

# 4.1.4 Tank heater

## Model tank heater for caustic soda

### APPLICATION

- tempering of caustic soda to 20 °C to avoid faults due crystallization in the system

### DESIGN

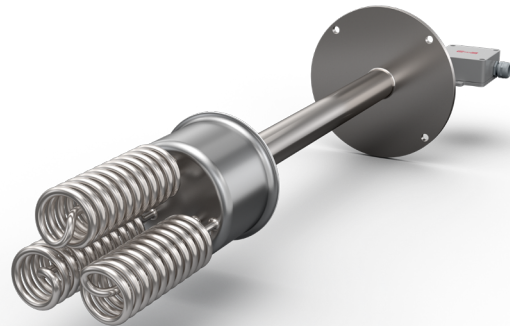
- flange DN 150 made of stainless steel mat.-no. 1.4571 (AISI 316Ti)
- 3 coiled tubular heating elements made of special material mat.-no. 2.4858 (alloy 825)
- temperature controller adjusted to 20 °C (factory-made)
- kindly specify the immersion length as you require
- terminal box 84 x 84 x 47 mm, protection type IP 65

### ELECTRICAL CONNECTION

- 230 V single-phase current, single-pole thermostat switches directly
- the thermostat turns off at approx. 23 °C and turns on at approx. 20 °C. Kindly specify the turn-off temperature that you require

### INSTALLATION

- provide dome cover with hole diameter 150 mm and 4 stud bolts M 8, bolt circle diameter 200 mm
- the immersion depth of the heater must be set to a ground clearance of at least 50 mm, hang it in and screw the flange



### TECHNICAL DATA

LENGTH (APPROX. MM)	MIN. IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	ARTICLE NO.
2000	210	1.500	04014011
2000	230	2.250	04014021
2000	250	3.000	04014031

### ATTENTION! Safety Note

The covering of the oil above the heater must be at least 50 mm (note the minimum immersion depth). The suction pipe is to be shortened accordingly

### POWER DESIGN

For example: At an ambient temperature of 10 °C it will be possible to hold the temperature in an uninsulated tank at 20 °C with a power of (non-binding calculation):

POWER (APPROX. WATT)	TANK CAPACITY (APPROX. LITRE)
1.500	250
2.250	500
3.000	1000

### ALTERNATIVE DESIGN

- other immersion length over 2.0 m
- other voltage or power
- with dry-run protection