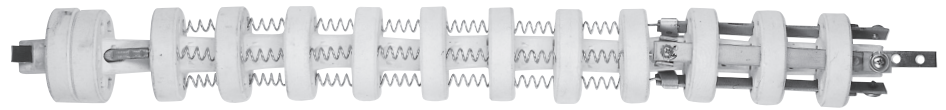
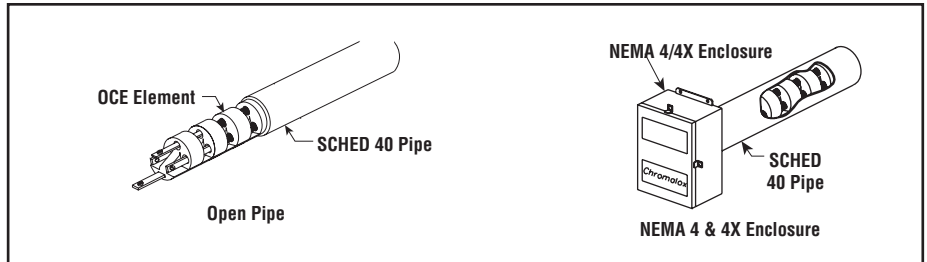


## OCE Open Coil Elements

- 1-7/8 and 2-3/4" Outside Dia.
- 60 - 320" (5 - 26 Ft.) Lengths
- 4 - 20 kW Single Element Ratings
- 3 - 12 W/in<sup>2</sup> (Pipe Surface)
- 240 and 480V, Three Phase (600V available)
- For Use In Horizontal 2 or 3" Schedule 40 NPS Pipe



### Typical Applications



### Features

**Rugged Construction** — Insulating supports are made of high density electrical ceramic

**Easy Installation** — Only 3 feet is required for installation or removal in cramped areas

**Highly Flexible** — Can be bent in a vertical plane on a minimum 12" radius

**Continuous Support Bar** positions the ceramic insulators and provides sufficient rigidity for handling and installation in pipe

**Heavy Gauge Bus Bars** provide spacing of heated section away from terminal area

**Heavy Gauge Resistance Wire** provides reliable service and long element life

**Special Ratings and Lengths** available

**CAUTION** — OCE elements should never be mounted in a vertical position as the resistance wire will sag causing uneven heating and short circuits. Allow 3/8" per foot of heater length for expansion. Users should install temperature regulating controls, fusing and backup safety devices.

### Applications

Chromalox OCE Open Coil Element assemblies are specifically designed to fit inside standard 2 or 3" Schedule 40 NPS pipe for use in tank and pipe heating. They can also be used inside metal tubing. (Requires 1/8" min. clearance between ceramic and inside tube wall.)

An OCE heater assembly installed inside a Schedule 40 NPS pipe provides uniform heat over a large surface area. This method of indirect heating lowers the watt density or heat flux on the surface area of the pipe in contact with the heated media, reducing the tendency to coke or breakdown heat sensitive materials.

### Specifications and Ordering Information

kW	Watt' Density	Pipe Size (NPS)	Length (In.)	Cold End (In.)	Model		Stock	Wt. (Lbs.)
					240V 3 Phase	480V 3 Phase		
4	10	2"	60	8	OCE-05040-2-24-3	OCE-05040-2-48-3	NS	8
8	12	2"	96	6	OCE-08080-2-24-3	OCE-08080-2-48-3	NS	12
12	12	2"	144	6	OCE-12120-2-24-3	OCE-12120-2-48-3	NS	18
20	12	2"	240	6	Not Available	OCE-20200-2-48-3	NS	30
5	7.8	3"	66	8	Not Available	OCE-06050-3-48-3	NS	9
5.6	3	3"	184	15	OCE-15056-3-24-3	OCE-15056-3-48-3	NS	33
6	3	3"	188	15	OCE-15060-3-24-3	OCE-15060-3-48-3	NS	35
6.5	3	3"	206	15	OCE-17065-3-24-3	OCE-17065-3-48-3	NS	38
6.7	3	3"	212	15	OCE-17067-3-24-3	OCE-17067-3-48-3	NS	39
6.9	3	3"	219	15	OCE-19069-3-24-3	OCE-19069-3-48-3	NS	40
7.2	3	3"	230	15	OCE-19072-3-24-3	OCE-19072-3-48-3	NS	42
7.5	3	3"	236	15	OCE-19075-3-24-3	OCE-19075-3-48-3	NS	43
10	4	3"	236	15	OCE-19100-3-24-3	OCE-19100-3-48-3	NS	43
12.5	5	3"	236	15	OCE-19125-3-24-3	OCE-19125-3-48-3	NS	43
7.6	3	3"	242	15	OCE-20076-3-24-3	OCE-20076-3-48-3	NS	44
8	3	3"	242	15	OCE-20080-3-24-3	OCE-20080-3-48-3	NS	44
8	3	3"	255	15	OCE-21080-3-24-3	OCE-21080-3-48-3	NS	47
9	3	3"	284	15	OCE-23090-3-24-3	OCE-23090-3-48-3	NS	52
9.6	3	3"	308	15	OCE-25096-3-24-3	OCE-25096-3-48-3	NS	56
10	3	3"	314	15	OCE-26100-3-24-3	OCE-26100-3-48-3	NS	58
10.3	3	3"	320	15	OCE-26103-3-24-3	OCE-26103-3-48-3	NS	59

**Stock Status:** S = stock NS = non-stock

**To Order—** Specify model, volts, phase, kW, length, cold end and quantity.

1. Watt Density based on the outside surface area of 2 or 3" Schedule 40 NPS pipe.
2. Alternate voltages available, contact your Local Chromalox Sales office.

**Other Note** — Optional NEMA 4 or 4X Enclosure Kit for field installation.

## Ordering Guidelines

### Open Coil Heaters

#### Ordering Information

To Order—  
Specify model, volts, phase, kW, PCN (where available) and options desired. Complete model number using the matrix provided.

Model	Large Tank Heating Systems								
OCE	Open Coil Element								
	<b>Code</b>	<b>Length (nearest Ft.)</b>							
	19	19							
		<b>Code</b>	<b>Wattage</b>						
		125	12.5 kW (use actual kilowatt in three digits i.e. 5 kW=050 or 0.5 kW=005)						
			<b>Code</b>	<b>Pipe Size (Schedule 40)</b>					
			2	2" NPS					
			3	3" NPS					
				<b>Code</b>	<b>Voltage</b>				
				20	208	24	240	38	380
				41	415	48	480	57	575
					<b>Code</b>	<b>Phase</b>			
					1	Single			
					3	Three			
OCE	19	125	3	24	3	<b>Typical Model Number</b>			

**Note** — NEMA 4 or 4X terminal enclosure kit is available for field installation by contacting your Local Chromalox Sales office.