

# Autopilot

**Brand:** Hydro-Thermal



## Short Description

The K6 Autopilot, Autopilot Lite, and Co-Pilot are optional add-ons for Hydro-Thermal heaters. Local control panel with inputs for differential pressure transmitter signal, pressure drop set point and system enable (Auto/Manual). Panel is adaptable to new and existing applications. Stand-alone capabilities for heating and Autopilot/Slave to DCS. DCS control options: Digital and Analog signals, Modbus, TCP, Ethernet/IP. Local panel displays for measured pressure drop and combining tube position. Compatible with K611-K616 Hydroheaters. 100% performance warranty. Start-up assistance available.

## Description

**K6 Autopilot** The Hydro-Thermal K6 Autopilot® is an optional feature of the K600 Hydroheater® that will optimize performance and reduce manual operation. It is a highly engineered device that is designed specifically to improve your plant's operation. Heat completely, uniformly, optimally and without local operator intervention. The K6 Autopilot automatically adjusts the Hydroheater's product flow path as process conditions change to maintain a constant pressure drop across the unit. This results in optimized shear, mixing characteristics and more effective starch conversion, leading to lower enzyme usage and higher yields.

**Autopilot Lite** The Autopilot Lite system uses the same mechanical components as the standard Autopilot system with the exception of the control panel with the PLC. This requires the control logic carrying out the control functions, alarms as well as safety measures having to reside in the plant DCS.

**Co-Pilot** The Co-Pilot is a calibration tool that allows convenient electrical position zeroing of the Combining Tube in the maintenance shop environment rather than at the Heater installation site. It simulates the position display of the Autopilot panel which shows 0% at a sensor output current of 4.5 mA. With the Combining Tube at the mechanical zero,

the location of the position sensor on the bracket can now be adjusted to show 0% on the Co-Pilot display. \*K500 Hydroheater can be updated with the K600 Autopilot/Autopilot Lite/Co-Pilot technology. Contact Hydro-Thermal to request an upgrade.