

# OVER-THE-SIDE IMMERSION HEATERS

## For Corrosive Solutions

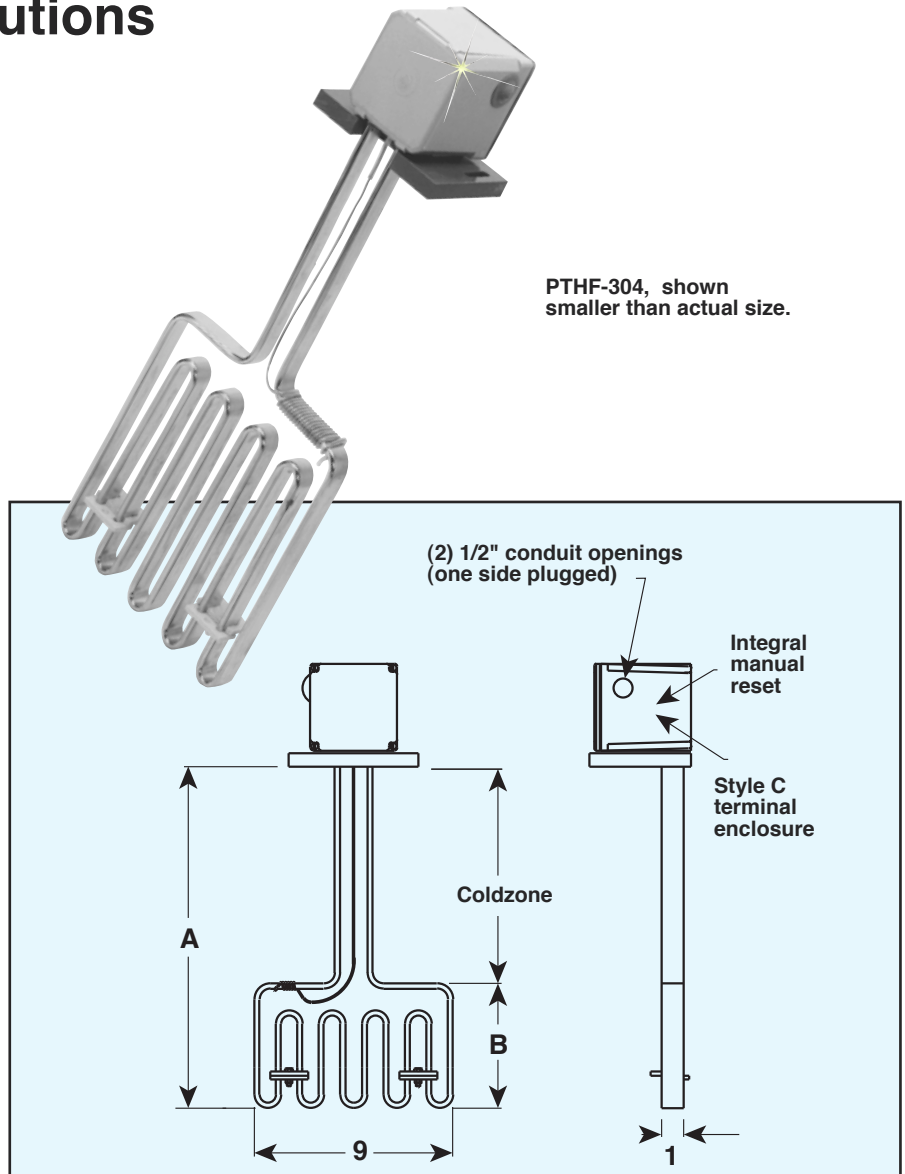
PTHF Series

Basic Unit



PTHF-304, shown smaller than actual size.

- ✓ Corrosion Resistant
- ✓ Solutions up to 100°C (212°F)
- ✓ Thin Blade Heating Element
- ✓ 3 Phase Design
- ✓ Overtemperature Protection



### FEATURES

- **Thin Blade Heating Element**—304 Stainless Steel Electropolished surface.
- **3 phase, 20 W/in<sup>2</sup>**—provides long life service in many corrosive fluids.
- **Low Profile**—takes up less space in the tank.
- **Integral Over-Temperature Protection**—protects the heater against overheat conditions.
- **PVC Terminal Box and Mounting Plate**—protects wiring against corrosive fumes.
- **Lightweight**—easy to install.

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)							
kW	Volts	Phase	Dimensions-in.		Model No.		Wt. lbs
			A	B			
3	240	3	16	7	PTHF-302		7
3	480	3	16	7	PTHF-304		7
4	240	3	18	9	PTHF-402		8
4	480	3	18	9	PTHF-404		8
6	240	3	22	13	PTHF-602		9
6	480	3	22	13	PTHF-604		9
8	240	3	27	18	PTHF-802		10
8	480	3	27	18	PTHF-804		10
10	240	3	31	22	PTHF-1002		11
10	480	3	31	22	PTHF-1004		11

Note: B dimension is the heated section.

Ordering Example: PTHF-604, 480V, 3 phase immersion heater,

# HEAVY DUTY SOFT METAL HEATERS WITH CAST IRON SHEATH

CIT Series Starts at

- 3 to 10 kW
- 240V, 1 Phase
- Used for Soft Metal Melting
- Rugged, Reliable
- Efficient Heat Transfer
- Three Configurations Available

## APPLICATIONS

Used with metals such as solder, lead tin, stereotype metals, and babbitt (with 4% or less copper content) which can be melted for top working temperatures of 950°F or less. Not suitable for immersion heating of zinc or aluminum.\*

## FEATURES

Maximum heavy duty construction. 0.475" steel sheath tubular elements are cast into heavy iron bodies. Terminal connections are protected against rough handling and spillage by fully enclosed cast iron terminal box.

Large heat output with good heat transfer and high resistance to overheating.

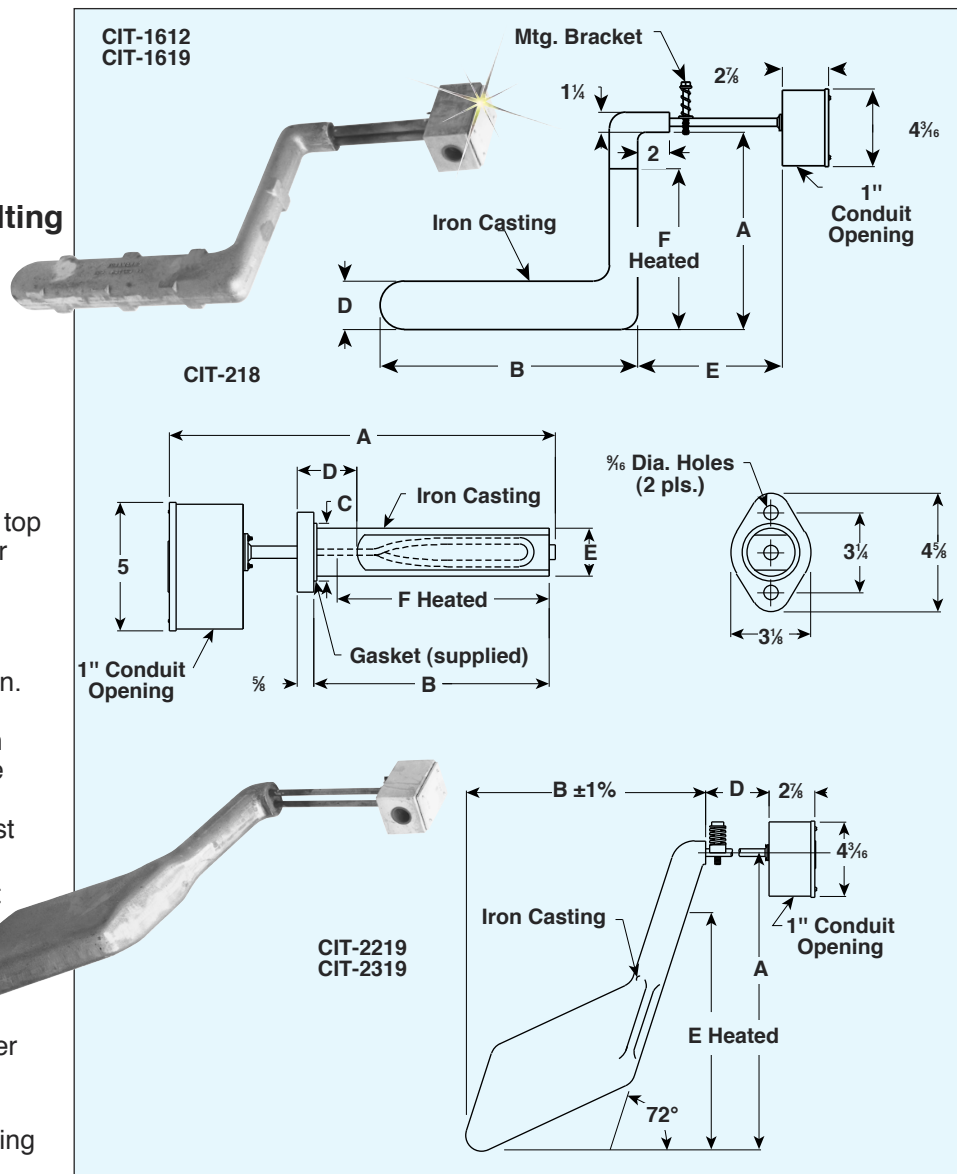
Easy to maintain. Simple to de-energize and remove for occasional pot cleaning or transfer to other melt pots.

Three configurations available including through-the-side mounting (CIT-218) and special stereotype metal melting design (CIT-2219 and CIT-2319).

Mounting flange and heater body are one casting in CIT-218 model. Cold ends of the element extend 2" beyond flange to terminal box.

Stereotype metal heaters CIT-2219 and CIT-2319 have combination of effective heating length, low watt density and shape which permits cold starts without damage to the heater. Also used with low-melt-point alloys.

\* Clamped on OMEGALUX® strip or tubular heaters are used in these applications.



**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

kW	Volts	Fig.	Dimensions-in.						Displace-Angle-In <sup>3</sup>	Model No.	Wt. lb
			A	B	C	D	E	F			
<b>Over-the-Side Mounting</b>											
5	240	A	12¼	16	2	3	9	10	—135	CIT-1612	40
5	240	A	19¼	16	2	3	6	17	—180	CIT-1619	55
<b>Through-the-Side Mounting</b>											
3	240	B	—	18	2¼	2¼	2	17½	—57	CIT-218	22
<b>Special Stereotype Design</b>											
5	240	C	18½	12½	3	—	6½	14½	72°—	CIT-2219	51
10	240	C	19	15¼	3¼	—	9	15	72°—	CIT-2319	80

Ordering Example: CIT-1612, 5 kW, 240V heater with a 3" diameter,



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