

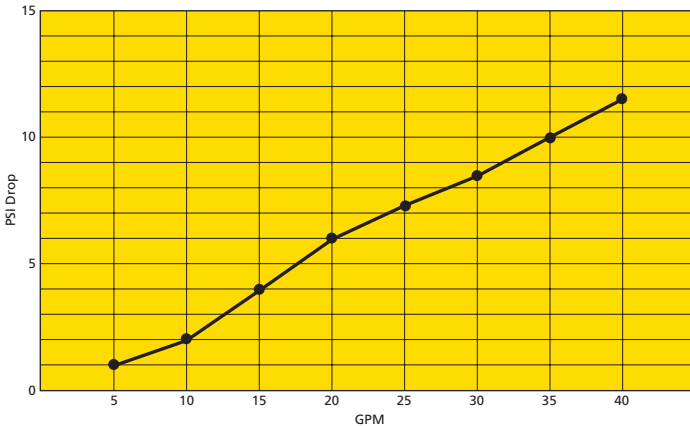
## CUSTOM BUILT FLUID PROCESS HEATERS

Keltech custom engineers tankless process heaters for large industrial fluid applications. Our heater cores meet a wide variety of needs from producing process water temperatures to re-circulation loops, and from providing hot water for heat exchanger use with other liquids to directly heating non-flammable liquids.

## PRECISION ENGINEERED FOR OPTIMAL PERFORMANCE

Designed to exacting specs and tested to ensure precise temperature control, Keltech tankless large industrial process heating solutions are energy efficient, reliable and provide optimum performance in the most demanding applications. Depending on the environment and sizing requirements, Keltech can custom build a large industrial process heater that meets or exceeds your specifications.

## CN PRESSURE DROP ADVANTAGE



*Large industrial passageways minimize pressure drop.*



## FEATURES:

- Overheat protection
  - Electronic (limit controller)
  - Mechanical (bimetal)
- Incoloy heating elements
- NEMA 4X and NEMA 12 enclosures
- Brass/copper heat exchanger
- External emergency stop button
- Solid-state relays
- Internal finger-safe fusing
- PID control with digital display of set-point and actual temperature

# CN 144kW LARGE INDUSTRIAL PROCESS HEATER (continued)

## ELECTRICAL SPECIFICATIONS FOR THE HEATER

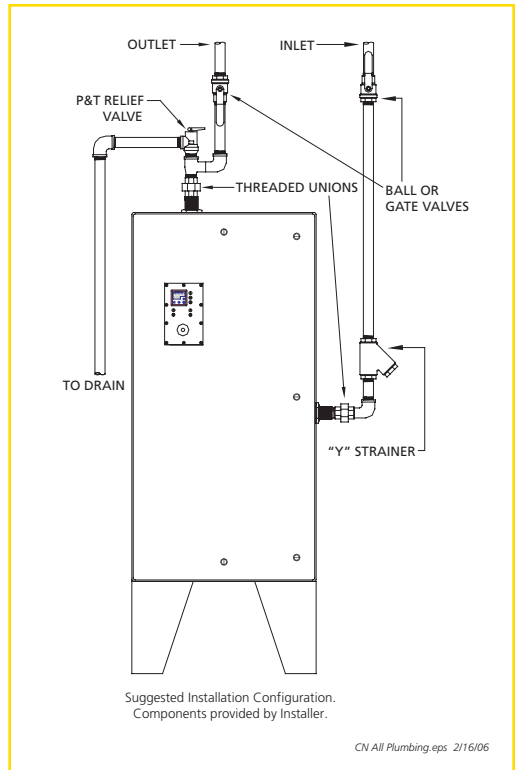
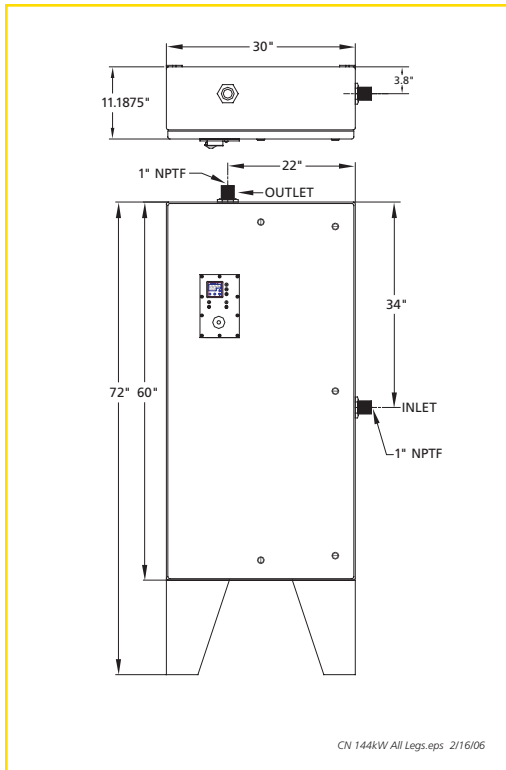
Capacity (kW)	Voltage	Amperage
144	480	174
144	600	139

Sizing for the proper flow rate is important. If the temperature rise capabilities of the heater is not sufficient, please contact Keltech, Inc. for additional product information.

## WATER FLOW AND TEMPERATURE RISE

kW	GPM	7	8	9	10	12	15	20	25	30	35	40
144	$\Delta T$ °F	144	120	109	98	82	65	49	39	33	28	24

## CN 144kW SUBMITTAL DRAWING



### PROPRIETARY NOTICE:

These drawings are the exclusive property of Keltech, Inc. You may not reproduce, copy, use, or disclose this material, or the information illustrated or contained in it, in whole or in part, without prior written consent of Keltech, Inc.