



LHS 21S CLASSIC



LHS 21S PREMIUM

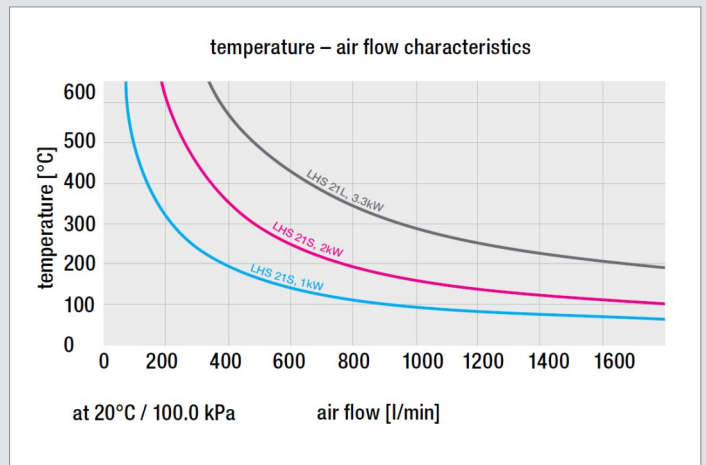


LHS 21S SYSTEM

LHS 21 Air Heater

The LHS 21 air heater provides the same power as its predecessor in a smaller package. Offering 1.0-3.3 kW of heating power this tool can provide hot air at temperatures of up to 650°C. The Leister line of LHS air heaters are suitable for building into machines, installations or appliances and are designed for continuous operation.

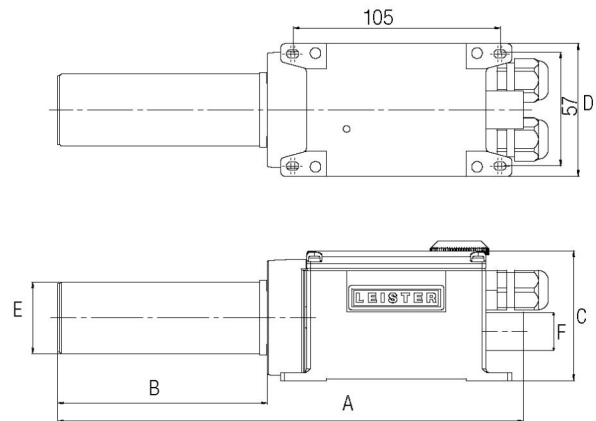
- Compact for installation into machines or other tight spaces
- Reliable, patented heat element protection
- Low maintenance costs
- Designed for continuous operation
- Standard control interface for easy integration into existing controls
- Available in three types:
 - CLASSIC: for permanent full heat capacity; passive overheat protection
 - PREMIUM: for manual adjustment of the heating power; active overheat protection
 - SYSTEM: for manual closed-loop adjustment of the temperature or external control; active overheat protection; various operating modes possible



Technical Data

Type		21S		21L	
Voltage	V	120	230	120	230
Power consumption	kW	1.0	2.0	1.0	3.3
Min. air flow	l/min	120	120	240	
Max. air pressure	kPa	100	100	100	
Max. outlet temp.	°C	650	650	650	
Max. inlet temp.	°C	65	65	65	
Noise level	dB	<70	<70	<70	
Weight	g	500	500	600	
Approval markings		CE, QPS	CE, QPS	CE, QPS	
Electrical protection		Class II	Class II	Class II	

Installation dimensions in mm



Type	A	B	C	D	E	F
LHS 21S	236	106	66	67	∅ 36.5	∅ 19.5 G 3/8"
LHS 21L	266	136	66	67	∅ 36.5	∅ 19.5 G 3/8"

LHS CLASSIC vs. PREMIUM vs. SYSTEM



LHS CLASSIC

- Heating power not adjustable
- Maximum temperature output 600°C
- Detection of heating element and device overheating with alarm output



LHS PREMIUM























- Heating power adjustable via potentiometer
- Maximum temperature output 650°C
- Protection against heating element and device overheating with alarm output
- Open-loop temperature control



LHS SYSTEM

- Heating power and temperature adjustable via either potentiometer or external controller
- Maximum temperature output 650°C
- Protection against heating element and device overheating with alarm output
- Remote control interface included in the form of screw terminals
- Contains an internal thermocouple which allows for closed-loop temperature control using only the tool and a blower
- Closed-loop temperature control also available when used with an external controller and thermocouple
- Digital display provides actual output temperature readout as well as either a set-point display or a current percent power utilization display
- Internal dipswitches allow for the selection of:
 - °C or °F on digital display
 - Control by potentiometer or external controller
 - Internal closed-loop PID control active or inactive

LHS 21 Accessories

					
125.316: Flange connector Ø36.5 mm to Ø62 mm	149.942: Round nozzle Ø22 mm outlet	105.435: Wide slot nozzle 20 x 2 mm	107.261: Wide slot nozzle 70 x 4 mm	108.078: Wide slot nozzle 100 x 4 mm	105.982: Wide slot nozzle 150 x 4 mm
					
105.454: Tubular nozzle Ø9 mm, 50 mm	107.003: Tubular nozzle Ø12 mm, 25 x 50 mm, without clamps	107.002: Tubular nozzle Ø12 mm, 25 x 50 mm, with clamps	105.446: Tubular nozzle Ø25 mm, 25 x 95 mm	107.251: Tubular nozzle Ø35 mm, 210 mm	106.132: Shell reflector 150 x 26 x 44 mm
					
107.308: Sieve reflector 50 x 34 mm	107.309: Sieve reflector 35 x 20 mm	107.314: Spoon reflector 33 x 27 mm	107.319: Sieve reflector Ø65 mm	150.194: Heater tube with protection tube	133.515: Thermocouple holder
					
142.230: Adapter plate for LHS 21 instead of LHS 20	143.480: Adapter plate for LHS 21 instead of LE 3000	144.037: Compressed air connection G3/8"	150.098: Air inlet reduction valve		