THERMIS MĚŘÍCÍ A REGULAČNÍ TECHNIKA

H.1.3.

HEATING ELEMENT WITH DIGITAL REGULATION TRG 31

type TRG 31
1 500-12 000W

DESCRIPTION:

• heating element with digital regulation including thermal fuse
• connection material: steel, brass, stainless steel 17 248/1.4541
• rods material: steel, brass, stainless steel 17 248/1.4541, Incoloy 800

APPLICATION:

• food industry
• mechanical engineering
• power engineering
• heating industry
• hydraulics

TECHNICAL PARAMETERS:

• power: 1 500, 2 000, 2 400, 3 000,4 000, 4 500, 6 000, 7 500, 9 000, 12 000W
• regulatory range/ T fuse: 0-90°C/110°C
• adjustable switch difference: 1-16°C
•thermostat delay: 0-9 min
• thread: M48x2, G6/4 or individual
• power supply: 230/400V
• protection: IP 54

SPECIFICATION:

Heating element consists of two parts: heating part is made of three U-shaped heating rods (made of mentioned materials) which are connected to the head by M48x2 or G1½. Terminal board is made of Al cast with IP 54. Other component part parts are a regulatory digital thermostat in mentioned ranges, thermal fuse taht protects the heating element from overheating and glow tube to indicate the current state (heating/not heating). Electric supply is possible from both sides through the OBO-VTEC bushing.

Heating element is designed for direct heating of any liquid (material of the element must be suited to the medium). During operation the element must be constantly immersed in the liquid up to the head. Suitable for operations, where immediate thermoregulation is essential.

• (+420) 545 226 177-184 •
• info@thermis.cz • www.thermis.cz •

• Thermis, spol. s r.o. • Mateří 14 •
• 614 00 Brno • Czech Republic •

Power (W)	Power supply (V)	Immersed length L	Connection thread	Material	Regulatory range / thermal fuse
1500	230/400	290	M48x2, G 6/4´´ atypical connections: G5/4´´, Clamp 100, flange according to DIN	brass, stainless steel 17248/1.4541, Incoloy 800	0-90°C / 110°C
2000	230/400	290			
2400	230/400	290			
3000	230/400	290			
4000	230/400	310			
4500	230/400	335			
6000	230/400	435			
7500	230/400	610			
9000	230/400	670			
12000	230/400	810			

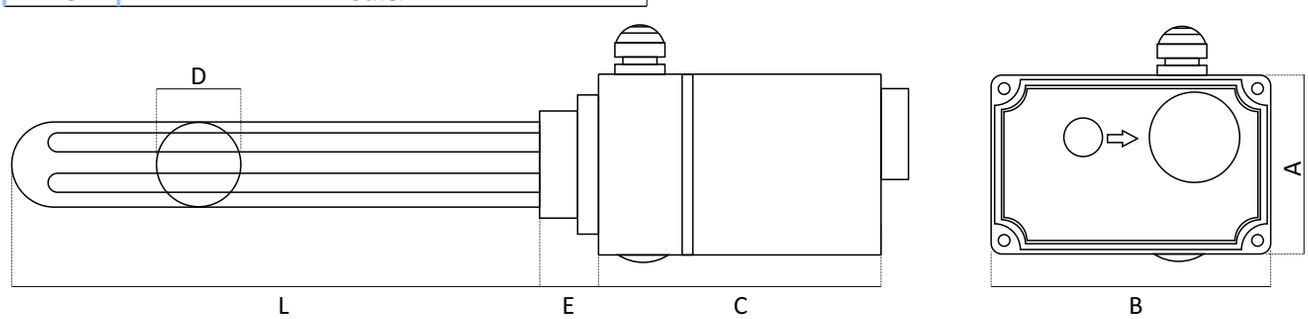
Adjustments on request: - shortened design
- material working and surface finish of submersible rods
- individual colour of the control terminal board
- customized control (electronic thermostat, sensor Pt100, only thermal fuse, etc.)

Order code

TRG31							
	Power	Range / thermal fuse	Thread	Nut	Connector mat.	Mat. TRG	Individual

Code	Power: mention in W
	determine from 1500-12000W
Code	Range / thermal fuse
1	0-90°C / 110°C
Code	Thread
M48	M48x2
G6/4“	G6/4“
O	other
Code	Nut
1	Yes
2	No
Code	Connector material
M	brass
N	stainless steel 17248/1.4541
O	other

Code	Rod material
M	brass
N	stainless steel 17 248/1.4541
I	Incoloy 800
Code	Individual
N	individual non-heating part
P	surface finish
T	other temperature ranges
O	other - specify



Dimensions in mm						
Type	A	B	C	D	E	L
TRG 31	80	125	120	38	22	290, 310, 335, 435, 610, 670, 810

• (+420) 545 226 177-184 •
• info@thermis.cz • www.thermis.cz •
• Thermis, spol. s r.o. • Mateří 14 •
• 614 00 Brno • Czech Republic •