



Static

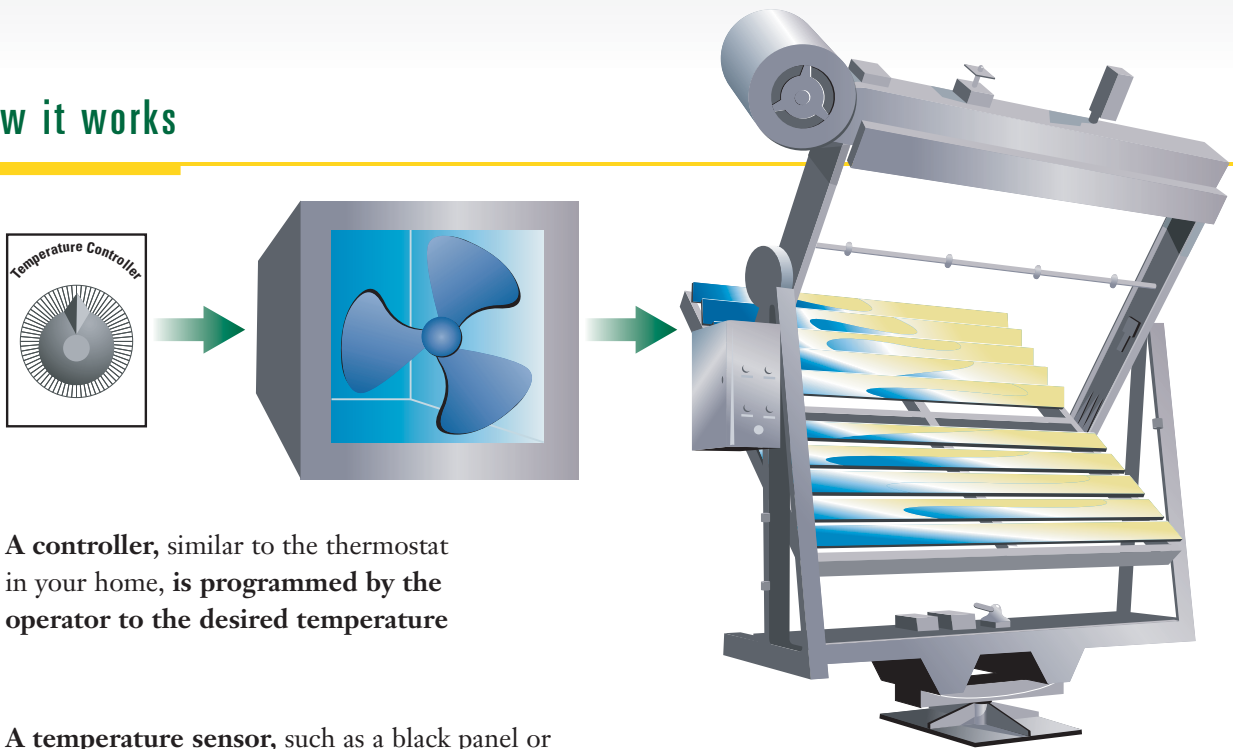
Static Temperature Controlled

EMMA[®], EMMAQUA[®], and EMMAQUA with Nighttime Wetting

Advantages

- The static system helps overcome effects of starting tests at different times of year (winter vs. summer)
- Greatly reduces temperature intermittency effects
- Manages maximum temperatures throughout the test to a user defined set-point
- Increases exposure temperature if desired
- Increases morning and afternoon exposure temperatures
- May improve acceleration factors by increasing thermal degradation
- Can be used in conjunction with standard EMMA or other temperature controlled products

How it works



- A **controller**, similar to the thermostat in your home, is **programmed by the operator to the desired temperature**
- A **temperature sensor**, such as a black panel or a test material with an imbedded thermocouple, is **mounted in the exposure target area**
- The **controller speeds up the cooling blower** if the target temperature sensor is hotter than the “set” temperature or will **slow down the cooling blower** if the target temperature is lower than the “set” temperature
- The **target board exposure maintains the “set” temperature** throughout the day and throughout different seasons
- **Multiple static controlled EMMA devices may be used in conjunction** to vary the desired temperature