

Greenhouse Heating Systems

Delta T Solutions engineers, installs and services complete hydronic heating systems for commercial, institutional and residential greenhouses.

► **Grow Healthy Plants More Sustainably**

Our hydronic heating systems minimize costs while maximizing heating efficiency. Whether you're growing crops in a field or under greenhouse cover, rooting and plant growth is accelerated by controlling the soil temperature. Heating plants at their base is a sustainable heating solution that results in constant temperatures, better plant quality, less disease and more economical heating costs.

► **Trusted Service, Proven Results**

Nobody knows the greenhouse environment better than Delta T Solutions, with our years of dedicated HVAC experience. We design, install and service a wide array of packaged systems that can save you time, money and mistakes. We also work closely with our customers to deliver the flexibility you need.

► **Solutions For Every Growing System**

- EPDM rubber tube bench-top heating
- EPDM rubber tube in-ground heating
- High density polyethylene concrete floor heating
- Twin-fin aluminum tube heating
- Multi-fin aluminum tube heating
- Hot water boilers
- Heat exchangers
- Warm water irrigation
- Stainless steel gas-fired heaters





Hot Water Heating Systems

Delta T hot water heating systems use the physics of heat to efficiently grow plants. Placing heat provides a more constant temperature, resulting in better plant quality, reduced heating costs and more sustainable energy use.

Delta Tube™ SD

This system provides the best environment for young plants and general growing. Healthy, uniform plants and at least 20% fuel savings make this system the grower's choice. It uses Delta T quality synthetic tubing that will not break down under ultraviolet rays.



Delta Tube™ LD

Large diameter EPDM rubber tube in-ground heating system is ideal for larger ranges, with savings of more than 20% over conventional forced air heating. It uses Delta T high quality synthetic tubing that will not break down under ultraviolet rays.



Delta Tube™ HD

The Delta Tube HD is a high density polyethylene floor heating system ideal for heating warehouses, retail areas, potting areas, and greenhouses. It installs easily, keeping tubes out of the way, and it is great for areas where run-off is a concern. Special manifolds are concealed in a 2' x 3' box in the floor.



Delta Tube™ PEX

We also supply Delta Tube PEX and PEX with O2 barrier, which are crossed link polyethylene materials used for radiant concrete floors in the institutional and retail nursery/garden center markets. O2 barrier material is used when required by local code to reduce oxygen infiltration to less than 1%. Tubing is installed in concrete during pour and used to heat concrete as a radiant surface.



Delta-Fin™ TF 1 & 2

Heating the greenhouse from below the bench, this system allows for maximum temperature control and accelerated plant growth. Proven effective by many of the largest plug growers in the country, the reduced BTUs per foot and added material result in even heat being transmitted to plants. Delta-Fin TF 1 & 2 offers low water volume, high efficiency, aluminum construction, with no rusting and longer product life.



Delta-Fin™ Multi Fin

The grower's choice for uniform convention heating, it is constructed of aluminum to dissipate heat quickly, resulting in energy savings. The external surface of 100 linear feet of 2-inch Delta-Fin is approximately the same as 844 feet of 2-inch pipe to produce the same amount of heat. Its high BTU output means you need fewer units. Unique fittings make it easy to install and its simple design offers easy maintenance and parts replacement. Available to 2" and 1-1/4" with stock length of 12".



GF Shield Heaters

With their 5-year warranty, Shield gas-fired heaters have 2 1/2 times the warranty of the competition, making them a longer-lasting, more durable, and more reliable source of safe, efficient, and economical heating.

The GF Heater offers stainless steel construction to withstand moisture and chemicals, a tubular heat exchanger for significantly longer life, 80% thermal (combustion) efficiency and the highest BTU output of any gas-fired heater.



RBI Boilers

Our low-mass RBI boilers are the perfect choice for hydronic heating, with high quality construction, quiet operation and energy efficiency as high as 98%. These boilers are built to provide long life and ease of service.

