

## Annealing and Hardening Furnaces N 7/H - N 61/H



N 7/H as table-top model



N 41/H

### N 7/H - N 61/H

To withstand harsh use in the laboratory, e.g. when heat-treating metals, robust insulation with light refractory bricks is necessary. The N 7/H - N 61/H models are a perfect fit to solve this problem. The furnaces can be extended with a variety of accessories, like annealing boxes for operation under protective gas, roller guides, or a cooling station with a quenching bath. Even high-performance applications like the annealing of titanium in medical applications can be implemented without the use of expensive and complicated annealing systems.

- Tmax 1280 °C
- Three-sided heating from both sides and the floor
- Heating elements on support tubes ensure free heat radiation and a long service life
- Floor heating protected by heat-resistant SiC plate
- Multilayer insulation with high-quality lightweight refractory bricks in the furnace chamber
- Exhaust opening in the side of the furnace, or on back wall of furnace in the N 31/H models and higher
- Models N 7/H - N 17/HR are designed as tabletop models
- Stand included with model N 31/H and up
- Parallel swinging door which opens downward, or upward upon request
- Manual or automatic gassing system
- Please see page 48 for a description of various controllers



Working with protective gas boxes for a protective gas atmosphere using a loading carriage

Model	Tmax °C	Inner dimensions in mm			Volume in L	Outer dimensions in mm			Power kW	Electrical connection*	Weight in kg	Minutes to Tmax
		w	d	h		W	D	H				
N 7/H	1280	250	250	120	7	720	640	510	3,0	single-phase	60	180
N 11/H	1280	250	350	140	11	720	740	510	3,6	single-phase	70	180
N 11/HR	1280	250	350	140	11	720	740	510	5,5	3-phase <sup>1</sup>	70	120
N 17/HR	1280	250	500	140	17	720	890	510	6,4	3-phase <sup>1</sup>	90	120
N 31/H	1280	350	350	250	31	840	1010	1320	15,0	3-phase	210	105
N 41/H	1280	350	500	250	41	840	1160	1320	15,0	3-phase	260	120
N 61/H	1280	350	750	250	61	840	1410	1320	20,0	3-phase	400	120

<sup>1</sup>Heating only between two phases

\*Please see page 48 for information on mains voltage