

# CSX® INSTANTANEOUS

## Instantaneous Blend-down Steam to Water Heater

### STANDARD FEATURES and EQUIPMENT

#### PERFORMANCE

Provides 120°, 140°, or 160°F outlet temperature utilizing 5 to 150 psi steam (Steam pressures above 15 psi require field installed steam pressure regulating valve)

#### HEAT EXCHANGER

- Fully passivated, 316L stainless steel, single-wall, shell-and-tube heat exchanger with helical, corrugated, 316 L tubing, 100% counter-flow
- ASME stamped for 150 psi
- Fully assembled non-ferrous waterside piping including threaded clean-in-place fittings (no valve or piping disassembly when cleaning the waterside of the exchanger)
- Factory ready for connection to the building domestic water recirculation piping

#### OPERATING CONTROLS AND SAFETIES

- ASME pressure relief valve
- Float and thermostatic condensate trap
- Dual independent, self-contained thermostatic temperature control valves
- Over-temperature solenoid shutoff valve
- Dual independent temperature limiting devices (high limit controls)
- Temperature gauge at hot water outlet
- Intra-skid circulator on 140°F and 160°F models
- Heavy-duty steel stand with durable powder-coated finish
- Steam isolation valves standard on dual heat exchanger models

#### WARRANTY and SERVICE POLICY

- 1-year heat exchanger warranty (PV579) ①
- First-year service policy (PV551) ①  
Conditions exist outside of the continental United States

#### CODES AND STANDARDS

- Intertek / ETL listed NSF372 lead-free

① See complete warranties and service policies for full details.

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

Application Note: This 316L stainless steel heat exchanger should not be applied in water systems with chloride levels at or above 70 ppm. Chloride levels can be obtained from the local water supply company. In addition, a regular maintenance schedule for inspection and removal of lime scale deposits is recommended.



### FACTORY OPTIONS PACKAGES

- 2** ELECTRONIC TEMPERATURE MONITOR PACKAGE
  - Electronic temperature monitor with LED readout
  - Local alarm
  - 485 serial cable to connect electronic operator to BAS (Modbus RTU)

### FACTORY INSTALLED INDIVIDUAL OPTIONS

- K** Intra-skid circulator on 120°F models
- L** Condensate subcooler system with failed trap protection

### FIELD INSTALLED OPTIONS (Ordered as a line item)

- Steam pressure regulating valve and pilot for supply steam pressures  $\geq 16$  to 150 psi (*consult rep for PN*)
- Y-strainer for supply steam (*consult rep for PN*)
- Steam pressure gauge
  - $< 30$  psig (PN 128502)
  - $\geq 30$  psig (PN 128503)
- Water pressure gauge (PN 75085)  
(PN 146456 for 160°F models)
- Inlet water temperature gauge (PN 78396)
- Auxiliary condensate trap for supply steam (PN 68466)

### CUSTOM CONFIGURATION

Consult representative for all additional custom options

**PART NUMBER NUMBERING SEQUENCE**  
**BASE MODEL# + "PACKAGES" + "OPTIONS"**  
Example: **CSX 140 20 15-2L**



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