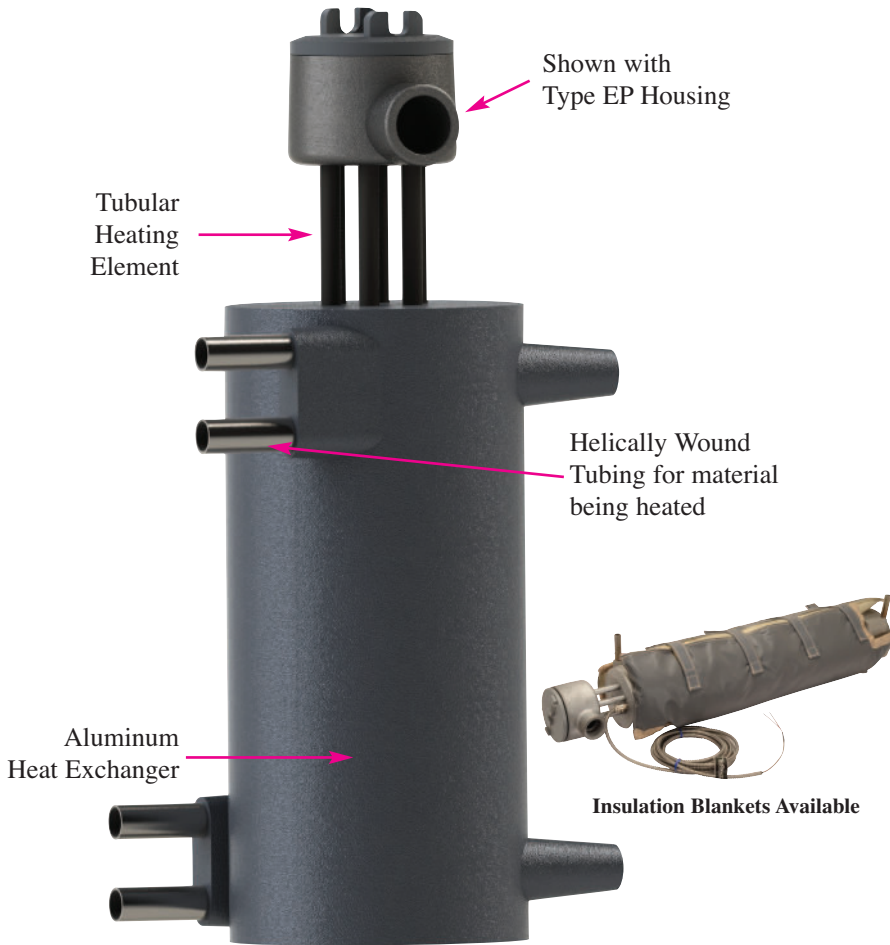


### CHX-300 Series Circulation Heater



#### Standard Design Features

- \* Seamless 316 SS Tubing for fluid flow
- \* Cast-In Tubular Heater
- \* Cast Aluminum heat exchanger body
- \* Operating pressure up to 2600 PSI
- \* Operating temperature up to 650°F (343°C)
- \* Type C2 (General Purpose) housing with standoff

#### Optional Design Features

- \* Process Thermocouple
- \* Overtemperature Thermocouple
- \* Type MPR (Moisture Resistant) or Type EP (Explosion Resistant) Housings
- \* Incoloy Tubing
- \* Cast Bronze Heat Exchanger Body: Operating pressure up to 1400 psi @ 1200°F (649°C)

#### Typical Applications

- ♦ Solvent heating (MEK, NMP, ACT, EKC, others)
- ♦ Heating of Air, CO<sub>2</sub>, Nitrogen and similar gases
- ♦ Heating of non-flammable gases
- ♦ De-ionized water heating
- ♦ Steam generation
- ♦ Glycol heating
- ♦ Heating ink in printing
- ♦ Diesel and Fuel heating
- ♦ Packaging sterilization
- ♦ Analytical instrumentation
- ♦ Food and beverage heating
- ♦ Coating and Paint heating

#### Construction

The CHX-300 circulation heater is a compact lightweight unit used for heating gases or liquids. The material being heated is pumped through the coiled seamless 316 SS tubing which has been cast into an aluminum body that acts as the heat exchanger. A tubular heating element is the heat source. The material being heated never comes into contact with the heating element.

#### Standard (Non-Stock) Sizes and Ratings

Heater Length (in)	Watts	Volts	Phase	Termination Type	Terminal Box Type	Tube Config.	Tube Fitting Type	Thermocouple			T-Stat	Part Number	
								Calibration Type	Style	Termination Type			
13.5	3000	240	1	T7	Type EP	Single	—	J	Spring Adjustable	Std. Plug	48	—	CHX30012
13.5	3000	480	1	T7	—	Single	—	—	—	—	—	—	CHX30016
13.5	4500	240	1	T	Type C2	Single	—	K	Armor Cable Adjustable	Std. Plug	36	—	CHX30022
13.5	3000	208	1	T	Type C2	Single	—	J	Spring Adjustable	Spade Lugs	48	—	CHX30028
13.5	4500	240	1	T7	Type MPR	Single	HS	—	—	—	60	Yes	CHX30036
19.5	6000	240	1	T7	—	Single	—	J	Armor Cable Adjustable	Spade Lugs	60	—	CHX30044
19.5	6000	480	1	T	Type C2	Dual	—	K	Spring Adjustable	Std. Plug	48	Yes	CHX30048
19.5	7500	240	3	T7	Type MPR	Single	HS	—	—	—	—	—	CHX30054
19.5	7500	480	3	T	Type C2	Dual	—	K	Armor Cable Adjustable	Std. Plug	60	—	CHX30056
19.5	9000	480	3	T	Type C2	Single	HS	J	Spring Adjustable	Spade Lugs	48	—	CHX30062
25.5	12000	480	3	T7	Type MPR	Dual	—	K	Armor Cable Adjustable	Std. Plug	36	—	CHX30068
25.5	12000	480	3	T7	Type MPR	Dual	HS	K	Spring Adjustable	Std. Plug	60	—	CHX30071
25.5	12000	240	3	T7	Type EP	Dual	—	K	Armor Cable Adjustable	Std. Plug	48	—	CHX30075
25.5	18000	240	3	T7	Type EP	Dual	—	K	Spring Adjustable	Std. Plug	60	—	CHX30078
25.5	18000	480	3	T7	Type EP	Dual	—	K	Armor Cable Adjustable	Std. Plug	48	—	CHX30084