



It's time to dump the old days and the old ways

We no longer use an open flame for heating, cooking or providing light and now its time to use today's technology in preheating pipe in preparation of welding or hydro carbon bake-out.

Hot Coils® versus propane heating of pipe ... check out how they compare

Efficiency: Typically a Tiger Torch or open flame propane heating system is less than 50% efficient. **Hot Coils®** induction heating system is close to 95% efficient. This means that more energy is transferred directly to the area to be heated resulting in quicker more accurate heating of the joint.



Fast Accurate Temperature Control:

Hot Coils® with its adjustable thermostat allows you to preset the desired specified temperature and hold it there until you are ready to weld the joint. With **Hot**

Coils® a typical 4" dia. Schedule 40 pipe at 70° F (21° C) can be brought to a maximum temperature of 550° F (286°C) within 20-minutes. Achieving and maintaining a specified temperature is more difficult and time consuming with propane.

Uniform Heating: Because **Hot Coils®** wrap 360° around the pipe you achieve an even and uniform heat throughout the heating zone. This eliminates "Cold Spots" associated with propane heating in difficult to reach hard to heat areas. **Hot Coils®** allow you to stay on specification throughout the entire joint area every time!

Use Anywhere: Unlike restrictions placed on using open flame heating systems on some job-sites, **Hot Coils®** can be used anywhere you can plug into a 110 volt 15 amp service.



Clean Operation: Operated by clean electrical energy *Hot Coils®* eliminate the dangers of open flame, explosive gasses and high heat hazards associated with propane. The operator is not exposed to the exhaust gasses or the burning of any pipe coatings or oil film.



Low Operating Temperature:

Operating a Tiger Torch in hot ambient temperatures is no fun at all and can really get the operator hot under the collar. In addition the entire pipe heat zone is exposed causing a burn risk. With *Hot Coils®* the maximum outer shell temperature does not exceed 150° F (66°C). This means heat is transferred to the pipe joint not to the work area or the operator.

Easy to Handle: Weighing as little as 6 lbs. (2.7 Kg.) *Hot Coils®* are easy to handle making set-up quick and effortless. Compare this to wrestling heavy propane tanks weighing 30 lbs. (13.6 kg) or more around the job-site.

Work Smarter - Increase Productivity 100% or More!

In a typical work environment an operator using a Tiger Torch propane heating system can complete 3 to 4 welded joints in a day. This is due to the slowness in bringing the joint to the correct temperature then possibly reheating the cooled off areas until the weld is complete before moving to the next joint. With *Hot Coils®* the pipe is brought to an even uniform specified heat throughout the joint. The *Hot Coils®* can then be slid to the side to allow welding while they are still in place and continuing to hold the joint to the specified temperature. While welding one joint additional *Hot Coils®* can be preheating the next joint in the series to be welded so it's ready when you are. Using *Hot Coils®* multiple joint heating system you can conservatively easily more than double your production to 10 or more welded joints a day!



Work a Little Greener:

Hot Coils operating from a clean 110 volt, 15 amp. power source and use on average less than \$0.03* of electrical power per day. Hot Coils cast a smaller environmentally friendlier foot print compared to high powered, high voltage diesel generators or the burning of high amounts of fossil fuels when using propane tiger torches.

* Based on heating 10 joints per day, 15-minutes each at a cost of \$0.08 kW/hr

Reduce Cost – Increase Production: In a direct cost comparison **Hot Coils®** can save you major dollars over propane heating systems. The math is simple.



Propane – Fill a 30 lb. tanks per day at \$20.00 per tank in propane cost to achieve an average of 4-welded joints or \$5.00 per joint. Cost per year for one propane system would be \$20.00 x 200 days = \$4000.00 per year.

Hot Coils® – Using Hot Coils a welder can easily heat and weld 10 joints per day heating each joint approx. 15 minutes. 10 joints at 15 minutes each would consume 2.5 hours of electricity. 1500 watts x 2.5 hrs. = 3750 watts ÷ 1000 = 3.75 kW/hrs. per day. At a cost of \$0.08 per kW/hr (may vary depending on area) the cost per day to operate one **Hot Coil®** is \$0.03. The cost per year would be \$0.03 x 200 days = \$6.00.

One **Hot Coil®** can provide you an annual saving of \$3994.00 per year and a 250% increase in productivity. To double the production rate using a tiger torch would require a second torch and welder. At an average welder labor rate of \$35.00 per hour the total cost increase over Hot Coils and achieving 25% less production would be **\$63,994.00 per year!**

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Saving Time - Saving Dollars – Staying on Spec. – Safer Operation