

1.10 Screw-in heating element G 1½

Model C/Th/RE/3/G 1½ with thermostat, internally regulated

APPLICATION

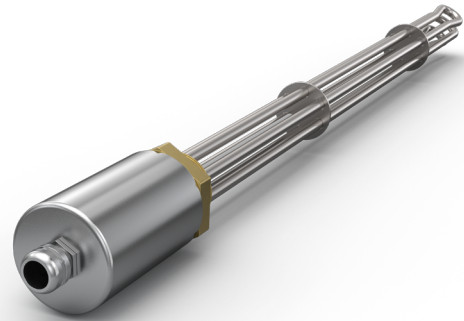
- heating up hydraulic oil
- heating up thin oil, heat transfer oil, quenching oil
- specific surface load 1.5 W/cm² or 2.3 W/cm²

DESIGN

- 3 tubular heating elements made of steel
- 35 mm unheated
- brass nipple G 1½
- thermostat 0 to 120 °C, switching difference 3 K, switching capacity see catalogue page 12.5
- bright-galvanized steel-cap, protection type IP 30, with 2nd cable entry for control cable at three-phase current

ELECTRICAL CONNECTION

- up to 3.000 Watt at 230 V single-phase current, thermostat switches directly
- at 230/400 V three-phase current, contactor necessary



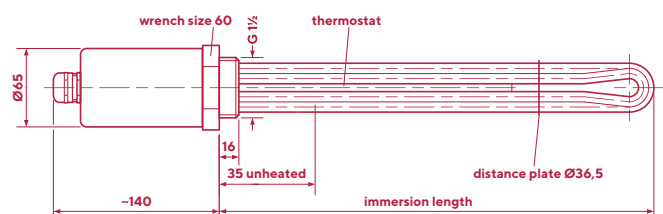
TECHNICAL DATA

IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	SURFACE LOAD (WATT/CM ²)	ARTICLE NO.
455	1000	1,5	01100011
680	1.500	1,5	01100021
880	2.000	1,5	01100031
1100	2.500	1,5	01100041

IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	SURFACE LOAD (WATT/CM ²)	ARTICLE NO.
240	750	2,3	01100111
455	1.500	2,3	01100121
680	2.250	2,3	01100131
880	3.000	2,3	01100141

ALTERNATIVE DESIGN

- other lengths or unheated areas
- other voltage or power
- thread G 2
- brass-screw-cap, protection type IP 65, height 140 mm, cable entry axial
- other materials, steel- or stainless steel nipple mat.-no. 1.4571 (AISI 316Ti)
- other materials, tubular heating elements mat.-no. 1.4541 (AISI 321), 1.4571 (AISI 316Ti) or 1.4828 (AISI 309)



1.11 Screw-in heating element G 1½

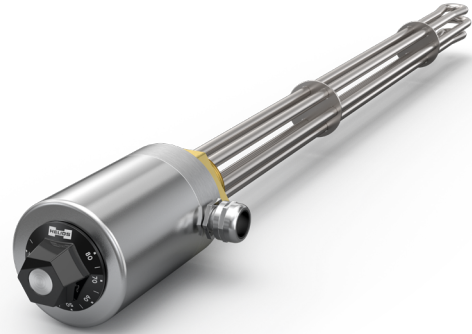
Model C/Th/a/RE/3/G 1½ with thermostat, externally regulated

APPLICATION

- heating up hydraulic oil
- heating up thin oil, heat transfer oil, quenching oil
- specific surface load 1.5 W/cm² or 2.3 W/cm²

DESIGN

- 3 tubular heating elements made of special material mat.-no. 2.4858 (alloy 825)
- 35 mm unheated
- brass nipple G 1½
- thermostat 30 to 110 °C, switching difference 5 K, switching capacity see catalogue page 12.5
- bright-galvanized steel-cap, protection type IP 30, cable entry adjustable by 360°



ELECTRICAL CONNECTION

- up to 3.000 Watt at 230 V single-phase current, single-pole thermostat switches directly
- at 230/400 V three-phase current, three-pole thermostat switches directly

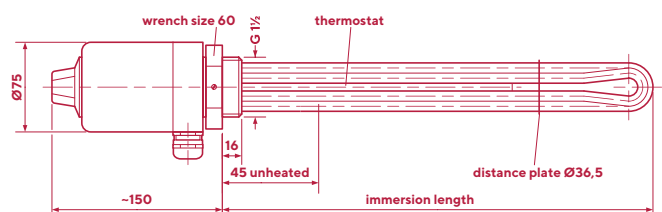
TECHNICAL DATA

IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	SURFACE LOAD (WATT/CM ²)	ARTICLE NO.
455	1000	1,5	01110011
680	1.500	1,5	01110021
880	2.000	1,5	01110031
1100	2.500	1,5	01110041

IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	SURFACE LOAD (WATT/CM ²)	ARTICLE NO.
240	750	2,3	01110111
455	1.500	2,3	01110121
680	2.250	2,3	01110131
880	3.000	2,3	01110141

ALTERNATIVE DESIGN

- other lengths or unheated areas
- other voltage or power
- thread G 2
- thermostat 0 to 85 °C, switching difference 4 K, switching capacity see catalogue page 12.5
- cap, protection type IP 65, Ø 75 mm, height 150 mm, immersion length + 15 mm
- plastic case, protection type IP 65, polycarbonate 80 x 82 x 95 mm
- control light
- other materials, tubular heating elements mat.-no. 1.4541 (AISI 321), 1.4571 (AISI 316TI) or 1.4828 (AISI 309)



1.12 Screw-in heating element G 2

Model C/RE/Th0/2/G 2 with thermostat, internally regulated

APPLICATION

- heating up hydraulic oil or gearbox oil
- heating up thin oils, heat transfer oil
- specific surface load 1.0 W/cm² or 4.0 W/cm²

DESIGN

- 2 tubular heating elements made of special material mat.-no. 2.4858 (alloy 825)
- 40 mm unheated
- steel-nipple G 2
- thermostat 0 to 120 °C, switching difference 3 K, switching capacity see catalogue page 12.5
- steel-cap, protection type IP 30, cable entry adjustable by 360°



ELECTRICAL CONNECTION

- up to 3.000 Watt at 230 V single-phase current, single-pole thermostat switches directly
- 4.000 Watt at 230 V single-phase current, contactor necessary
- up to 1.500 Watt at 400 V (2~) two-phase current, single-pole thermostat switches directly
- from 5.000 at 400 V (2~) two-phase current, contactor necessary

TECHNICAL DATA

IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	SURFACE LOAD (WATT/CM ²)	ARTICLE NO.
290	700	1,0	01120011
390	1.000	1,0	01120021
460	1.250	1,0	01120031
530	1.500	1,0	01120041

IMMERSION LENGTH (APPROX. MM)	POWER (APPROX. WATT)	SURFACE LOAD (WATT/CM ²)	ARTICLE NO.
290	2.800	4,0	01120111
390	4.000	4,0	01120121
460	5.000	4,0	01120131
530	6.000	4,0	01120141

ALTERNATIVE DESIGN

- other lengths or unheated areas
- other voltage or power
- other materials, tubular heating elements mat.-no. 1.4541 (AISI 321), 1.4571 (AISI 316TI) or 1.4828 (AISI 309)

