

# LEISTER Labor S

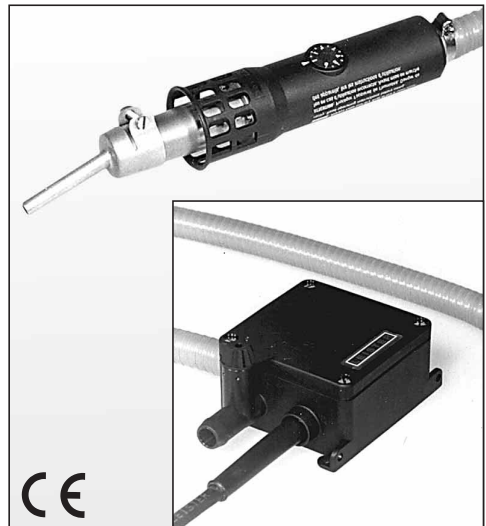
## Hot-Air Pistol



Read operating instructions carefully before use and keep it for further reference.

### APPLICATION

- The LEISTER Hot Air Pistol Labor S are hand tools. The version mains connection box is also suitable for building into machines, installations and appliances and is designed for continuous operation.
- **Soldering and de-soldering** of SMD and thru-hole components.
- **Welding** of thermoplastic materials and also single-ply flexible plastics and modified bitumen in the form of boards, tubes, profiles, lining membranes, coated materials, films, foams, tiles and sheets. The following procedures are possible: overlap welding, welding with rod, with tape, tack welding and melt welding.
- **Shrinking** of heat shrink sleeves, films, tapes, solder sleeves and moulded parts.
- **Activating/loosening** solvent free adhesives and melt adhesives.
- **Drying** of water-damp surfaces.





## WARNING



**Danger to life** when opening the tool, as live components and connections are exposed. Unplug the tool before opening it.



Incorrect use of hot air blowers can cause **fire and explosion hazard**, especially near combustible materials and explosive gases.



Do not touch the element housing and nozzle when they are hot as they can cause **burns**. Let the tool cool down. Do not point hot air flow in the direction of people or animals.



## CAUTION



The **voltage rating** stated on the tool must correspond to the line/mains voltage.



For personal protection on building sites we **strongly recommend** the tool be connected to a **GFCI** (Ground Fault Circuit Interrupter) or a **RCCB** (Residual Current Circuit Breaker).



The tool must be operated **with supervision**. Warmth can reach combustible materials, which are out of sight.



Protect tool from **damp** and **wet**.

## APPROVAL MARKS



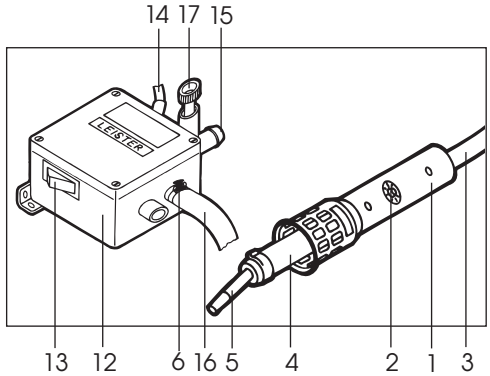
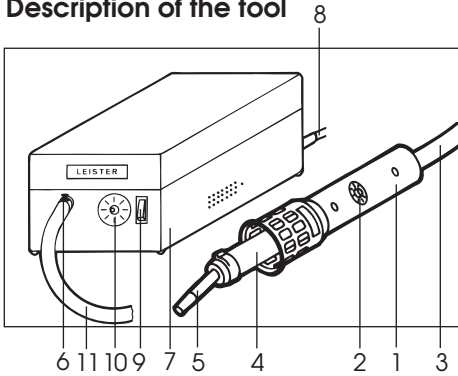
Das Gerät ist **CCA** zertifiziert  
(CENELEC Certification Agreement)

Electrical safety:  **DOUBLE INSULATED**

TECHNICAL DATA		Blower box	Mains connection box
Voltage	V~	100, 120, 200, 230 ★	100, 120, 200, 230 ★
Power consumption W		520, 700, 660, 900	420, 600, 580, 800
Frequency	Hz	50/60	50/60
Temperature	°C	20 – 600	20 – 600
Air flow	l/min.	170 – 350	min. 80
Air pressure	mbar	40 – 110	max. 500
Noise level	dB (A)	52 – 58	
Weight	g	150 pistol	150 pistol
Weight	kg	2,7 complete	1,1 complete
Size	mm	Ø 40 x 180 pistol	
Size	mm	250x160x125 blower box	
Size	mm	89x130x56 mains connection box	

★ mains voltage cannot be switched over

Description of the tool



Pistol

1. Handle
2. Potentiometer for temperature adjustment
3. Air hose
4. Tapered element housing
5. Nozzle
6. ESD-lead connection stud

Version with blower box

7. Box for blower
8. Cable to mains
9. On/off switch
10. Potentiometer for air flow adjustment
11. Air and power supply for pistol

Version with mains connection box

12. Mains connection box
13. On/off switch
14. Cable to mains
15. Air connection (input)
16. Air and power supply for pistol
17. Air flow reduction screw

Operating Condition

- As required, push-fit appropriate **nozzle (5)**.
- Connect tool with ESD-version at the **ESD-lead connection stud (6)** to ground.
- Connect tool to the mains.
- **Switch on (9)** air supply.
- The air flow is steplessly adjustable by use of the **potentiometer (10)**.
- The hot air temperature is steplessly adjustable by use of the red **potentiometer (2)**.
- Allow tool to warm up for about 5 minutes.

Operating Condition

- Connect **mains connection box (12)** to the air supply. Use LEISTER blower or compressed air at reduced pressure.
- As required, push fit appropriate **nozzle (5)**.
- The air flow is steplessly adjustable by use of the **reduction screw (17)**.
- Connect tool with ESD-version at the **ESD-lead connection stud (6)** to ground.
- Connect tool to the mains.
- **Switch on (13)** tool.
- The hot air temperature is steplessly adjustable by use of red **potentiometer (2)**.
- Allow tool to warm up for about 5 minutes.

## Operation

- The LEISTER Company, as well as the Service Centres, offer free training courses in all areas of application (see page 1).

## Change of nozzles

- Before changing nozzles, allow the tool to cool down, or use only combination pliers.
- Do not touch hot **nozzle (5)** and make sure to put it only on a heat resistant surface, because of the **fire hazard**.
- The nozzles are easily pushed onto the tapered **element housing (8)** and are then secured by fastening the screw on the clamp.
- Only LEISTER nozzles should be used.

## ACCESSORIES

- Use only LEISTER accessories.

## MAINTENANCE

- Clean the **welding nozzle (5)** with a wire brush.

## SERVICE AND REPAIRS

- The carbon brushes of the welding tool's motor should be checked after about 700 hours running time by your Service Centre.
- Repairs should only be carried out by authorised **LEISTER Service Centres**. They guarantee a specialised and reliable **Repair Service within 24 hours** using original spare parts lists.

## GUARANTEE AND LIABILITY

- Guarantee and liability are in accordance with the guarantee certificate as well as with the currently valid general business and sales conditions.
- LEISTER Process Technologies rejects any guarantee claims for tools which are not in their original condition. The tools must never be altered or changed.

**Technical data and specifications are subject to change without prior notice.**

Service Center: STAR Process Heat Systems, NJ - 877-782-7747