



warmwatch option

for fluid warming cabinets





Pedigos' injection/irrigation fluid warmers now offer an option with two new features that ensure even greater temperature accuracy and significant labor savings - the WarmWatch option.

Continuous Temperature Verification

Pedigo fluid warmers that are equipped with the optional WarmWatch package feature a continuous temperature monitoring system that provides users instant visual confirmation of the chamber temperature. In addition to the standard control probe, an independent monitoring probe located very close to the control probe verifies that the chamber reaches and maintains the set-point temperature with $\pm 0/-1.1^{\circ}\text{C}$ ($\pm 0/-2^{\circ}\text{F}$) accuracy from 37 – 40°C (98 – 104°F) and $\pm 0/-1.7^{\circ}\text{C}$ ($\pm 0/-3^{\circ}\text{F}$) accuracy above 40 – 66°C (104 – 150°F). Two independent LED displays on the control panel show the set-point and actual interior temperature at a glance.

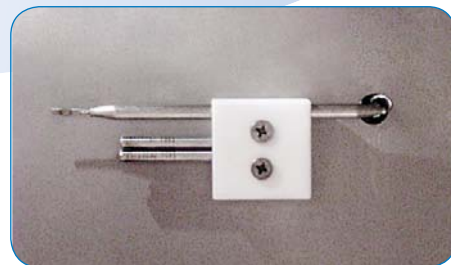
(The chambers are designed not to exceed the set-point temperature, thus the nominal actual temperature will always be one to one-and-a-half degrees lower than the set-point temperature.)

Digital Documentation

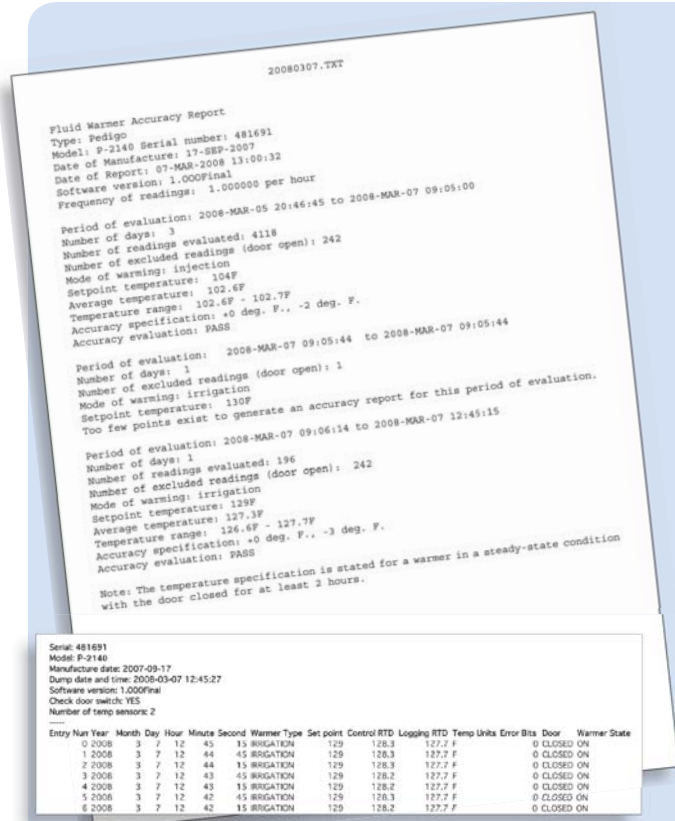
In addition to continuous temperature monitoring, the WarmWatch option provides digital documentation of the warmer's historical temperature performance data. This offers significant advantages over manually recording temperature set-points or control probe displays since these values are not independently obtained, and do not verify the actual chamber temperature. The independent monitoring probe in this option ensures that the actual chamber temperature is recorded. Automatic collection also ensures consistent data samples.

This recorded data can be downloaded to a USB flash drive and then to a computer at any desired time interval—up to six months between downloads. Normal warming functions continue to operate while the data is downloading. The data

download to the USB drive includes both historical temperature information and a detailed performance summary for the warmer. These reports provide convenient and reliable data analysis for the life of the warmer.



Hi-limit sensor (top), independent monitoring probe (middle), and control probe (bottom)



Digital Documentation Features

- Stores up to six months of data and displays a warning when the unit approaches its memory limit
- Downloading begins automatically when a USB flash drive is connected to unit
- Accuracy report includes:
 - ✓ Warmer model number, serial number, and date of manufacture
 - ✓ Date of report/download
 - ✓ Software version
 - ✓ Frequency of readings used in evaluation
 - ✓ Dates included in evaluation
 - ✓ Number of days included in report
 - ✓ Number of readings evaluated for accuracy calculation
 - ✓ Number of readings excluded from accuracy calculation due to a door opening within two hours of reading
 - ✓ Mode of fluid warming (injection or irrigation)
 - ✓ Set-point temperature
 - ✓ Average temperature
 - ✓ Temperature range during evaluation time period
 - ✓ Accuracy evaluation indicating whether unit successfully maintained accuracy parameters while set to selected set point
- Raw temperature data reported in a comma-delimited (CSV) file

Continuous Temperature Verification Features

- Temperature monitoring via an independent monitoring probe
- Displays set-point and actual temperature simultaneously

