

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

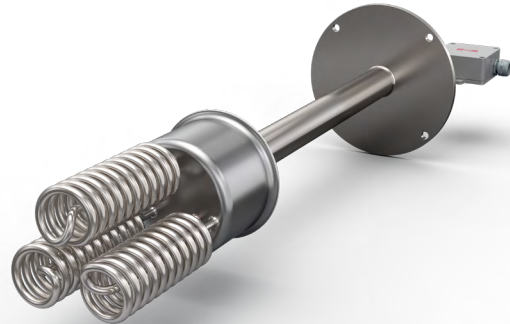
- flange DN 150 made of stainless steel mat.-no. 1.4571 (AISI 316Ti)
- 3 coiled tubular heating elements made of special material mat.-no. 2.4858 (ALLOY 825)
- temperature controller adjusted to 20 °C (factory-made)
- kindly specify the immersion length as you require
- terminal box 84 x 84 x 47 mm,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