

PROFESSIONAL THERMO – BAG

1. SAFETY INSTRUCTIONS

Before using the appliance for the first time, read all procedures and warnings described in this manual thoroughly before carrying out any operation with or on the device. Please read these instructions carefully and keep them for further references. For any inappropriate use or failure to comply with the instructions, the manufacturer accepts no responsibility and the guarantee will not apply.

Only expert, qualified and trained staff with knowledge of the Safety Standards fixed in each Country can use the appliance.

The Manufacturer declines all liability in the event of use of the device by staff that do not have the requisites stated above.

1.1 Intended use

This Professional Thermo Bag is a special appliance designed exclusively for saturating the base of alpine and nordic skis (intended use). Any different use is considered inappropriate. The manufacturer declines any responsibility in the case of inappropriate use. All the risks are for the users charges.

All routine operations, maintenances and repairs of the appliance must only be performed by specialized operators with skills in in this subject.

All the Safety Standards and the Technical Security Standards fixed by the laws of the Countries where the appliance is used, must be respected.

The Manufacturer cannot be considered liable for problems, breakage, accidents etc, due to execution of modifications, variants or installation of accessories or spare parts, which are not previously authorized.

Under the continued development and improvement of our products, we reserve the right to make any changes and improvements that we deem necessary. This does not imply any obligation on our part to change the Thermo Bags provided in the past.

Images, dimensions and weights indicated in the instructions for use are given for guidance only.

2. GENERAL INSTRUCTIONS

2.1 Security principles

This device has been built according to advanced techniques and generally recognized safety rules. Nevertheless, its use involves dangers to the user and to third parties, or the risk of damage to the device and other objects, in particular in the following cases:

- If the appliance is in the hands of untrained or uneducated users
- If the device is used improperly
- In case of inadequate care

2.2 General safety instructions

- Observe correct mains voltage! See the type label for the correct connected load and voltage rank.
- Ensure data matching with those of the mains voltage.
- Never leave the device unattended during operation
- The appliance must always be used with all covers and protective devices on.
- Do not use the device near flammable materials.
- The appliance contains a heating device, therefore it must be used and deposited on a stable, heat-resistant and not flammable surface and in upright position.
- Always wear clothing and gloves suitable for the tasks performed with the appliance.
- Use the device only in dry rooms.
- Ensure good ventilation.
- Regularly check that the device is perfectly intact and free from defects! Any anomalies must be communicated immediately to the Department/person of competence!

- Always disconnect the power plug during maintenance and/or adjustment.
- It is dangerous for anyone other than a qualified person to perform maintenance or repairs.
- Children must be supervised to ensure that they do not play with the appliance.
- This appliance can be used by children aged from 13 years and above and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- No operator must be under the influence of sedatives, drugs or alcohol when performing his jobs on the device.

2.3 Safety instructions for the person responsible for appliance using.

- This document must be distributed to all staff that must interact with the appliance.
- The operating instructions must always be present at the place of use of the device!
- In addition to occupational safety and accident prevention regulations in force in the Country of the user as well as at the place of use, even the generally recognized technical rules for safe and works to perfection must be respected.
- First aid equipment (first aid kit and what else similar required) should be kept in a place near and easily accessible! The staff should know the location and use of fire-fighting systems. There shall be fire alarms and fire extinguishers.
- The responsible person/the user must not make changes to the device if such changes can affect safety!
- The personnel to interact with the machine must be properly trained.

2.4 Safety instructions for the staff

- General safety rules must be observed as well as the generally recognized safety regulations and rules in occupational medicine.
- The device may only be used if in perfect technical conditions, in accordance with the provisions of this manual, in particular with regard to the dangers and safety warnings! Any anomaly that could compromise safety must be removed immediately!

2.5 Intended use

Professional Waxing Thermo Bag is designed exclusively for saturation with wax of alpine ski sole and Nordic ski sole. **MAFLON SPA –MAPLUS DIVISION is not liable for damages resulting from the failure to observe this warning!**

3. PRODUCT INFORMATION

Professional Waxing Thermo Bag is a great alternative to the traditional system of repeated application of wax for the saturation of ski sole. Thanks to the precise temperature control, the Thermo Bag is not impacting the ski characteristics **but it is always necessary to dismantle the attacks.**

3.1 Product advantages

- The Thermo Bag has a lightweight aluminum structure quickly dismantled. The outer bag is equipped with heating elements and is fully foldable to save space.
- The temperature control is done through a precision digital thermostat which allow the optimum saturation of the sole according to the used wax.
- A well saturated ski sole greatly improves the sliding features of the ski.
- Race ski soles are generally made by ultra-high molecular weight polyethylene (UHMWPE) with bulking materials added. The ultra-high molecular weight polyethylene has micro voids located in points of contact between micro crystalline spherulites composing it. The base saturation is achieved through the spreading of paraffin at liquid stadium in these empty micro voids therefore continuous and controlled heat is crucial as it keeps the paraffin at liquid stadium and generates micro polyethylene expansion which allow to incorporate permanently the wax in the micro voids.

4. TECHNICAL SPECIFICATIONS

L x W x H 2180 x 460 x 460 mm

Weight ca. 30 kg

Power: 350W – 220V

Working rated temperature: 30° to 70° C.

Ambient temperature: 15° to 30° C.

5. USE OF PROFESSIONAL WAXING THERMO BAG

To saturate the skis with the Professional Thermo Bag, one must firstly apply a thick layer of high quality paraffin base on the ski sole using a waxing iron. The ideal is to use the SOFT RACING BASE or XSOFTE with melting points of approximately 55° c. and 45° c.

- Place your skis without bindings on the supports of aluminum structure with the base side facing up (max. 10 pairs of Alpine skis or 20 pairs of skis).
- Close the Professional Thermo Bag fitting the velcro closure at each point.
- Set the digital thermostat to the desired temperature and leave the Professional Thermo Bag working. When using the SOFT RACING BASE or XSOFTE RACING BASE set the thermostat to 55° or 45° C for XSOFTE. We don't recommend a temperature higher than indicated because excessive heat can damage the internal structure of the skis. We recommend to use the SOFT or XSOFTE RACING BASE because during the saturation process they remain liquid at the temperature indicated.
- The saturation of ski soles takes about 6-8 hours. For the entire treatment leave the Professional Thermo Bag switch on.
- When finished, turn off the thermostat and let cool slowly at room temperature the skis without opening the Thermo Bag (about 4 hours of cooling).
- After 4 hours open the Thermo Bag and check on skis. The ski bases should be still covered everywhere with a thin layer of paraffin.
- If the ski soles have waxless areas repeat the saturation even 1 time. Generally after 2 proceedings any skiing reaches its maximum saturation and no longer has waxless zone upon opening the bag.
- Using the Professional Thermo Bag compared to standard waxing iron, makes the skis soles immediately sliding and more resistant to abrasion and dirt.
- The saturation process must be repeated each time the skis are rectified and structured with a stone grinding machine.

6. TECHNICAL ASSISTANCE

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