

Delta T Solutions

DELTA T BOILER GAS FIRED HOT WATER BOILERS

Delta T Solutions copper finned tube hot water boilers are designed specifically for today's greenhouse heating systems, with versatility, reliability, efficiency, and serviceability as the principal points of design.

- **Full Line**
26 model sizes 32,000-4,000,000 BTUH.
- **Energy Efficient**
AGA Certified 82%. AFUE sizes 84%.
- **Versatility**
Indoor models — all sizes. Outdoor models — 180,000 to 1,800,000.
- **Advanced Controls**
Mechanical modulation sizes to 500,000. Four stage, sizes 500,000 to 4,000,000. Designed to be used with environmental computer control.
- **No Thermal Shock**
Up to 150°F temperature difference.
- **Reliability**
Over 40 years of experience with copper finned tube boiler designs.
- **Emission Standards**
All sizes conform to government standards.
- **Water Content**
Low water content assures that heated water goes immediately into the system.
- **Easy to Install**
Packaged units are ready to install. No assembly work is necessary.
- **Warranty**
20 years against thermal shock.
Five years on the heat exchanger.
- **Non-Condensing**
Water temperature can be as low as 105°. Designed for greenhouse low temperature hot water heating systems.
- **Made In USA**
Components are readily available.

Versatility

Delta T Solutions copper finned tube hot water boilers with 26 sizes to choose from offer the greenhouse grower flexibility in choosing the right system for the job. Plus, being lightweight and compact reduces labor and space for easy installation. Outdoor models available to 1,800,000 BTUH can provide the grower with added growing space.

A unique feature with the Delta T Solutions boiler is the special terminal board specifically designed for connecting to an environmental control system. (Boiler sizes DT-514 to DT-4001).

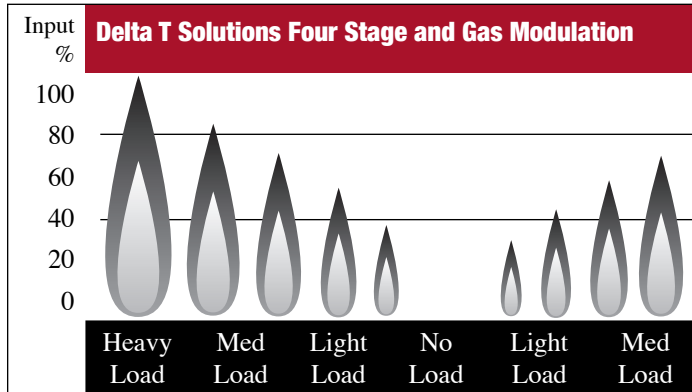
Renowned For Reliability

Design simplicity plus quality materials, carefully assembled, have earned Delta T Solutions boilers an outstanding reputation for reliability. For example, the heat exchanger is a single bank, straight-through design with a floating return header immune to thermal shock. Burners are stainless steel alloy that won't clog or corrode. All metal is rust protected and then a powder coat is applied, melted and fused into a smooth, hard coating in baking ovens. Every detail of construction has been thoroughly field-tested and proved to extend product life as demonstrated by decades of proven performance.



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High Efficiency/Low Operating Costs

Delta T Solutions boilers are the most fuel-efficient atmospheric boilers available - up to 82% thermal efficiency. Their high recovery design can cut fuel costs - as much as 50% compared to low recovery cast iron, steel tube and fire tube boilers - by eliminating standby and radiation losses. Because little water is stored inside, Delta T Solutions boilers fire only on demand and heated water goes directly into the system. On/off cycling required in storage type boilers is eliminated.

Another key factor in lower fuel costs is Delta T Solutions unique four stage and gas modulation. Fuel input is evenly and precisely throttled to any boiler load requirement as low as 20% of the total capacity. Again, inefficient on/off firing and wasteful short cycling, which is typical of on/off fired boilers, is eliminated in a Delta T Solutions boiler.

Delta T Solutions copper finned tube hot water boilers are designed for various greenhouse heating applications, such as Delta Tube low water temperature systems, or the Delta Fin high temperature systems.

Model	Indoor		Outdoor	
	Input	Output	Input	Output
DT-183	186.0	152.5	186.0	149
DT-263	264.0	216	264.0	211
DT-333	333.0	273.1	333.0	266
DT-403	399.0	327	399.0	319
DT-514	511.5	419.4	511.5	419.4
DT-624	627.0	514	627.0	514
DT-824	825.0	595	726.0	595
DT-724	726.0	676.5	825.0	676.5
DT-926	NA	NA	926	759.
DT-962	961.7	788.6	NA	NA
DT-1083	NA	NA	1083	888
DT-1125	1124.7	922	NA	NA
DT-1178	NA	NA	1178	966.0
DT-1223	1222.5	1002.5	NA	NA
DT-1287	NA	NA	1287	1055
DT-1336	1336.6	1096.0	NA	NA
DT-1414	NA	NA	1413	158.5
DT-1468	1467.0	1203	NA	NA
DT-1571	NA	NA	1570	1287
DT-1631	1630.0	1336.6	NA	NA
DT-1758	NA	NA	1758	1441
DT-1826	1825.6	1497.0	NA	NA
DT-2100	2100.0	1722.0	NA	NA
DT-2500	2499.0	2049	NA	NA
DT-3001	3000.0	2460.0	NA	NA
DT-3500	3500.0	2870.0	NA	NA
DT-4001	4000.0	3280.0	NA	NA

Boilers 32,000 to 135,000 are also available.



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