

Cobrex® Storage-Steam

AquaPLEX® Duplex Stainless Steel



Standard Features and Equipment

Performance

- Domestic water up to 185° using 5 to 125 psi steam (steam pressure above 15 psi requires an optional field installed steam pressure regulating valve)

Pressure Vessel

- AquaPLEX tank (unlined duplex stainless steel)
- ASME stamped and National Board Registered for 150 psi maximum allowable working pressure
- Nonferrous, removable tank fittings
- 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
- 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

Heat Exchanger

- 100% copper shell-and-tube, counter-flow, double wall heat exchanger with enhanced copper tubing for improved heat transfer
- ASME Section VIII, Div. 1 stamped and National Board Registered for 150psi maximum allowable working pressure
- Factory-assembled copper, brass and bronze waterside piping, valves and fittings (includes press-form fittings (Viega® ProPress®)) Waterside isolation valves standard
- Float and thermostatic trap(s)
- Clean-in-place valves
- Bronze Y-strainer with blow down valve on domestic water to the heat exchanger
- Bronze circulating pump(s)
- Dual heat exchanger product comes standard with selection switches

Operating and Safety Controls

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

Warranty and Service Policy

- 25-year tank warranty (PV901)¹
- 3-year heat exchanger warranty (PV8432)¹
- 1-year cost-free service policy (PV551)¹
- Conditions exist outside of the continental United States

Codes and Standards

- Intertek/ETL listed
 - NSF 372 lead free
- ASHRAE 90.1 compliant

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 Installed Individual Options

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

Field Installed Options

(Ordered as a line item)

- Steam pressure regulating valve and pilot for supply Steam pressures greater than 15 psi (125 psi max) (consult factory)
- Y-strainer for supply steam (consult factory)
- Steam pressure gauge
 - < 30 psig (PN 128502)
 - ≥ 30 psig (PN 128503)
- Auxiliary steam trap for supply steam, maximum 15 psi (PN 68466)
- Potable water inlet temperature gauge (PN 78396)
- Protocol gateways (consult factory)
 - Bacnet MSTP
- Common Steam Header Manifold and Isolation Valves for Dual Heat Exchanger models:
 - Steam Header 3 x 3 x 4 for Config 4 (PN 151607)
 - Steam Header 3 x 3 x 6 for Config 6 (PN 151608)
 - 3" Gate valve for Steam Isolation (PN 105272)
 - Kit, Bolt nut gasket 3" for Isolation valve (PN 151731)

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" + "Steam Pressure"

Example: 1800 L 250 ATCX-13AE-15

¹See complete warranty and service policy for full details

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



Hot Water Solutions

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