

LEISTER Triac PID

Hot Air Blower



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

APPLICATION

- **Welding** of thermoplastic materials as well as 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, butt welding and melt welding
- **Heating-up** for forming, bending and sealing of thermoplastic semi-finished materials and plastic granules
- **Drying** of water-damp surfaces
- **Shrinking** of heat-shrink sleeves, films, tapes, solder sleeves and moulded parts
- **Soldering** of copper pipes, solder joints and metal foils
- **Defrosting** of frozen water pipes
- **Activating/dissolving** of solvent free adhesives and fusion adhesives
- **Igniting** of wood shavings, paper, coal or straw in furnaces





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 heater tube and nozzle when they are hot. They may 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**. Heat can reach combustible materials, which are out of sight. Store the tool indoors when not in use - out of the reach of children.



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

APPROVAL MARKS



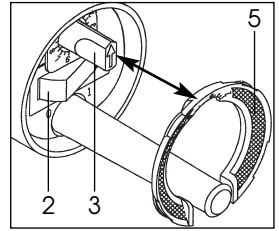
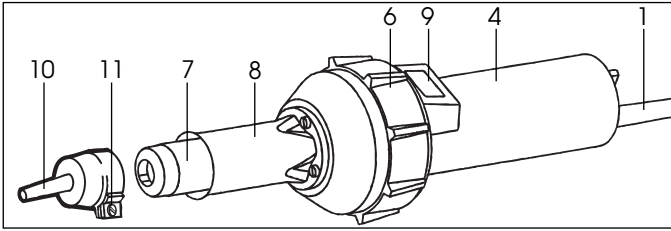
This tool is **CCA** certified (CENELEC Certification Agreement).

TECHNICAL DATA

Electrical safety: **DOUBLE INSULATED**

Voltage	V~	100	120	200	230	50/60Hz	Line/mains voltage can not be switched over
Power consumption	W	1400	1600	1400	1600		
Temperature	°C	50 – 600, infinitely controlled					
Air flow	l/min.	max. 230 (without nozzle)					
Air pressure	Pa	ca. 3000 (30 mbar), after ca. 24 h operating time					
Noise emission level	L _{pA} (dB)	65					
Weight	kg	1.4 with 3m cord					
Size	mm	ø 100 × 340, Handle ø 56					

Description of the tool



- | | | |
|---|-----------------|---------------------------|
| 1. Power supply cord | 4. Handle | 8. Cool protection tube |
| 2. Main switch | 5. Air filter | 9. Digital display |
| 3. Potentiometer for temperature adjustment | 6. Rubber stand | 10. Nozzle (not included) |
| | 7. Heater tube | 11. Screw on the clamp |

Digital display (9)



ACTUAL value
SET value
 Resolution 5°C, 10°F



Error
 L1... L99

Readiness for working

- Fit appropriate nozzle as required.
- Connect tool to the line/mains.
- Switch on **main switch (2)**.
- Adjust the hot air temperature by using the **potentiometer (3)** and heat up the tool for approximately 5 minutes.
 The temperature can be checked with a thermocouple about 5 mm inside the nozzle, when using round nozzles in the centre of the nozzle, when using draw nozzles in the main nozzle opening. The diameter of the thermocouple must not be more than 1 mm max. (in accordance with DVS 2208 part II).



Operation

- LEISTER Process Technologies as well as the Service Centres offer free training courses for all applications (see page 1).
- Carry out a test weld with the material according to the manufacturer's welding instructions and national guidelines or regulations.
- Check the test weld.
- Set welding temperature (welding parameter) as required.
- Allow tool to cool down after use.

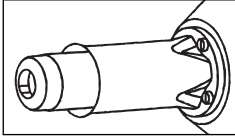
Measures to be taken during Error warning

- Set **potentiometer (3)** to position 0 or unplug tool from the line/mains for 5 seconds (automatic electronic circuit reset).
 - Allow tool to cool down.
 - Check air flow and line/mains supply.
 - Set **potentiometer (3)** back to desired position and/or plug tool to the line/mains.
- If the unit is still not functioning, contact a LEISTER service centre and provide details of the fault.

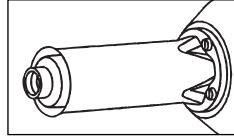
Change of nozzles

- Let tool cool down. Change nozzle using multi-purpose pliers/screwdriver/spanner.
- Do not touch hot **nozzle (10)** and make sure to place it on a heat resistant surface, because of fire hazard.
-  Slide the **nozzle (10)** on the **heater tube (7)** and fix the nozzle by the **screw on the clamp (11)**.
-  Screw on the **nozzle (10)** and secure using a spanner.
- Use only LEISTER nozzles.

VERSIONS



Heater tube with cooled protection tube for LEISTER **push-fit nozzles**



Heater tube with cooled protection tube for LEISTER **screw-on nozzles**

ACCESSORIES

- Use only LEISTER accessories.

MAINTENANCE

- Clean polluted **air filter (5)** with a small brush or replace it.
- Clean welding nozzle or draw nozzle with a steel brush.
- Check **power supply cord (1)** and plug for electrical and mechanical damage.

SERVICE AND REPAIRS

- The motor switches off automatically when the brushes reach their minimum length. Have the tool checked by your Service Centre. The life of the brushes is about 1600 running hours of the welding tool's motor.
- Repairs should be carried out by authorised **LEISTER Service Centres** only. They guarantee a specialised and reliable **Repair Service within 24 hours** using original spare parts according to schematics and 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.

Your authorised Service Centre is: