



The **LivaNova Sorin Stockert 3T** is a heater-cooler that is used during cardiopulmonary bypass. The System is used to help regulate the patient's blood during cardiac, vascular, and transplant procedures. The Stockert 3T system can work independently from the water supply in an operating room. It comes with three different water tanks that control the warming and cooling cardioplegias along with the patient temperature. Each one of these is on its own separate circuit and can be run simultaneously. The Sorin Stockert heating and cooling of the system runs off of one circuit while the patient temperature runs off of two circuits. The water in the LivaNova 3T does not come in contact with the patient's or the patient's blood during a procedure.

At the end of a procedure, the water can be drained out of the heat exchange, and the tubing to help with clean up.

## Features

- Short pre-cooling time
- 2 Small volume tanks for warming and Cooling
- Independant safety system to prevent the water temperature from reach critical temperatures
- Two-chamber pumps to minimize the pressure inside the heating chamber
- The Suction of the pumps allows for a smooth emptying of the heating chamber and the tubing



# Specifications

## Dimensions

Height: 33.2 in (975 mm)  
 Width: 19.8 in (500 mm)  
 Depth: 26.8 in (680 mm)  
 Weight: 228.5 lbs (102 kg)

## Operating Conditions

Operating Temperature: 10 °C through 30 °C Note: Cooling performance might be reduced at operating temperatures greater than 25 °C.  
 Relative Humidity: 30% through 75%  
 Operating altitude (atmospheric pressure): 0 ... 2,000 m (700hPa ... 1,060 hPa)

## Storage Conditions

Storage Temperature: -10 °C through 60 °C  
 Relative Humidity: 0% through 80%  
 Atmospheric Pressure: 500 hPa through 1,060 hPa (7.3 psi through 15.4 psi)

## Transport Conditions

Transport Temperature: -10 °C through 60 °C  
 Relative Humidity: 0% through 85%  
 Atmospheric Pressure: 500 hPa through 1,060 hPa (7.3 psi through 15.4 psi)

## Volume and Flow

Minimum level patient tank 4.5 L (11.6 L total tank volume)  
 Maximum level patient tank 6.5 L (13.8 L total tank volume)  
 Water flow patient circuits  
     13.0 - 16.4 liters per minute (circuit outlet)  
     10.8 – 12.6 liters per minute (5 m + 5 m circuit)  
 Water flow cardioplegia circuit  
     7.5 – 9.8 liters per minute (circuit outlet)  
     7.4 – 8.7 liters per minute (5 m + 5 m circuit)  
 Water pressure in patient circuits 0.63 – 0.79 bar  
 Water pressure in cardioplegia circuits 0.65 – 0.72 bar

## Power

Power Needed, VAC: 110/220-240

## Connectors

Number: 6 (3 circuits)

## Alarms

High-temperature fluid limit: Visual, audible  
 Low fluid: Visual, audible

## General

LIQUID USED: Tap water; sterile water  
 Flow L/hr: 15-17 L/min for patient, 9-11 L/min for cardioplegia  
 Flow indicator: Yes  
 Temperature Scale Readout: Celsius  
 Reservoir Number: 3  
 Reservoir Capacity, l: 6 (1.6), 3 (0.8), 3 (0.8)  
 Alarm Silence: Yes

