

COBREX® STORAGE - STEAM

Double-wall, Packaged with AquaPLEX® Storage Tank



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 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

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®)*). Isolation valves standard on dual heat exchanger models
- 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, common steam header manifold, and steam isolation valves

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
- 3-year heat exchanger warranty (PV8432) 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

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 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" + "STEAM PRESSURE"
 Example: 1800 L 250 ATCX-13AE-15



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