

CONTROL SYSTEM FOR DRIVING FLUIDS THROUGH AN EXTRACORPOREAL BLOOD CIRCUIT

Abstract of the Disclosure

A control deck and system for controlling and driving blood fluids through an extracorporeal blood circuit kit. In one aspect, the invention is a deck having an improved mechanism for securing a cassette in place during treatment operations. The improved deck comprises catches for slidably receiving tabs of the cassette and one or more rotating clamps for locking and securing the cassette in a loaded position. In another aspect the invention is a system for controlling and driving blood fluids having infrared communication abilities to transmit and receive real time data. In still another aspect, the invention is a system for controlling and driving blood fluids having an upright tower design that reduces the footprint of the system. In this embodiment, a centrifuge chamber is positioned in an upper portion of the system while the control deck and photoactivation chamber are located in a base portion of the system.