
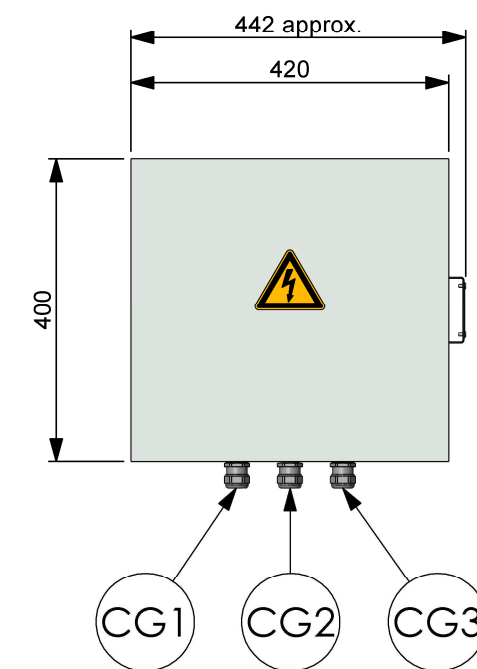
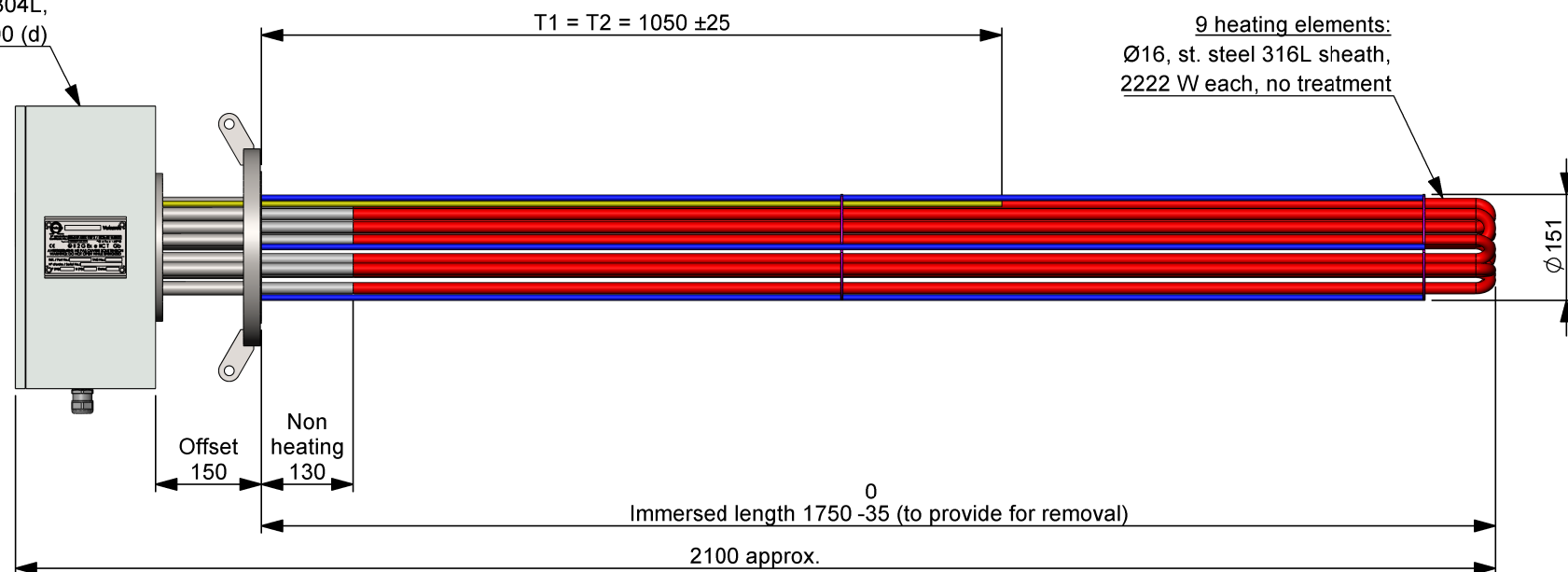


Location: Indoor	Design Temperature (TS): - 7 °C / + 60 °C	Power: 20 kW (+ 5 % / - 10 %)	Coupling: Star	Equipment in accordance with : • ATEX 2014/34/EU
Medium to heat: Water + Glycol	Design Pressure (PS): 4 bar g	Voltage: 3x 440 V + E (± 10 %)	Immersion heater orientation: Horizontal (± 30 °)	
State: Liquid	Min / Max medium temperature : - 7 °C / + 60 °C	Specific load: 1,4 W/cm <sup>2</sup>	Ambiant air temperature: - 7 °C / + 40 °C	
PED fluid category : L2	Min / Max Operating pressure: 4 bar g	Power repartition : 1 stage	Construction code: N / A	
				Certificate: IBExU 07 ATEX 1167X
				Marking: II 2 G Ex e IIC T3 Gb

MBG type Terminal box:  
ATEX "Ex e" certified, st. steel 304L,  
Dimension: 420 (w) x 400 (h) x 200 (d)

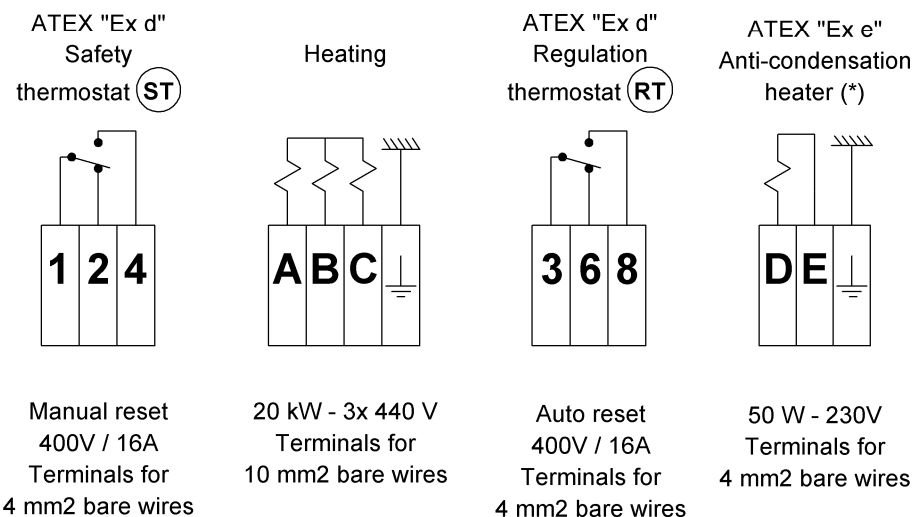


**ATEX equipment certified according to 2014/34/EU directive. Some particular precautions must be taken to allow the secured operation of this equipment. Consult the instructions and operating manual**

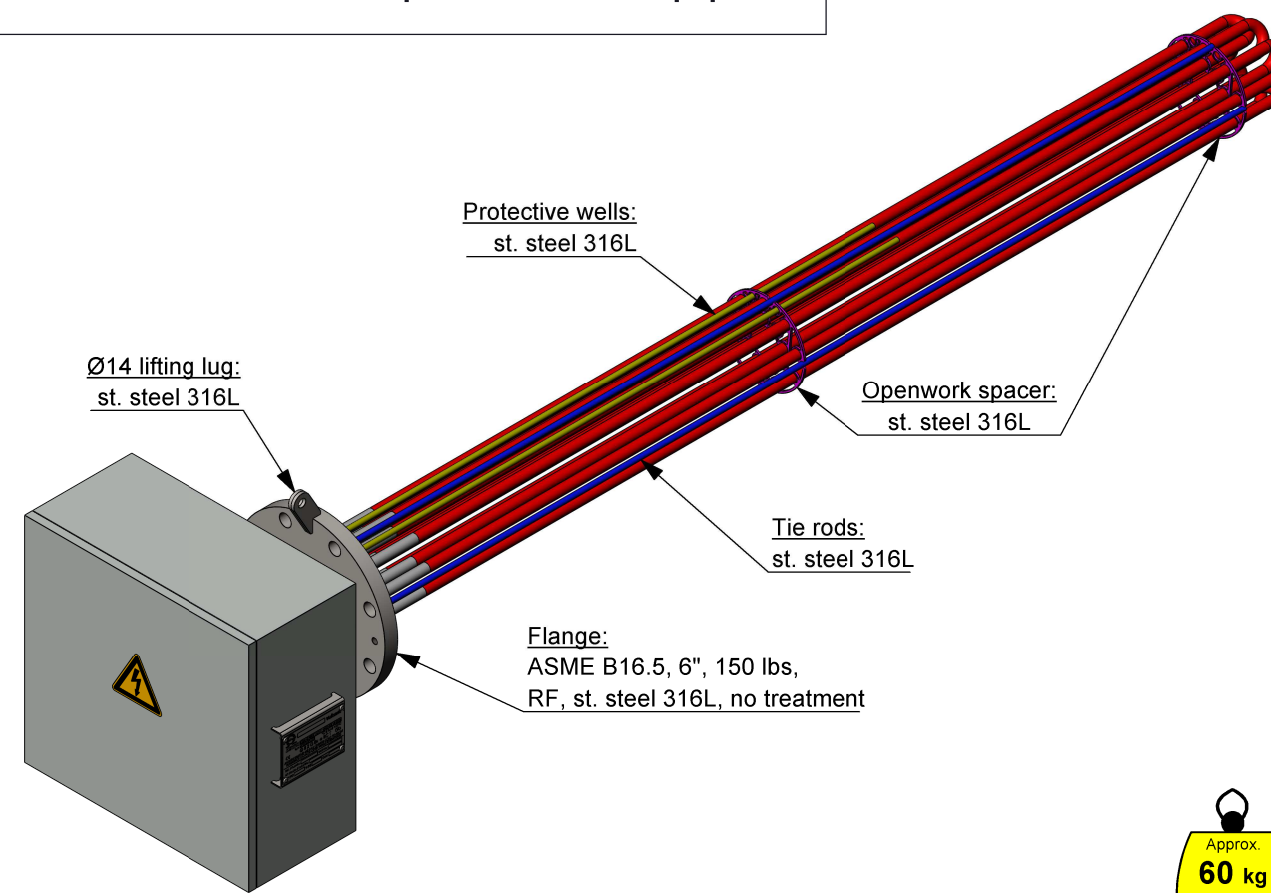
Item	SAFETY/REGULATION DEVICES
ST	Safety thermostat, manual reset, range: 50 °C ~ 300°C, contact: 400 V / 16A, ATEX "Ex d" flameproof certified, inserted into a protective well mounted onto an heating pin.
RT	Regulation thermostat, auto reset, range: 0 °C ~ 120°C, contact: 400 V / 16A, ATEX "Ex d" flameproof certified, inserted into a protective well in direct contact with the medium.


CUSTOMER CONNECTION						
Item	Used for	Designation	Outer sheath capacity	Inner sheath capacity	Material	Qty
CG1	Power supply	ATEX "Ex e" certified cable gland, ISO 25, for non-armored cable	Ø11,5 ~ Ø18	///	Nickel plated brass	1
CG2	Safety & Regulation	ATEX "Ex e" certified cable gland, ISO 25, for non-armored cable	Ø7,5 ~ Ø13	///	Nickel plated brass	1
CG3	Anti-condensation	ATEX "Ex e" certified cable gland, ISO 25, for non-armored cable	Ø7,5 ~ Ø13	///	Nickel plated brass	1

**WIRING DIAGRAM**



(\*) For information only:  
ACH power acc wind velocity:  
- No wind : 50 W  
- 15 km/h wind : 100 W  
- 43 km/h wind : 200 W



The PED is applicable to this flange immersion heater. It is designed, manufactured and checked to be mounted on a vessel made according the directive 2014/68/EU, following the conditions PS and TS described above									
	General tolerances	Sheathed element: +/-5% with mini +/-5 mm	Boiler making: +/-1% with mini +/-5 mm						
	ISO A3	Sheet-iron maker: 0 to 50 mm : +/-0,5 ; 50 to 1000 mm : +/-1 ; > 1000 mm : +/-2	Pyrometry: +/-1% with mini +/-2 mm	A	First issue	30/06/2017	XT BS		
	Mechanic: 0 to 10 mm : +/-0,1 ; 10 to 50 mm : +/-0,2 ; 50 to 100 mm : +/-0,5 ; >100 mm : +/-1-Ray: 0,1 à 0,3 - Angle: +/-30° - Broken angle: 0,1 to 0,3			Rev.	Amendments	Date	Drawn Check		
Draw by	XT	on	30/06/2017	<b>GENERAL ARRANGEMENT DRAWING</b>			Scale	<b>N° 636197.01</b>	REV
Check by	BS	on	30/06/2017				1:10		
<b>Flanged immersion heater - Type 4502743.07 - 20 kW - 3x 440 V</b>									

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