

5.4 Large immersion heating element

Model large immersion heating element for single-phase current

APPLICATION

- direct heating of water and other non-aggressive fluids that allow a specific surface load of approx. 8 W/cm²

DESIGN

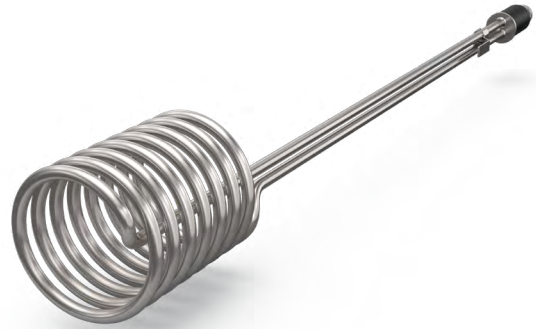
- coiled tubular heating element made of stainless-steel mat.-no. 1.4571 (AISI 316Ti)
- plastic-screw cap for handling, protective type IP 65
- with adjustable retaining clamp
- design with thermostat, externally regulated, see cap-design on catalogue page 5.5

INSTALLATION

- hang the heater vertically in the liquid and attach at the rim of the tank
- liquid level must be above the minimum immersion length

ELECTRICAL CONNECTION

- up to 3.000 Watt at 230 V single-phase current, with power cable, 2 m long
- from 4.000 Watt at 3 x 400 V three-phase current, without power cable

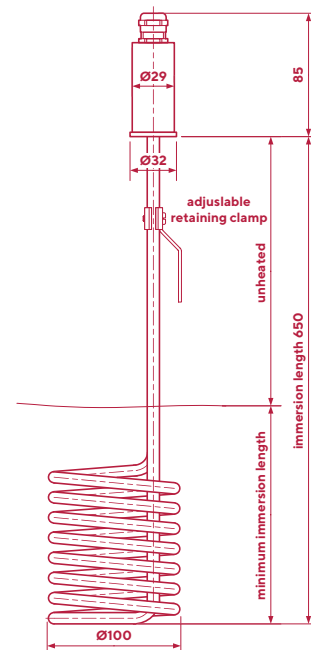


TECHNICAL DATA

IMMERSION LENGTH (APPROX. MM)	MIN. IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	ARTICLE NO. (WITHOUT THERMOSTAT)	ARTICLE NO. (WITH THERMOSTAT)
210	60	1.000	05040011	not available
300	80	2.000	05040021	not available
650	80	2.000	05040031	05052011
650	130	3.000	05040041	05052021
650	130	4.000	05040051	05052031
650	180	5.000	05040061	05052041

ALTERNATIVE DESIGN

- other immersion length or unheated zones
- other voltage or power
- other materials



5.5 Large immersion heating element

Model large immersion heating element for three-phase current

APPLICATION

- direct heating of water and other non-aggressive fluids that allow a specific surface load of approx. 8 W/cm²

DESIGN

- 3 coiled tubular heating element made of stainless-steel mat.-no. 1.4571 (AISI 316Ti)
- thermostat 30 to 110 °C, switching difference 5 K, switching capacity see catalogue page 12.5
- steel-cap with handhold, protective type IP 30

INSTALLATION

- hang the heater vertically in the liquid and attach at the rim of the tank
- liquid level must be above the minimum immersion length

ELECTRICAL CONNECTION

- at 230/400 V three-phase current



TECHNICAL DATA

IMMERSION LENGTH (APPROX. MM)	MIN. IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	ARTICLE NO. (WITHOUT THERMOSTAT)	ARTICLE NO. (WITH THERMOSTAT)
650	80	6.000	05051011	05050011
650	130	9.000	05051021	05050021
650	130	12.000	05051031	05050031
650	180	15.000	05051041	05050041

ALTERNATIVE DESIGN

- other immersion length or unheated zones
- other voltage or power
- thermostat 0 to 85 °C, switching difference 4 K, switching capacity see catalogue page 12.5
- protective type IP 65
- other materials
- power cable 4 x 1.5 mm², 3 m long with CEE-plug, 5-pole, up to 9.000 Watt

