-Instantaneous

AquaPLEX® Duplex Stainless Steel Storage Tank

Standard Features and Equipment

Pressure Vessel

- AquaPLEX tank (unlined duplex alloy)
- Vessel ASME stamped and National Board Registered for 150psi maximum allowable working pressure
- ASME-rated temperature and pressure relief valves(s)
- Nonferrous, removable fittings at all tank connections
- Fiberglass insulation
- Coated steel jacket panels
- Drain valve
- Tie down anchor points on tank
- Lifting lugs

Heat Exchanger

- ASME Stamped single-wall or double-wall, copper u-tube heat exchanger with nonferrous tube supports and waterside tubesheet
- Tank side pressure rating: 150 psi
- Tube side ratings: Double-wall 150psi @ 375°F
Single-wall 150psi @ 300°F

Operating Controls and Safeties

- Pilot-operated, solenoid inlet steam valve(s) with built-in single solenoid safety system (when purchased with steam control valve)
- Intra-tank circulator, 1/25hp, 120V, 3/4 amp (includes press-form fittings (Viega® ProPress®))
- Electronic temperature control with LED readout, adjustable 85° to 180°F
- Immersion temperature limiting device (high limit control)
- Terminals for remote on-off control
- Float and thermostatic steam trap (shipped loose)
- Additional thermostatic trap for high air purging capacity (shipped loose)
- Water pressure gauge

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

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 / 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



Factory Options Packages

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

G. Double-solenoid safety system

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: 40 L 5AISD-**3G**-**15**



Hot Water Solutions

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