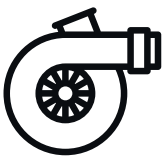


# PROCESS OPTIMISATION WITH HOT AIR



## LE-P AIR HEATERS



### Generate an air flow

Powerful, tried-and-tested blowers generate the airflow required for the application.



### Guide the air

Air ducting systems made of heat-resistant air hoses guide the airflow from the blower to the point of use.



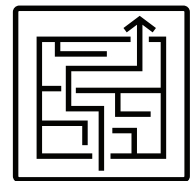
### Heat the air

Electrically powered air heaters ensure the air is heated to the required temperature.



### Regulate the temperature

Microprocessor controlled regulators ensure precisely maintained temperatures when hot air is used.



### Apply the hot air

At the point of use, the hot air is accurately fed through special nozzles for use in the respective application.

## LE-P AIR HEATERS



The electrically powered air heaters of the LE-P series are mainly used where large quantities of gaseous media have to be heated. LE-P air heaters can be found, for example, in drying systems, hot-air shrink systems, heating cabinets, hot-air ducts and preheating systems. The heating elements and housings are made of high-quality stainless steel, which is why they heat dry, moist and mildly aggressive air as well as nitrogen in fresh air or recirculating air operation. The equipment is easy to control and, with its compact dimensions, can be installed with only a small footprint. All versions are designed for continuous operation. The air heaters are fully thermally insulated (with the exception of the inlet and outlet nozzles). The devices are available with an output of 24 – 72 kW, and special designs are possible. Inlet temperature in recirculating operation is max. 300 °C, continuous outlet temperature is 350 °C. Customized layout pressure-resistant up to 5 bar (LE-D).

### Base set:

- Housing made of stainless steel (1.4301)
- Heating elements made of stainless steel (1.4301)
- Terminal boxes made of powder-coated sheet steel

### Optional items:

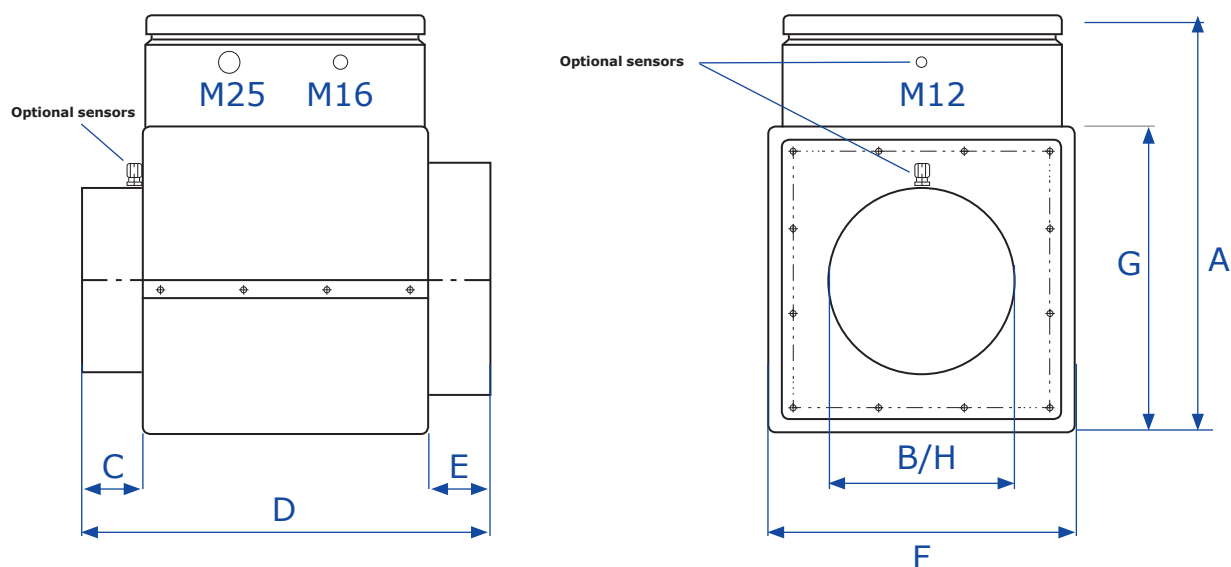
- Throttle valves  
Order No. 400190601 [outlet side]  
Order No. 400190605 [inlet side]
- Temperature sensor  
Order No. 40019002, Order No. 40019004
- Mounting brackets Order No. 901101

### Options

- Air volume throttle damper on inlet or outlet side
- Outlet flange plate is manufactured according to customer specifications
- Connecting flanges for inlet and outlet are manufactured according to customer specifications
- Mounting elements for enclosures are manufactured according to customer specifications
- Nozzles for hot air distribution, special systems on request
- DIN-compliant overtemperature protection relay has an adjustable cut-off temperature
- Temperature sensor Pt 100 C600 on outlet side
- Temperature sensor NiCr-Ni or similar on outlet side
- Air flow monitoring on inlet side by means of differential pressure switch, pressure-wave switch or air flow monitor
- Temperature regulated by means of electronic controllers
- Power electronics: solid-state relay complete with heat sinks



**Installation dimensions**



Designation (details in mm)	Dimensions	LE-P 124 24 kW	LE-P 136 36 kW	LE-P 148 48 kW	LE-P 172 72 kW
Total height	A	450	450	450	450
Diameter of inlet nozzle	B	250 max.	250 max.	250 max.	250 max.
Length of outlet nozzle, including funnel	C	50	50	50	50
Total length with inlet and outlet nozzles	D	405	600	705	905
Length of inlet nozzle, incl. funnel	E	50	50	50	50
Width of the housing	F	330	330	330	330
Height of the housing	G	330	330	330	330
Diameter of the outlet nozzle	H	250 max.	250 max.	250 max.	250 max.

Model	Order No.	Output kW	Voltage V	Description
LE-P 124	40018124	24,0	3 x 400	With overtemperature protection
LE-P 136	40018136	36,0	3 x 400	With overtemperature protection
LE-P 148	40018148	48,0	3 x 400	With overtemperature protection
LE-P 172	40018172	72,0	3 x 400	With overtemperature protection

**Other sizes and capacities on request**