

# Syringe Heaters, SYR-T8



The Syringe Heaters were designed to heat 60cc (or smaller) syringe barrels of perfusion systems for degassing solutions or maintaining solutions at temperatures above ambient. They can be used, however, with any syringes or containers, or any other object.

Flexible heaters can be wrapped around any size syringes (or any other containers) to keep solutions at temperatures above ambient. The heaters are easy to install and remove. If possible, the heaters should be positioned on the syringes so that the level of solutions remains visible when near the bottom. Multiple heaters can be attached to the same syringe

## Instructions

1. Before connecting to cables, the heater should be wrapped around the syringe barrel and Velcro Tape applied to hold it against the barrel. Two (or more) heaters can be attached to the same syringe.
2. One of the heaters incorporates a temperature sensor to use with any temperature controller: TC-1-100/S, BTC-1-100 or even TC2-80-150.
3. This Heater has a 4-pin connector and should be attached to a cable included with temperature controllers.
4. This heater also provides splitter connector to attach another heater (with 2-pin connectors), and a (color coded) splitter to attach the remaining six heaters.
5. The heaters should be always used in pairs as no power will provided to a single heater.

## Caution

1. At least one extra heater should be attached to the splitter cable coming from the temperature sensing heater.
2. If the temperature sensing heater is not positioned on a syringe, the temperature of the solution can not be controlled properly.
3. Use color coded splitters and matching connectors to attach multiple heaters: 2-pin black connectors are used to attach heaters, and color coded connectors are used to attach splitter cables.