

LEISTER Diode □ Hot Air Pistol



Please read operating instructions carefully before use and keep for further reference.

APPLICATION

- The Hot Air Pistol Diode is designed for continuous operation and is suitable as a hand tool or for building into machines, installations and appliances
- **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, 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** copper pipes, solder joints and metal foils
- **Activating/dissolving** of solvent free adhesives and fusion adhesives.
- **Separating and fusing** synthetic fibres and fabrics
- **Removing** plastic mould flash and putting a **shine** on plastic 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**.

TEST SIGNS



TECHNICAL DATA

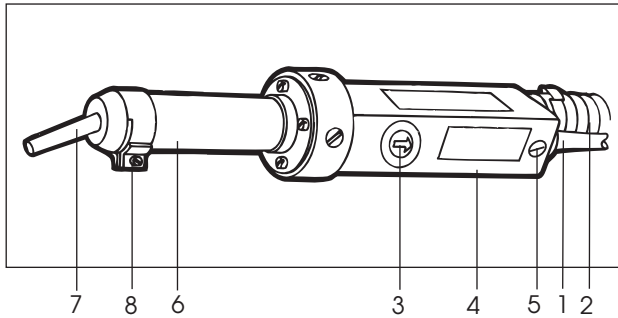
Voltage	V~
Power consumption	W
Frequency	Hz
Temperature	°C
Air flow	l/min.
Weight	kg
Size	mm

Electrical safety: ☒ **DOUBLE INSULATED**

42, 120, 230
900, 1400, 1600
50/60
20 – 700, steplessly controllable
max. 250, manual air regulating screw
425, 1150 with 3 m cord and 3 m air hose
265 x □ 35

Mains voltage cannot
be switched over

Description of tool



1. Cable to mains
2. Air hose
3. Potentiometer for temperature adjustment
4. Handle
5. Air regulating screw
6. Tapered element housing
7. Nozzle
8. Clamp with screw to push-fit nozzle

Operating Condition

- Air supply
The Hot Air Pistol Diode, needs either the High Pressure Blower LEISTER Minor, Longlife or Robust for air supply. When using compressed air, an oil and water filter must be connected. The air flow can be steplessly adjusted with the **air regulating screw (5)** of the Diode or with a LEISTER air flow adjuster attached to the blower.
- As required, push-fit appropriate **nozzle (7)**.
- Connect tool to the mains.
- Adjust the hot air temperature with the **potentiometer (3)**.

ATTENTION

- **The Hot Air Pistol should be placed on a heat resistant surface. The tool must not be operated without air supply.**
- Allow the Hot Air Pistol to warm up for about 5 min.

Operation

- The LEISTER Company, as well as the Service Centres, offer free training courses and advice 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 (7)** 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 (6)** and are then secured by fastening the **screw on the clamp (8)**.
- Only LEISTER nozzles should be used.

ACCESSORIES

- Use only LEISTER accessories.

MAINTENANCE

- Clean the **welding nozzle (7)** with a wire brush.

SERVICE AND REPAIR

- 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.

Your authorized Service Centre is: