

Vat Pasteurization Controls System

The Vat System includes 3 main components – The AJ300 2 Pen Recorder, the CT8V Dual Element Product Sensor and the CT8V Dual Element Air Space Sensor.

The AJ300 displays the product temperature on the left display and records the product temperature with the red pen. The AJ300 also displays the airspace temperature on the right display and records the airspace temperature with the green pen.

The CT8V Product Sensor provides local display of product temperature on sensor housing as well as outputting the product temperature signal to the AJ recorder. The CT8V Air Space sensor provides local display of air space temperature on the sensor housing as well as outputting the air space temperature signal to the AJ recorder.

Both CT8V sensors contain dual resistance temperature detector RTD elements with one RTD providing the signal to display on the sensor housing and the second RTD providing the signal to the AJ recorder – The individual RTD circuits are independent which allows the CT8V displays to be used as the Legal Reference Temperature for the system. Prior to beginning the hold time for product pasteurization, the recording pens are compared to these displays.

The RED LED displays on the door of the recorder are for operator reference ONLY, and are not viewed by regulatory.

All CT8V sensor displays are equipped with 1 decimal position as a legal requirement. The AJ300 recorder can be programmed with or without a decimal as desired.

The AJ300 chart range and rotation are programmable. The legal chart ranges for vat pasteurization are as follows:

- Part number 00215307 90-190 12hr (Std °F range) – This chart has 1°F divisions
- Part number 00215303 0-200 24hr (If pasteurization is above 160°F) – This chart has 2°F divisions
- Part number 00215357 30-90 12hr (Std °C range)

