



TEMPERATURE CONTROL FOR 200C HEATING BLOCK

This VP 741A Heating Block is designed to operate between 25°C and 200°C.

It has two 400 watt cartridge heating elements that are controlled by a Series SD, Watlow microprocessor-based temperature control. The Series SD Users Manual is at Appendix A and contains detailed instructions for advanced operation. Basic temperature control is set to operate in the range from 25°C to 200°C. To set the desired temperature, simply press either the up or down arrows on the display to increase or decrease the temperature setting (bottom display). If you require more sophisticated control features such as ramping, please let us know and we can provide with a custom solution.

For faster heat transfer it is possible to use water or oil in the heat block cavity. However, please note that no liquid should be allowed to spill out of the plate pocket. This could cause damage to the heating block.

Although the Heat Block will be ready at the temperature indicated on the display the actual temperature of specimens in the microplate wells will be 3°C to 5°C below this temperature. We recommend that you measure the temperature in the wells to determine to appropriate conditions and settings. We also recommend letting the heat block equilibrate for five minutes before heating samples.