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TILSWALL JS-RFA0718

Tilswall 2000W Heat Gun User Manual

Model: JS-RFA0718

1. INTRODUCTION

Thank you for choosing the Tilswall 2000W Heat Gun. This powerful and versatile tool is designed for a wide range of applications, including paint removal, soldering, shrinking, and more. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting. Please read it thoroughly before using the product and keep it for future reference.



Image: The Tilswall 2000W Heat Gun, showcasing its design and included accessories.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury:

- **Read All Instructions:** Familiarize yourself with the heat gun's operation and safety guidelines before use.
- **Personal Protective Equipment:** Always wear safety glasses or goggles. Heat-resistant gloves are recommended.
- **Work Area Safety:** Ensure your work area is clean, well-lit, and free of flammable materials. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Do not expose the heat gun to rain or wet conditions. Do not abuse the cord; never use it for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Avoid Direct Contact:** The nozzle and accessories become extremely hot during and after use. Do not touch them until they have cooled down.
- **Proper Ventilation:** Use the heat gun in a well-ventilated area. Heating certain materials can produce toxic fumes.
- **Cool Down Properly:** Utilize the 30-second cooling shutdown mode or allow the tool to cool completely before storing.
- **Secure Workpiece:** Always secure the material you are working on to prevent movement during heating.

- **Unplug When Not in Use:** Always unplug the heat gun from the power source before making any adjustments, changing accessories, or storing the tool.

3. PACKAGE CONTENTS

Your Tilswall 2000W Heat Gun package includes the following items:

- 1 x Tilswall 2000W Heat Gun
- 4 x Nozzles:
 - Deflector Nozzle
 - Concentrator Nozzle
 - Glass Protection Nozzle
 - Hook Nozzle
- 1 x 3-piece Scraper Set
- 1 x Spatula
- 1 x Instruction Manual



Image: All accessories included with the Tilswall Heat Gun, such as various nozzles, scraper, and spatula.

4. PRODUCT FEATURES

The Tilswall Heat Gun is equipped with advanced features for enhanced performance and user convenience:

- **LED Digital Display and Memory Function:** The clear, backlit LED display allows for easy temperature monitoring. Quickly set temperatures from 50°C to 600°C. The memory function recalls your last used settings, ideal for repetitive tasks.
- **30-Second Cooling Shutdown Mode:** This feature protects the heat gun from overheating and extends its lifespan by initiating a cooling cycle upon shutdown. Alternatively, hold the power button for three seconds for immediate shutdown.
- **Ceramic Heating Element and 12 Adjustable Temperatures:** A robust ceramic heater provides rapid heating up to 600°C. With 12 adjustable temperature levels, you can achieve precise heat control for various applications.
- **Dual Airflow Choice:** Select between two airflow settings: 250L/min or 550L/min, to match the requirements of your task.



Image: Close-up of the Tilswall Heat Gun's control panel, showing the LED digital display and temperature/airflow adjustment buttons.

Faster and Safer Temperature Control



Image: An internal diagram of the heat gun, illustrating the dual heating wires and the 30-second cooling shutdown mechanism.

5. SETUP

Before operating your heat gun, ensure it is properly set up:

1. **Unpack:** Carefully remove the heat gun and all accessories from the packaging.
2. **Inspect:** Check the tool and accessories for any signs of damage. Do not use if damaged.
3. **Attach Nozzle:** Select the appropriate nozzle for your task. Align the nozzle with the heat gun's outlet and push it firmly into place. Ensure it is securely seated.
4. **Power Connection:** Plug the heat gun into a suitable power outlet (2000W, 120V AC).

6. OPERATING INSTRUCTIONS

Follow these steps to operate your Tilswall Heat Gun:

1. **Power On:** Press the power button to turn on the heat gun. The LED display will illuminate.
2. **Adjust Airflow:** Use the airflow selection button to choose between the two available speeds (250L/min or 550L/min).
3. **Set Temperature:** Use the '+' and '-' buttons to adjust the temperature. The temperature can be set quickly

in increments from 50°C to 600°C. The display will show the current temperature.

4. **Memory Function:** The heat gun will remember your last temperature and airflow settings when powered off and on again, allowing for quick resumption of work.
5. **Operation:** Direct the hot air stream towards the workpiece. Maintain a safe distance to avoid scorching or damaging the material.
6. **Cool Down and Power Off:** When finished, press the power button to initiate the 30-second cooling shutdown mode. The fan will continue to run to cool the heating element. Once the cooling cycle is complete, the unit will power off. For immediate shutdown, hold the power button for three seconds.

7. APPLICATIONS AND USAGE

The Tilswall Heat Gun is suitable for a variety of tasks:

- **Paint and Varnish Removal:** Use the appropriate nozzle and scraper to soften and remove old paint or varnish from surfaces.
- **Soldering:** Ideal for soldering and desoldering electronic components.
- **Shrinking:** Perfect for heat-shrink tubing, packaging, and other shrinking applications.
- **Defrosting Pipes:** Safely defrost frozen water pipes.
- **Loosening Rusty Nuts/Bolts:** Apply heat to expand metal and loosen seized fasteners.
- **Softening Adhesions:** Useful for removing stickers, decals, and other adhesive materials.
- **Plastic Bending/Welding:** Can be used to soften plastic for bending or for plastic welding with appropriate techniques.



Image: A visual guide illustrating recommended temperature ranges for different applications, such as defrosting pipes (50-150°C), softening plastic tubes (200-230°C), softening solder (425-455°C), and removing paint (500-550°C).



Image: Four examples of the heat gun in use: removing paint from wood, bending a plastic pipe, shrinking film, and loosening a rusty nut.

8. MAINTENANCE

Proper maintenance ensures the longevity and performance of your heat gun:

- **Cleaning:** After each use, ensure the heat gun has cooled down completely. Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Nozzle Cleaning:** Clean any residue from the nozzles after they have cooled.
- **Air Vents:** Keep the air intake and exhaust vents clear of dust and debris to ensure proper airflow and prevent overheating. Use a soft brush or compressed air if necessary.
- **Storage:** Store the heat gun in a dry, secure place, out of reach of children. Ensure it is completely cool before storing.
- **Cord Care:** Regularly inspect the power cord for damage. Do not use the tool if the cord is frayed or damaged.

9. TROUBLESHOOTING

If you encounter issues with your Tilswall Heat Gun, refer to the following common problems and solutions:

- **Heat Gun Does Not Turn On:**

- Check if the power cord is securely plugged into a working outlet.
- Verify the power outlet is functional by testing it with another device.
- Inspect the power cord for any visible damage.

- **No Hot Air / Insufficient Heat:**

- Ensure the temperature setting is not at its lowest point.
- Check if the air vents are obstructed. Clear any dust or debris.
- The heat gun may have activated its overheating protection. Allow it to cool down before attempting to use it again.

- **Excessive Noise or Vibration:**

- This could indicate an obstruction in the fan or motor. Discontinue use and contact customer service if the issue persists after clearing vents.

If the problem persists after attempting these solutions, please contact Tilswall customer service for assistance.

10. SPECIFICATIONS

| Specification | Detail |
|---------------------|---|
| Model Number | JS-RFA0718 |
| Wattage | 2000 watts |
| Temperature Levels | 2 (440°C / 600°C) with 12 adjustable settings from 50°C to 600°C |
| Airflow | 250L/min or 550L/min |
| Item Weight | 2.88 pounds |
| Package Dimensions | 10.12 x 8.39 x 4.02 inches |
| Color | Black |
| Included Components | Heat gun, 4 nozzles, 3-piece scraper, spatula, instruction manual |

11. WARRANTY AND CUSTOMER SUPPORT

Tilswall offers professional customer service for its products for 12 months from the date of purchase. If you have any questions, concerns, or require assistance with your Tilswall Heat Gun, please do not hesitate to contact our customer service team. We are committed to responding to your inquiries within 24 hours.

For support, please refer to the contact information provided on the Tilswall official website or your purchase documentation.