

# Forced Convection Chamber Furnaces up to 500 Liter with Safety Technology

for charges containing solvents according to EN 1539

Due to their very good temperature uniformity, these chamber furnaces with air circulation and safety equipment based on EN 1539 Type A are especially suitable for processes such as drying paints or components with residues of flammable cleaning agents or the evaporation of solvents bound in the components.



Forced convection chamber furnace NA 120/45 LS

## Standard Equipment

- Design based on forced convection chamber furnaces see page 48
- High-powered heating to maintain the required air exchange rates
- Powerful exhaust air fan to ensure underpressure in the furnace
- Defined and monitored air circulation and exhaust air
- Visual and audible malfunction signals
- Over-temperature limiter with manual reset as over-temperature protection for the furnace and the charge
- Controller with touch operation P570 (50 programs with each 40 segments), controls description see page 84

## Additional Equipment

- EN 1539 with reduced exhaust air flow rate to 25 % after the main evaporation time to save energy
- EN 1539 with temporary switching off for processes in which no flammable substances are released

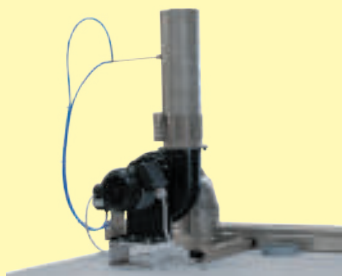
Model	Tmax in °C	Inner dimensions in mm			Volume in l	Outer dimensions <sup>1</sup> in mm			Heating power in kW <sup>2</sup>	Exhaust air flow rate in m <sup>3</sup> /h	Maximum volume of solvent in g at temperature:				
		w	d	h		W	D	H			75 °C	150 °C	250 °C	350 °C	450 °C
NA 120/45 LS	450	450	600	450	120	1250	1550	1950	18	100 - 120	51	20	9	5	4
NA 250/45 LS	450	600	750	600	250	1350	1650	2080	24	100 - 120	93	36	17	9	7
NA 500/45 LS	450	750	1000	750	500	1550	1900	2220	24	100 - 120	104	42	21	12	9

<sup>1</sup>External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

<sup>2</sup>Depending on the furnace design, connected load might be higher



Sluice furnace N 560/26HACLS with safety package, loading from the front and unloading from the back



Fresh-air opening and powerful exhaust air fan installed on the furnace



Interior with metal shelf, thermocouples and pressure monitoring