The Hypothermic Control Device for Infants was developed by Karen Sakakeeny, a registered nurse at Boston Children's Hospital Department of Nursing, with assist from the Boston Pediatric Device Consortium.

This Class 1 device assists in rewarming infants following cardiopulmonary bypass surgery for correction of congenital heart defects.

Infants born with heart defects often undergo a medically-induced lowering of their core body temperature (hypothermia) in the course of corrective surgery. Use of hypothermia during these surgeries has been found to be protective and decreases organ damage that is sometimes a side effect of these procedures. Once the surgery is over, restoration of normal body temperature must be carefully managed.

This device assists in the restoration of normal body temperature following surgery.

The device is currently in use at Boston Children's Hospital, with plans for wider distribution underway.