

THE COBRA SYSTEM HEATED TOWERS

412-872-4149

Thank you for purchasing "The Cobra System".
Please read important information below:

***THE COBRA SYSTEM must be installed by a certified electrician and plumber.
Warranty is rendered null and void if not following specific directions while installing
THE COBRA SYSTEM.***

***NOTE:**

- We recommend using Teflon tape for all pipe thread connections on all threaded fittings.
- Be sure there is no electric current going to The Cobra Towers until units are filled with presoak and coming out of bleeder plug.
- Do not make any adjustments to thermostats they are preset to the correct temperature.

WARRANTY

Parts manufactured by The Cobra System are covered for a period of 90 days from the shipment date and 1 (one) year on labor. Other parts which are purchased by The Cobra System used to manufacture The Cobra System products are covered by their respective manufacture warranties.

WARRANTY TERMS:

The Cobra System, warrants to the original purchaser to be free of Defective Parts and Workmanship for a period of 1 (one) year. This warranty begins on the date of original retail delivery or original use, whichever occurs first. Repairs or replacements under warranty will not extend the warranty coverage. No benefits or remedies are available under this limited warranty while the invoice for the unit or related services remains outstanding. This warranty is Non-Transferable. If any part of the Cobra System C.T.A. Fails in normal use because of defective parts or workmanship performed by the manufacturer and is returned to us, then it will be repaired or assembly replaced. The alleged defective part of the assembly MUST be returned to the manufacturer, at your cost properly supported by purchase receipt,

For inspection and credit consideration in order for the Replacement coverage to be applicable, As specified below.

ALL WARRANTY REPLACEMENTS AND FIELD REPAIRS MUST BE PRE-APPROVED. AN IDENTIFICATION REFERENCE MUST BE OBTAINED BEFORE ANY SERVICE IS PERFORMED.

COBRA TOWER INSTALLATION INSTRUCTIONS

Parts Inventory:

- (1) Pressure relief valves
- (1) ¼" ball valve (bleeder)
- (1) 6" PVC cap w/ exhaust tubes

Installation:

- 1) Remove Tower from crate. Place a Tower on each side in the desired location close to your Presoak Arch so that your heated chemical travels the minimum distance to your spray manifold.
- 2) Mount the tower as close to the operator on the block or solid wall. Allow room on bottom section to remove for installation and service.
- 3) Take the Tower top off by removing the (3) 3/8" hex head bolts to expose thermostat cover. Heating elements are pre-set. DO NOT CHANGE. Remove (3) screws on side of cap, pull off cap to show thermostat and element terminals. (After all connections are made you MUST spray all wire and terminal connections with an electrical sealer.
- 4) Once you have made your connections replace thermostat cover and screws, then replacing adjusting knob and setting it to the set point on thermostat cover.

DO NOT TURN POWER ON before filling both Towers with pre-soak or the elements will permanently burn-out.

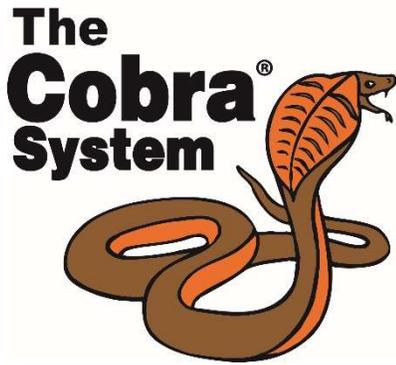
- 5) Replace the Tower top and aligning both ½" FNPT Coupler and 1" pipe couple (electric) on Tower side facing exit end of wash.
- 6) Connect your chemical fluid line coming from pump to ½" FNPT coupler (lower fitting).
- 7) Install Pressure Relief valve. Adjust setting to 75 lbs.
- 8) Once the fluid line is connected, manually turn on your air diaphragm pump to fill Tower until you see chemical coming out of ¼" ball valve, (bleeder), on Tower top. Turn off pump and screw in ¼" ball valve in closed position.
- 9) Screw in pressure relief exhaust tube (when installing pressure relief valve exhaust, it should be positioned 180 degrees from or opposite all pipe couplings). Place 6" PVC cap on with slot over exhaust tube.

If you need any assistance or have any questions about installation please call 724-344-1492

thecobrasystem@comcast.net

www.thecobrasystem.com

"HAPPY WASHING"

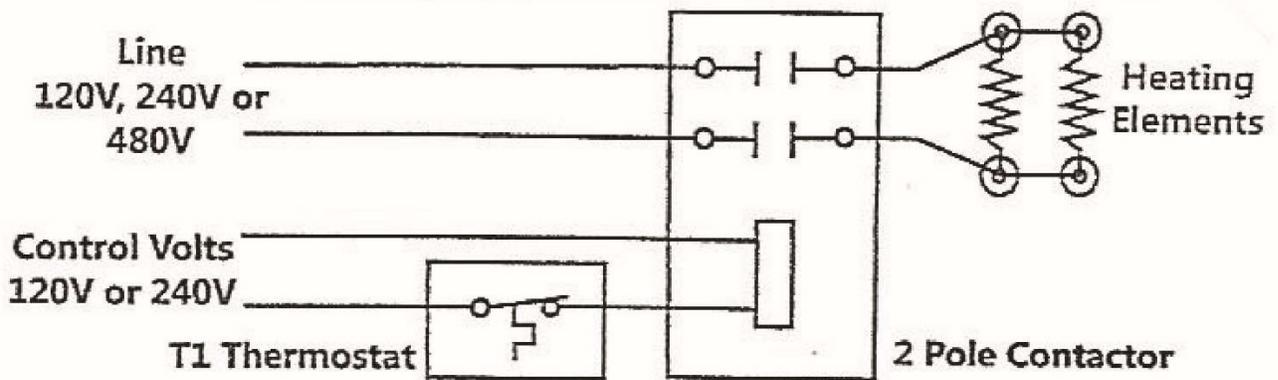


HEATER WIRING

The Cobra Towers require a designated 30-amp breaker.

Tower Wiring Diagram (Single Phase)

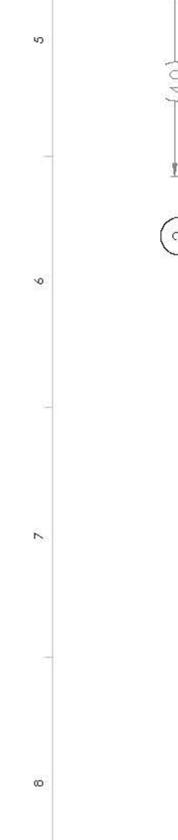
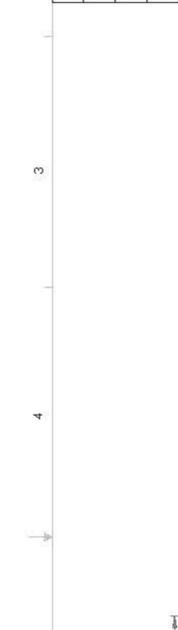
Electrical Requirement: 240v single phase, 30-amp breakers designated power to each Tower



Single Phase

For 120V, 240V or 480V heaters when current exceeds thermostat rating

REV	ECO #	DESCRIPTION	REV BY	APP BY	DATE
1	N/A	CUSTOMER APPROVAL	AB	AB	5/26/16
A	N/A	INITIAL RELEASE	AB	PHT	06/17/16
B	E18-000	REVISED WIRING	JWV	AB	03/16/18



INSTALL AS SHOWN

RED ARROW TO LINE UP WITH T-STATS ZERO

INSTALL AS SHOWN

