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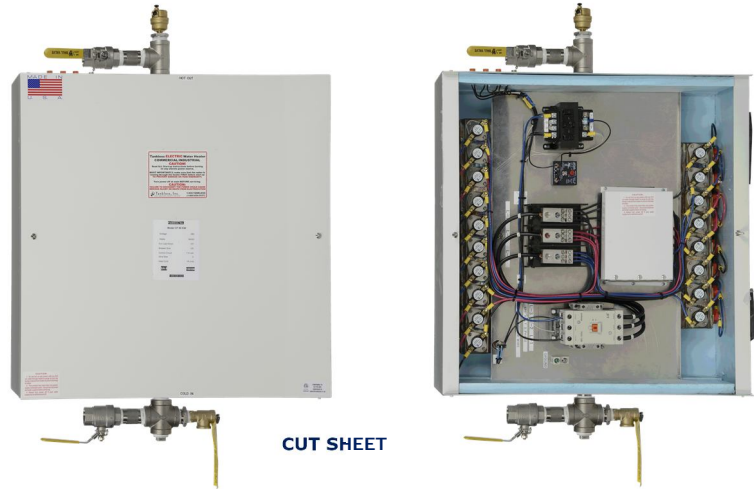


This compact heater puts out 307K BTUs per hour and is a tremendous value. It is used primarily on high volume situations such as safety showers and other large industrial applications. NEMA 4 enclosures are available.

**MODEL NAME**

**CF 90 KW**

FEATURES	DATA
Phase of electricity required	Three
Full load AMP draw at available three phase Voltages	
N/A means this voltage is not available in this model	
Full load Amp draw at 575	N/A
Full load Amp draw at 480	108
Full load Amp draw at 380	135
Full load Amp draw at 240	215
Full load Amp Draw at 208	250
Y or Delta configuration for 480 volt units	Delta
In/out pipe size	1"
Heat Exchanger material	304 SS
Enclosure size W x H x D	25.5 x 24 x 9.25
Area needed to install and repair	43.5 x 52.25 x 40
Enclosure size including fittings	25.5 x 36 x 9.25
Enclosure rating	NEMA 3, NEMA 4 available
Mounted at customer site via	Brackets at top and bottom of box
Efficiency	98.90%
Operating pressure range	0-150 PSI
BTU output per hour	307,080
Temperature output maximum	200
Output temperature settings available	90,110,125,145,155,185,200
Output temperature adjustable	No, With the optional ETC you can adjust the temperature in recirculation systems
Temperature output minimum	90
Freeze protection	Optional
Minimum flow to engage	2 G.P.M. with optional flow switch, 0 without the switch
Number of overtemp protections	Two
Individually fused elements	Yes
Maximum flow in G.P.M. at 60 PSI	42
Shipping weight in Lbs.	125
Shipping box size	skid only
Shipping mode	truck
Warranty	2 years electrical parts 5 years on heat exchanger



**CUT SHEET**

**Units Covered**

CF Series  
81 KW  
90 KW  
108 KW

Unit Weight - 125 lbs

**Unit Dimensions and Mechanical Info**

**Install Instructions for 18 element CF Series heater**

- Remove the front and top cover of the heater.
- Mount heater to the wall using the brackets provided on the holes in the back of the box.
- Insert the air separator, "AS", which was also inside the heater box with the heater element.
- Connect hot and cold water and the pressure relief valve to the drain.
- Run water through the system and test for leaks and the drain.
- Connect electrical lines one by one three and ground to the heater. There is one wire going to the base on the bottom and one on each side. Verify the breaker and wire size are engineering chart based on size of heater and voltage.
- Run water over the heater for 30 seconds.
- Check the delay switch setting and change if desired. The factory setting is 1 minute. Once the water pressure reading is above 3 PSI the delay timer starts and the heater comes on after the delay time has elapsed.
- Lock the thermostat.
- Replace cover.
- Test to the manufacturer.
- Wait the 1 minute for the pressure switch to engage or whatever time the manufacturer uses if they changed their delay time.

**Notes:**

- Red Lines represent customer supplied pipe or electrical
- Main Power can come in from the bottom or either side

Tankless, Inc.			
CF Series			
18 Element Heater			
DATE	TIME	REVISION	SHEET 1 OF 1
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**SUGGESTED SPECIFICATION**

Tankless Water Heater shall be a Tankless Inc. model \_\_\_\_\_, with \_\_\_\_\_ KW, and \_\_\_\_\_ vac to heat \_\_\_\_\_ GPM@ a temperature rise of \_\_\_\_\_ degrees F. Heating elements shall have an incoloy sheath. Heater shall have 3/4" or larger NPT fittings and have stainless steel heat exchangers and internal plumbing. Hot water storage tanks prohibited. Heating unit will be a Tankless, Inc. product or approved equal.