

## Appendix No. 1 - technical specifications

Single-chamber vertical furnace		
Parameters	Unit	Parameter values
Maximum furnace temperature	°C	1000
Continuous operation temperature	°C	900 do 950
Chamber length (heating space)	mm	2000 do 2300
Chamber height *	mm	500
Chamber depth	mm	2200
Number of chambers	szt	1
Roller shelf at mid-height *	n/d	required
Roller drive	n/d	required
Roller material	n/d	n/d
Number of rollers	szt	13
Roller diameter	mm	70
Roller spacing	mm	150
Number of heating zones (top/bottom)	szt	min 2
Chamber working capacity	dm3	min 2200
Kiln structure	n/d	vertical
Furnace adaptation to CQI 9 standard	n/d	Compliance with CQI Process Table I required
Temperature control		At least 3 K-type thermocouples are required, located: 1 near the door 1 near the rear wall 1 in the central part, performing a safety function"
Ready for dew point installation	n/d	It is necessary to install an air distribution system inside the heating chamber with an outlet to the outside in order to connect the DEW POINT
Material heated in the furnace	n/d	Steels with ALSi coating Steels with ALSi PRO coating Steels without coating"
Maximum batch size	kg	35 (2x17.5kg)
Minimum heating time for the maximum batch size from	s	120
Insulation	kWh/m2	Qi min 5kWh/m2
Insulation material	n/d	The manufacturer declares that the stove's thermal insulation is made of a material that is not classified as carcinogenic under Regulation (EC) No. 1272/2008 (CLP). The material meets the requirements of REACH (EC) 1907/2006 and does not contain CMR or SVHC substances in concentrations >0.1% w/w. In the case of fibrous insulation, the fibers used meet the CLP Note Q criteria and are not subject to Carc. 1A/1B/2 classification.
Door construction	n/d	Tilting, 2-part, independent control
Form loading	n/d	The furnace design allows loading/unloading with a forklift manipulator
Power supply	n/d	3 x 400V 50HZ

Furnace control system	n/d	Bidirectional communication in the Profinet system, the ability to remotely set PID controller parameters, control from the system via the master HMI panel (the main control panel of the hot-forming line)"
Chamber heating uniformity	n/d	CQI9 (+/-15C)
Warranty	n/d	min 12 mc
Service response time from notification	n/d	max 48h
CE compliance	n/d	the manufacturer's declaration that the marked product meets the requirements of the so-called "New Approach" directives of the European Union (EU).

The Ordering Party accepts solutions equivalent to those described, guaranteeing parameters no worse than those specified in the aforementioned documentation. A bidder citing equivalent solutions is obligated to demonstrate during the bidding process that the device they offer meets the requirements specified by the Ordering Party.