

# Hydronic Bench Heat

## The Bottom Line on Temperature Control



Stuppy knows how to maximize flexibility, efficiency and results in the greenhouse.

### **Grow Better with Hydronic Heat**

Stuppy's Hydronic Bench Heat gives you just what you need in your greenhouse. Efficient, even heat to promote healthy growth, controlled and customizable, bench-by-bench. It's better for plants and better for your budget. And the results speak for themselves: higher seed germination rate, accelerated rooting in young plants, and faster plant growth.

### **Better Plant Quality, Lower Heating Costs**

Hydronic heat works by warming the plant soil instead of warming the whole greenhouse. Here's how: heated water circulates through an arrangement of rubber tubing on the bench, providing radiant heat and bringing the soil to the desired temperature. When heat is directly and evenly distributed at the root zone, plants reach maturity more quickly and have less disease, resulting in higher yield and more profits to you. Bench heat is also more economical than conventional forced-air heating, offering up to 20% in fuel savings. Plus, growers have the flexibility of creating different bench temperature zones in the same growing environment.

### **Partner with Stuppy**

Stuppy knows greenhouse growing, and our design team is ready to work with you to customize the Hydronic Heating System you need, to spec. The system comes with all the equipment needed for a complete bench heating system; from the heat source, piping and water treatment, to a digital controller and EPDM bench tubing material. Let us help you elevate your growing operation and get the results you need.





## MADE IN THE USA

Stuppy Hydronic Bench Heat is engineered and manufactured right here in the USA.



## Stuppy Hydronic Bench Heat

- **Rubber Tubing:** High-quality EPDM rubber tubing set on 2-inch centers and resistant to ozone, chemicals, fertilizers, and soil temperature. Ideal for use in a hot water heating system due to its resistance to temperature and chemicals and its superior heat transfer capabilities.
- **Tube design:** Reduces water volume and enables the system to respond quickly and efficiently.
- **Manifolds:** 1-inch manifolds with plastic adapters pressed fit into SCH 80 PVC pipe to the width of the bench.
- **Ridged plastic spacers:** Spaced every inch to hold tube in place. Spacers can be cut to bench width of up to 8 feet wide.

## Stuppy Hydronic Heating System

The Hydronic Heating System is a rubber tube system using 135°F water temperature, and will consist of the following components:

- Piping
- EPDM tubing
- Power wire
- Bench heating material
- Air & water controls
- Manifold
- System pump
- Spacers
- Electronic controller with built-in digital display
- Easy-to-follow instructions and drawings, drafted in-house
- Water treatment
- Compatible boiler or growers-supplied hot water heater (if less than 450 sq ft)

Good to know.

**Stuppy**  
GREENHOUSE

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