

**SECO/WARWICK**

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**STANDARD FURNACE  
FOR HEAT TREATMENT  
POSTPROCESSING  
OF AM METAL PARTS**

# STANDARD FURNACE FOR HEAT TREATMENT POSTPROCESSING OF AM METAL PARTS

## TECHNICAL PARAMETERS

## COMMENT

Working zone	250x250x400	400x400x600	600x600x900	900x900x1200	W x H x L
Working zone with binder cage	200x200x300	300x300x500	500x500x800	800x800x1100	W x H x L
Max temp. (standard)	1500°C	1500°C	1500°C	1500°C	
Standard operating vacuum range	10 <sup>-2</sup> mbar	10 <sup>-2</sup> mbar	10 <sup>-2</sup> mbar	10 <sup>-2</sup> mbar	
Leak rate	<2x10 <sup>-3</sup> mbar*l/s	<2x10 <sup>-3</sup> mbar*l/s	<2x10 <sup>-3</sup> mbar*l/s	<2x10 <sup>-3</sup> mbar*l/s	
Partial pressure	10 <sup>-1</sup> ÷ 10 mbar	10 <sup>-1</sup> ÷ 10 mbar	10 <sup>-1</sup> ÷ 10 mbar	10 <sup>-1</sup> ÷ 10 mbar	

## OPTIONS

High vacuum range 10 <sup>-5</sup> mbar	option	option	option	option	
High vacuum range 10 <sup>-6</sup> mbar	option	option	option	option	operating vacuum
Gas cooling 1,5bar abs	option	option	option	option	ultimate vacuum
Gas cooling 6bar abs	option	option	option	option	
Gas cooling 15bar abs	option	option	option	option	option without binder cage
Cooling and process gas options					option without binder cage
Argon	option	option	option	option	
N <sub>2</sub>	option	option	option	option	
H <sub>2</sub>	option	option	option	option	partial pressure up to 20mbar
Amonia	N/A	N/A	N/A	N/A	partial pressure, required in case nitriding processes will be performed
Acetylen	N/A	N/A	N/A	N/A	partial pressure, required in case carburising process will be performed
Heating chamber	Graphite or all metal furnace				

## DEBINDING SYSTEM

Binder cage	option	option	option	option	dedicated for binder jetting technology
Dedicated filter	option	option	option	option	dedicated for binder jetting technology
Scrubber	option	option	option	option	dedicated for binder jetting technology

Customisation is our standard. You are thinking about furnace with different parameter?  
Contact us directly and tell us what you need?

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