

Hot air tool type WELDON

OPERATING MANUAL



SAFETY



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



Danger of fire and explosion if the device is used incorrectly. Demonstrate the necessary caution when using the welding machine near combustible materials. Never use the device in inflammable areas.



Danger of burns

Do not touch the hot air device when it is still hot. Let the device cool down.



Connect the device to a **socket with protective earth conductor**. Any interruption of the protective earth conductor within or outside the device is dangerous! Only use extension cables with protective earth conductor and a minimum diameter of 2.5 mm².

The **voltage rating** stated on the nameplate must correspond to the mains voltage.



The **voltage rating** stated on the tool must correspond to the line/mains voltage. Consult your local electricity supplier if necessary.



For personal protection, the device must be connected to a **residual current circuit breaker** before using it on construction sites.



Do not leave the device unobserved. Hot air radiation of the hot air device may ignite combustible materials. Heat may reach inflammable materials that are not visible or obvious.



Protect the device from damp and wet!

WARRANTY AND LIABILITY

Warranty and liability apply from the date of purchase (documented by the invoice/delivery note) according to the currently valid general terms of business from BAK. BAK refuses to honour any warranty for devices which are not in their original condition. BAK devices may never be reconfigured and/or modified.

BAK reserves the right to deny any responsibility if this is ignored. No liability can be assumed by BAK for incorrect installation and/or use as well as natural wear and tear of components (e.g. heating elements).

Note:

This operating manual must be available to the installation and operating personnel at all times. Read these operating instructions carefully before installing and using the device.

Copyright:

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INTENDED USE

The hot air tool type WELDON needs external air supply and is suitable for continuous operating under supervision. It is suitable to weld all different kind of thermoplastic material.

The WELDON is the ideal tool for thermoplastic welding because of its low weight, its small design and the screw-on draw nozzles.

- Welding of thermoplastics such as sheets, pipes, profiles and so on.
- The welding tool type WELDON can only be operated with external air supply (BAK-blower or compressed air).
- Set value and actual value of the temperature are shown on the digital display.
- Ergonomic design.
- Cooled protection tube.
- Direction of the drawing nozzle 360° is adjustable.

OPERATING STATE

- Fit the appropriate nozzle as necessary.
- Connect the hot air tool to the air supply.
- Switch on the air supply.
- Adjust air flow by air flow controller or by pressure control valve.
- Connect the tool to the mains.
- Adjust the hot air temperature by use of the potentiometer.
- The tool is ready for welding as soon as must value and actual value are in agreement.
- After welding, let the tool cool down.

Attention

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

Operation

- 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 by adjusting position 0 on the potentiometer.

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.

ACCESSORIES

Available accessories:

Air hose 14mm

Hose clip for air hose

Various drawing nozzles with and without tacking tip for round- and profile welding rod

Tubular nozzle 5mm

Optimum results will be achieved when BAK accessories and spare parts are used. Please refer to our brochures for additional information.

MAINTENANCE

- Nozzles should be cleaned with a wire brush.
- Air hose should be checked of mechanical damage.

SERVICE AND REPAIR

The hot air tool should be checked by an authorised service centre approx. every 1000 operating hours.

Repairs have to be carried out exclusively by BAK authorised service centres.

SHIPPING

For repairs, please return the device appropriately packed for transport to your next BAK service centre.

Shipping to CUSTOMER ACCOUNT.

Technical modifications reserved. In case of doubt, consultation with BAK is required. Images and drawings may deviate from the original. Changes reserved.

TRANSPORT – HANDLING – STORAGE

Transport:

The hot air tool is packed appropriately and must be protected from moisture.

Handling:

The shipment must be checked if complete and for transport damage. In the event of transport damage, the defect must be confirmed in writing at the time of the delivery by the carrier. The seller must be promptly informed in writing!

Storage:

In the case of temporary storage, the welding machine should be kept packed and must be protected from moisture. In the case of damage resulting from improper storage, no warranty claim will be honoured.

DISPOSAL



Power tools, accessories and packaging should be sorted for environmental friendly recycling.

Do not dispose power tools together with household waste!

Only EU countries: According to the European Directive 2002/96/EC on waste electrical and electronic equipment and its incorporation into national law, power tools that are no longer operational must be separately collected and sent to be environmental friendly recycled.

TECHNICAL DATA

Technical Data		WeldOn	
Voltage	V	120	230
Frequency	Hz	50 / 60	
Power consumption	W	1000	600
Temperature	°C	20 – 450	
Air flow	l/min	min. 40	
Air pressure	Bar	max. 1	
Dimensions	mm (L x W x H)	295 x 62	
Weight with 5 m cable	kg	0.75 with 3m cord, air hose and Y-adapter	
Conformity symbol	CE		
Protection type I			
Electrical safety	double insulated		
Other voltages on request.			