

This is our most popular size unit. At 245K BTUs per hour it has been the foundation of the product line since we first made commercial units in 2000. It is available with 1" pipe in and out and that unit will flow over 40 gallons per minute so it is usable in large re-circulation systems. Canadian companies buy and install the unit because of its reliability in 575 volt applications

MODEL NAME

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	72
Full load Amp draw at 480	86
Full load Amp draw at 380	108
Full load Amp draw at 240	172
Full load Amp Draw at 208	200
Y or Delta configuration for 480 volt units	Delta
In/out pipe size	3/4"
Heat Exchanger material	304 SS
Enclosure size W x H x D	14.75 x 30 x 9
Area needed to install and repair	30 x 53 x 40
Enclosure size including fittings	21.25 x 42 x 9
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	245,664
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	32
Shipping weight in Lbs.	90
Shipping box size	44 x 15 1/8 x 20
Shipping mode	UPS
Warranty	2 years electrical parts 5 years on heat exchanger

CF 72 KW



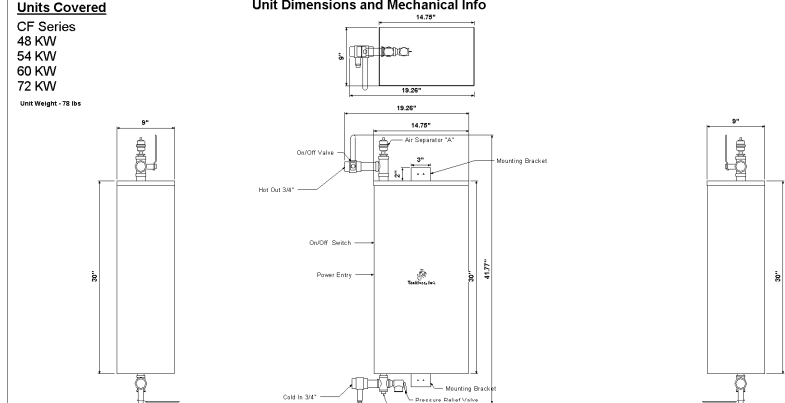
CUT SHEET

Units Covered

CF Series
48 KW
54 KW
60 KW
72 KW

Unit Weight -78 lbs

Unit Dimensions and Mechanical Info



14.75"
19.25"
9"
30"
42.75"
9"
3"

On/Off Valve
Hot Out 3/4"
On/Off Switch
Power Entry
Cold In 3/4"
On/Off Valve
Air Separator "A"
Mounting Bracket
Pressure Relief Valve
Drain Plug

Install Instructions for 12 element CF Series heater

- Remove the front and top cover of the heater.
- Mount brackets to the wall using the brackets provided or the holes in the back of the box.
- Install the air separator, "A", which was also inside the heater box with the owner's manual.
- Connect hot and cold water and the pressure relief valve to the drain.
- The customer needs to vent the valve assemblies to the wall.
- Connect electrical lines one line from one and ground to the heater. There is one entry point to the box on the bottom and one on each side. Verify the breaker and wire size on engineering chart based on size of branch and voltage.
- Run water thru the heater for 20 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.
- Test on the heaters.
- Replace cover.
- Test on the switch to the heater.
- Wait the 1 minute for the pressure switch to engage or whatever minimum you need if you changed the delay time frame.

Notes:

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

Tankless, Inc.	
CF Series 12 Element Heater	
DATE: 01/12/14 AM 10: PM	REVISION: 1
DRAWN: JMB	ISSUED: JMB

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.