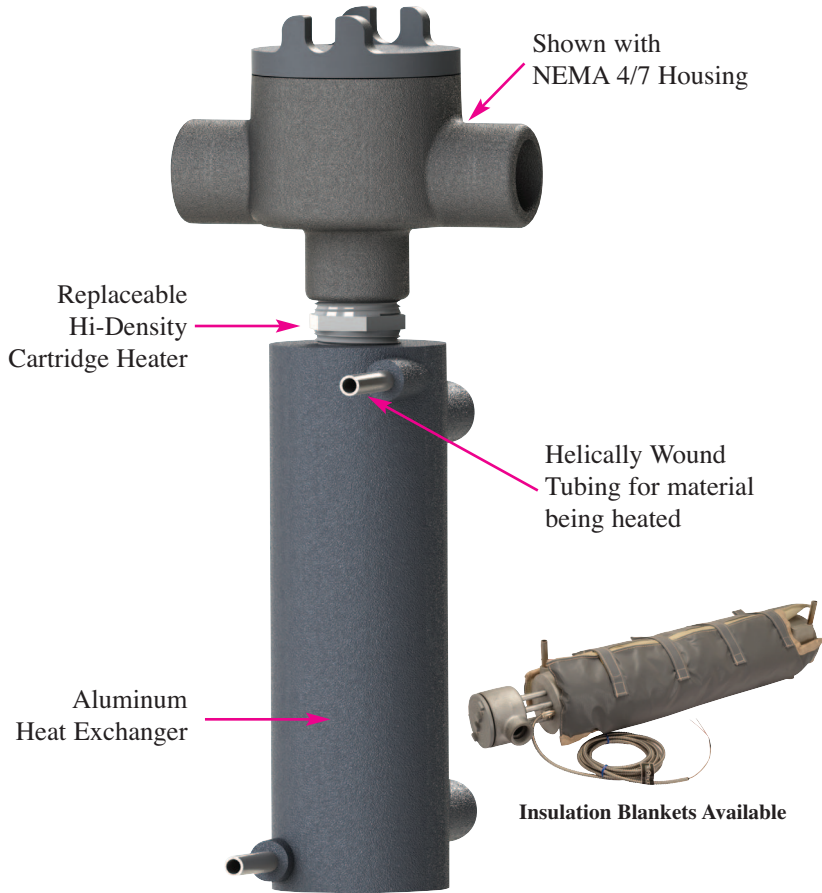


### CHX-100 Series Circulation Heater



#### Standard Design Features

- \* Seamless 316 SS Tubing for fluid flow
- \* Replaceable 5/8" diameter Hi-Density Cartridge Heater
- \* Cast Aluminum heat exchanger body
- \* Operating pressure up to 3200 PSI
- \* Operating temperature up to 650°F (343°C)
- \* NEMA 4/7 enclosure with standoff standard

#### Optional Design Features

- \* Process Thermocouple
- \* Overtemperature Thermocouple
- \* High Limit Thermostat
- \* 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-100 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 replaceable Hi-Density cartridge set into a hole bored into the aluminum is the heat source. The material being heated never comes into contact with the HD cartridge heater.

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

Heater Length (in)	Watts	Volts	Terminal Box Type	Tube Fitting Type	Thermocouple				Thermostat	Part Number
					Calibration Type	Style	Termination Type	Lead Length (in)		
6.5	300	120	Nema 4/7	—	J	Spring Adjustable	Std. Plug	60	—	CHX10010
6.5	300	208	—	—	—	—	—	—	Yes	CHX10070
6.5	300	240	Nema 4	—	K	Armor Cable Adjustable	Std. Plug	48	—	CHX10085
6.5	500	240	Nema 4	—	J	Spring Adjustable	Spade Lugs	48	—	CHX10135
6.5	500	208	Nema 4/7	—	—	—	—	—	Yes	CHX10148
6.5	750	208	—	—	J	Spring Adjustable	Spade Lugs	36	—	CHX10165
6.5	750	240	Nema 4	—	K	Armor Cable Adjustable	Std. Plug	60	—	CHX10182
12.5	900	240	Nema 4/7	HS	—	—	—	—	Yes	CHX10210
12.5	1000	240	Nema 4/7	—	K	Armor Cable Adjustable	Std. Plug	60	—	CHX10220
12.5	1200	240	Nema 4/7	HS	J	Spring Adjustable	Spade Lugs	36	—	CHX10235
12.5	1500	240	Nema 4/7	—	K	Armor Cable Adjustable	Std. Plug	48	—	CHX10242
12.5	1500	120	Nema 4/7	HS	K	Armor Cable Adjustable	Std. Plug	60	—	CHX10248