


PRODUCT SPECIFICATION

Industrial boiler heater

Water and steam application

APPLICATION

Industrial heating equipment developed to guarantee high thermal efficiency and avoid CO₂ emissions, to generate up to 7,500 kg/h of steam completely electrically with Thermowatt WS series. 

Those systems are used in a wide range of application as: textile plant, utility or power plant, hospital, hotel, food & beverage, chemical industry and more.

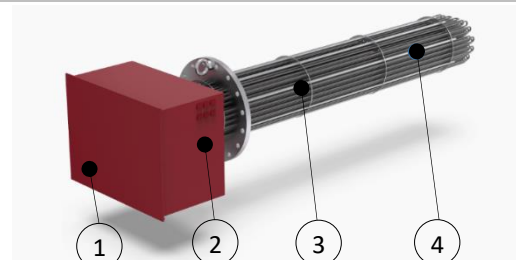
PRODUCT

The product is designed and manufacturing according to **PED 2014/68/EC** or **ASME Sect. VIII Div.1** and compliance with **Electromagnetic Compatibility (EMC)**


MODEL	Flow rate (as reference) [kg/h]	DN	Temp. in [°C]	Temp. out [°C]	Power [KW]	Spare elements	Voltage	Immersed length	W/cm2
WS1_400	350	150	20	180	250	1	400	2200	8,0
WS1_690	350	150	20	180	250	1	690	2200	8,0
WS2_400	700	200	20	180	500	2	400	2600	6,8
WS2_690	700	200	20	180	500	2	690	2600	8,2
WS3_400	1500	400	20	180	1100	6	400	1700	7,6
WS3_690	1500	400	20	180	1100	6	690	1700	7,6
WS4_690	3000	450	20	180	2200	6	690	2200	6,4
WS5_690	5000	600	20	180	3600	6	690	2000	6,4
WS6_690	7500	700	20	180	5500	6	690	2200	6,8

MAIN COMPONENTS

1. JUNCTION BOX
2. FLANGE
3. HEATING ELEMENTS
4. THERMAL SENSOR



FEATURES

TEMPERATURE	Design	250°C
	Working	-40 ...+224 °C
PRESSURE	Design	40 bar
	Working	24 bar
FLANGE	Material	AISI 316L
	Nominal pressure	PN40
HEATING ELEMENTS	Sheath Material	AISI 316L; INCOLOY 800
	Tube dimension Ø [mm]	10mm; 12,5mm; 16mm
SAFETY SENSOR	PT100 / Thermocouple / Thermostat	
JUNCTION BOX	Proof level	IP65
	Material	Carbon Steel painted / Stainless Steel
CERTIFICATION		

JUNCTION BOX TYPE

	DIMENSION			DOOR PANELS
	H	W	D	
WS1/WS2	506	406	200	1
WS3/WS4	800	1200	300	2
WS5/WS6	1200	1200	300	2



RoHS
Compliant