

























Hot Coils® Versus High Voltage Preheat Systems

Save Time ... Save Dollars ... Stay Safer ... Stay On Spec ... The Environmental Choice

High Voltage Heat Truck

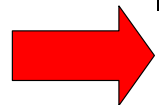
Min.- Hrs.  ?		Step 1 Crew (\$75.00 hr. ea.) waits for specialized heat service to show up at site. That is "if" they show up!
10 min.  Total		Step 2 Run high voltage cables from generator truck to work location. Actual time will depend on where pipe to be welded is located.
10 Min. 5 min.  Total		Step 3 Strap lead cable to one side of joint to be welded.
15 Min. 5 min.  Total		Step 4 Wire heating element to one side of joint to be welded.
20 Min. 5 min.  Total		Step 5 Wearing protective breathing equipment, wire insulation around pipe over heating element on one side of joint to be welded.
25 Min. 10 min.  Total		Step 6 Wire protective insulated covering around pipe over heating element and insulation around one side of joint to be welded.
35 Min. 25 min.  Total		Step 7 Repeat steps 3 thru 6 and install heating element to pipe on opposite side of joint.
60 Min. 5- Min.  Total		Step 8 Connect high voltage wiring between generator truck and heating elements.
65 Min.		

The Hot Coils® Solution











2 Min.  Total		Step 1 Install Hot Coils on pipe and plug Coils into any 110/120 volt outlet
2 Min. 20 Min.  Total		Step 2 Heat up to 20 min. or until correct temp. is reached. (120° - 550°F)
22 Min. 26 Min.  Total		Step 3 Check temp. and if to spec. weld joint Weld times may vary depending on pipe dia.
48 Min. 48 Min.x10  Total		Step 4 Repeat step 1 thru 3 ten more times Productivity per 8 hour shift - 10 joints!
8 Hrs	Total average production for an 8-hour shift using Hot Coils - 10 Joints!	

**Hot Coils® can
Increase Your
Productivity
250%
(or more)**

High Voltage Preheat Cont.



High Voltage Preheating (Cont.)

5- Min. 		Step 9 Cordon off and ensure all personnel are removed from the danger (work) area before powering up heaters.
Total 70 Min.		
5- Min. 		Step 10 Crank up the diesel powered generator increasing your carbon footprint
Total 75 Min.		
20 - Min. 		Step 11 Turn on the juice and preheat pipe.
Total 95 Min.		
25 Min. 		12 Check temp. and if to spec. weld joint. Weld times will vary depending on pipe dia. When complete, bag and dispose of <i>carcinogenic</i> matl.
Total 120 Min.		
2 Hr. x 4 		Step 13 Repeat steps 2 through 12 three more times Productivity per 8 hour shift <i>4- Joints!</i>
Total 8 - Hrs		
Total average production for an 8-hour shift using high voltage heat service - 4 Joints!		

How do they compare?

With an average of 10 joints per day Hot Coils® is the clear winner!

**The Hot Coils Preheating System ...
The Benefits Just Keep On Adding Up !!!**

Save even more using multiple set of Hot Coils®!

Plug into any available 110/120 volt power source

Coils quickly heat from 120° to 550°F!

Adjustable thermostat holds temperature within +/- 2.5°!

Stay on spec. every time!

Rapid heating! Coils can reach maximum tempertaure in 20-minutes or less!

Only \$0.03 to operate each coil over entire day!(Based on 10 joints heating 15 min. ea. @ .08 kWh)

Light weight! As little as 6 lb. (2.7 kg) ea. coils are easy to carry around jobsite!

Uniform heat! 360° heating around pipe mean *no cold spots!*

Can be used in horizontal or verticle applications!

Use Hot Coils® for Hydrocarbon bake-out applications!

Use additional sets of coils to increase productivity.

Coils can be used with timers, data loggers chart recorders or other devices!

Meets all standards! Hot Coils® are approved with zone 1 division 1 rating by UL, CSA and CUS regulatory agencies!

Sized for any job! Coils are available to fit 4", 6", 8", 10" and 12" sch. 40 plus pipe!

The *environmental choice!* Hot Coils® do the job more efficiently while casting a small carbon footprint!

Safer operation! No open flames, cleaner uncluttered work area and no high voltage wires to *endanger* work crew!

Use your own work crew! *No expensive specialized labor* or services required!

Note: Above times are estimates only. Actual times will depend on many variables such as but not limited to ambient tempertaure, pipe diameter and thickness, location and layout of work site, worker skill levels etc.