

OPERATING INSTRUCTIONS

BAK - MARON

Hot Air Tool



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

APPLICATION

The **BAK Hot Air Tool MARON** is designed for continuous operation and is suitable as a hand tool or for building into machines.

- **Welding** of thermoplastic material.
- **Heating-up** for forming and bending of thermoplastic semi finished materials.
- **Drying** of water-damp surfaces.
- **Shrinking** of heat-shrink sleeves, films, tapes, solder sleeves and moulded parts.
- **Separating and fusing** synthetic fibres and fabrics.
- **Deflashing** of synthetic material 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 of life when opening the tool, as live components and connections are exposed. Unplug the tool before opening it!



Fire and explosion hazard can be caused by an incorrect use of the hot air blower, especially near combustible materials and explosive gases.



Danger of burns! Do not touch the element housing and nozzle when HOT, let the tool cool down. Do not point the 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.



GFCI/RCCB: for personal protection on building sites we **strongly recommend** to connect the tool to a **GFCI** (Ground Fault Circuit Interrupter) or to a **RCCB** (Residual Current Circuit Breaker)



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



Protect the tool from damp and wet.

TECHNICAL DATA

CE

Electrical safety: **Double isolated**



Voltage	V~	230/120
Power consumption	W	1550/1600
Frequency	Hz	50/60
Temperature	°C	20-650
Air flow	l/min.	min. 40
Air pressure	bar	max. 8
Weight	kg	0.75 with 3m cable
Size	mm	295x62

OPERATION CONDITION

The hot air tool Type BAK Maron needs either the High Pressure Blower BAK Soron or HD140 for air supply. When using compressed air, an oil or water filter must be connected. The air flow can be steplessly adjusted with the BAK air flow adjuster attached to the blower.

- As required, fit appropriate nozzle.
- Connect the hot air tool with the high pressure blower
- Switch on the high pressure blower
- Connect the tool to the mains
- Adjust the hot air temperature of the **potentiometer**.

The temperature can be checked with a thermocouple about 5mm inside the nozzle. The diameter of the thermocouple must not be more than 1mm max. (in accordance with DVS 2208 part II). Allow the hot air tool to warm up for about 3 min.

ATTENTION

The hot air tool should be placed on a heat resistant surface. The tool must not be operated without air supply.

OPERATION

- BAK Thermoplastic Welding Technology as well as the service centres offer free training courses for all applications.
- Execute a welding test after national norms and directives.
- Check the welding test.
- As required, adjust welding temperature or air flow.
- After use always let the tool cool down.

CHANGE OF NOZZLES

- Allow the tool to cool down before changing nozzles or use only combination pliers/spanners.
- Do not touch the hot nozzle and make sure to place it only on a heat resistant surface, because of **fire hazard**.
- Only BAK-nozzles should be used.

ACCESSORIES

- Only BAK-accessories should be used.
- Air hose 14mm
- Hose clip for air hose

TYPES

The Hot Air Tool Type Maron is with a **heat protection tube for push-fit nozzles** or a **heat protection tube for screw-on nozzles** available.

MAINTENANCE

- Nozzles should be cleaned with a wire brush.

SERVICE UND REPAIRS

- Repairs have to be carried out only by **BAK Service-Centres**. They guarantee a specialized and reliable repair service **within 24 hours** using original parts as per spare parts list.

GUARANTEE AND LIABILITY

- Guarantee and liability are in accordance with the guarantee certificate as well as the currently valid general business and sales conditions.
- **BAK** Thermoplastic welding technology rejects any guarantee claims for tools which are not in original conditions. The tool must never be modified.

The tool must not be used by children or people with limited physically, sensory or mental ability. Children must be supervised to prevent that they play with the tool.

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

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OPERATING INSTRUCTIONS

BAK - SORON

High Pressure Blower



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

APPLICATION

- **Air supply for Hot air tools and Hot air pistols.**
- **For intake air supply and for cooling.**
- **It is suitable for delivering air, non combustible, non corrosive and non explosive gases.**





WARNING



Danger of life when opening the tool, as live components and connections are exposed. Unplug the tool before opening it! Electric work shall only be operated by a qualified person.



Fire and explosion hazard can be caused when using the High Pressure Blower near combustible materials and explosive gases.



CAUTION



The voltage rating stated on the tool should correspond to the mains voltage. The power outlet or rather the connector of the supply line must be easily approachable.



For personal protection, we strongly recommend the tool being connected to a **RCCB (Residual Current Circuit Breaker) / GFCI (Ground Fault Circuit Interrupter)** before using it on building sites.



Protect tool from damp and wet.

TECHNICAL DATA

CE

Electrical safety: **Double isolated**



Voltage	V~	230 / 120
Power consumption	W	100
Frequency	Hz	50/60
Air flow	l/min.	ca. 400
Static pressure	Pa	ca. 5000
Weight	kg	1.2 with 3m cable
Size	mm	240x98

OPERATION

- Connect air hose to air outlet with a clamp or screw band. If possible use short hoses to prevent loss of air flow.
- Connect tool to the mains.
- Switch on.
- The blower should only take in air at < 60°C.

MAINTENANCE

- The tool's air filter should be cleaned with a fine brush or replaced.

SERVICE AND REPAIR

- At a minimal length of the carbon the tool automatically switches off.
The carbon brushes in the motor should be checked by your Service Centre after about 1000 hours running time.
- Repairs should only be carried out by authorised **BAK-Service-Centres**. They guarantee a specialised and reliable **Repair Service within 24 hours** using original parts as per spare parts list.

GUARANTEE AND LIABILITY

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- **BAK** Thermoplastic welding technology rejects any guarantee claims for tools which are not in their original condition. The tools must never be altered or changed.

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