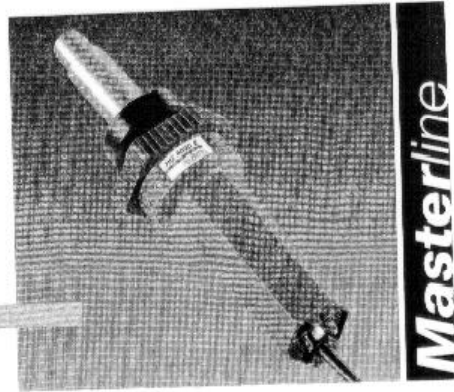


**Hot Air Gun  
HG 4000 E**

**Part - No. 35021**



English **Operator's use & care  
manual**

Read this use & care manual before  
using. Keep for future reference.  
Save this Manual.

Français **Manuel d'emploi  
et de service**

Ce manuel d'emploi et de service  
est à lire avant l'usage.  
Garder pour future référence.  
Conservez ce manuel.

Español **Instrucciones de uso  
y mantenimiento**

Lea estas instrucciones de uso y  
mantenimiento antes de utilizar  
la pistola. Conservarlas para futuras  
consultas.



**STEINEL**<sup>®</sup>  
German Quality

**UL WARNING** Read this instruction book before using. To reduce risk of fire or electric shock, do not expose to rain or moisture. Store indoors. When servicing, use only identical replacement parts. When using electronic tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. This hot air gun operates at 1100h F with no visual indication of temperature (no flame). The hot airstream at the outlet nozzle will burn flesh. Do not turn on hot air gun with hand in front of nozzle. **DO NOT USE NEAR COMBUSTIBLE LIQUIDS. DO NOT USE FOR:** • Heating gas engines • Heating car batteries • Thawing refrigerator equipment.

## Cautions

1. This hot air gun can produce up to 1100° F of flameless heat at the nozzle. Do not direct airstream at clothing, hair or other body parts. Do not use as a hair dryer.
2. Do not use near flammable liquids or in an explosive environment (fumes, gases or dust). Remove materials or debris, that may become ignited, from work area.
3. Always hold tool by plastic enclosure. The metal nozzle requires approximately 20 minutes to cool to where it can be touched. Do not touch nozzle or accessory tips until cool.
4. Do not store tool until nozzle has cooled to room temperature. Place tool in a clear area away from combustible materials while cooling.
5. Do not cut off air flow by placing nozzle too close to workpiece. Keep intake vents clean and clear of obstructions.
6. Place tool on a level surface with the support stand firmly in place when tool is not hand held. Place cord in a position that won't cause tipping.
7. Do not leave tool unattended while running or cooling down.
8. Keep a fully charged fire extinguisher nearby.
9. Do not direct air flow directly on glass.
10. Shield materials around the heated area to prevent damage or fire.
11. Use only with 120 V AC voltage.
12. Do not use in wet conditions.
13. Not to be used by children. This is not a toy and should be respected.
14. Do not use in bath or over water.
15. Safety glasses should be worn when using this tool.
16. For stripping paint, see detailed instructions in this manual.
17. It is recommended that leather gloves be worn when using a hot air gun.

**WARNING!**

This tool is capable of producing temperatures up to 1100° F of flameless heat at the nozzle. ALWAYS:

- Direct the heat away from yourself and others.
- Prevent ignition of combustible materials on or near the workpiece.
- Prevent blockage of intake and nozzle openings.
- Keep a fully charged fire extinguisher on hand.
- Allow the nozzle and accessory tips to cool to room temperature before storage.

**IMPORTANT SAFETY INSTRUCTIONS  
READ THESE INSTRUCTIONS**

**WARNING:** Hidden areas such as behind walls, ceilings, floors, soffit boards and other panels may contain flammable materials that could be ignited by the hot air gun when working in these locations. The ignition of these materials may not be readily apparent and could result in property damage and injury to persons. Do not use if in doubt about this hazard. When working in these locations, keep the hot air gun moving in a back-and-forth motion. Linger or pausing in one spot could ignite the panel or the material behind it.

**Paint Stripping**

**WARNING:** Extreme care should be taken when stripping paint. The peelings, residue and vapors of paint may contain lead, which is poisonous. Any pre-1977 paint may contain lead and paint applied to homes prior to 1950 is likely to contain lead. Once deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable.

Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check the lead content of the paint to be removed. **LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL AND SHOULD NOT BE REMOVED USING A HOT AIR GUN.**

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Persons removing paint should follow these guidelines.

1. Move the work piece outdoors. If this is not possible, keep the work area well ventilated. Open the windows and put an exhaust fan in one of them. Be sure the fan is moving the air from inside to outside.
2. Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
3. Place drop cloths in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.
4. Work in one room at a time. Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.
5. Children, pregnant or potentially pregnant women and nursing mothers should not be present in the work area until the work is done and all clean up is complete.
6. Wear a dust respirator mask or a dual filter (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These masks and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep masks from sealing properly. Change filters often. DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.
7. Use caution when operating the hot air gun. Keep the hot air gun moving as excessive heat will generate fumes which can be inhaled by the operator.
8. Keep food and drink out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.
9. Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surface where paint or dust is clinging. DO NOT SWEEP, DRY DUST OR VACUUM. Use a high phosphate detergent or trisodium phosphate (TSP) to wash and mop areas.
10. At the end of each work session put the paint chips and debris in a double plastic bag, close it with tape or twist ties, and dispose of properly.
11. Remove protective clothing and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.

**SAVE THESE INSTRUCTIONS**

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## Double Insulated Tools

Tools marked with the words "Double Insulated" are equipped with a two prong plug. These tools have a special insulation system that complies with applicable standards of both Underwriter's Laboratories, Inc. and Canadian Standard Association. They do not require grounding.

## Extension Cords

Double insulated tools, like this one, have two prong cords and can use either a two or three prong extension cord. As the distance from the supply outlet increases, heavier gauge extension cords are required.

The use of extension cords of inadequate size wire causes a serious drop in voltage and loss of power. Protect the cord from damage. Keep cords away from excessive heat, sharp edges and damp or wet areas. Repair or replace damaged extension cords before using.

Ext. Cord Length	Wire Size
40 Ft.	16
85 Ft.	14
100 Ft.	12
170 Ft.	10
270 Ft.	8
400 Ft.	6
650 Ft.	4

**“This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.”**

### **Limited Warranty**

Steinel America, Inc. (the Company) warrants to the original end-user purchaser (the Purchaser) that its HG 4000 E Hot Air Gun (the Product), if properly operated and maintained, and used under normal conditions, shall be free from defects in workmanship and materials for a period of one (1) year from the date of purchase. The obligation of the Company, and Purchaser's **SOLE AND EXCLUSIVE REMEDY** hereunder, shall be limited to one of the following, at the Company's option:

(01) The repair or replacement of the Product.

(02) In the event the Company is unable to repair or replace the Product, the Purchaser shall be entitled to a refund of the purchase price paid for the Product.

The Company shall have no obligation under this Limited Warranty for ordinary wear and tear of the Product, or if the Product is modified by any other person or organization.

### **Warranty performance procedure**

In the event the Purchaser believes the Company may be responsible for the performance of any warranty obligation, the Purchaser should send the Product; a brief written description of the defect; and a statement specifying the date the Product was purchased, where it was purchased, and the amount of the purchase price, postage prepaid, to the Company.

The Company will inspect the Product within thirty (30) days after it receives the Product and the requested information. If the Company determines that a defect covered by this Limited Warranty exists, within thirty (30) days after the inspection, the Company or a party designated by the Company, will attempt to make repair or replacement of the Product. If this is not possible, a refund of the purchase price paid for the Product will be paid to the Purchaser.

### **Disclaimers of warranties**

The warranties contained herein are expressly in lieu of any other expressed or implied warranties, or any other obligation on the part of the Company. Any implied warranty of merchantability or fitness for a particular purpose shall expire one (1) year after the date the product is purchased by the original end-user Purchaser. Any models, drawings, plans, specifications, affirmations of fact, promises, or other communications by the Company with reference to the performance of the product are solely for the convenience of the Purchaser and shall not in any way modify the expressed warranties and disclaimers set forth herein. The Purchaser acknowledges it is purchasing the Product solely on the basis of the commitments of the Company as expressly set forth herein. No agents or other parties are authorized to make any warranties on behalf of the Company or to assume for the Company any other liability in connection with the Product. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

**Consequential damages**

The Company shall not be liable for any incidental or consequential damages arising from the use of the Product by the Purchaser, the breach of any warranties, the failure to deliver, delay in delivery, delivery in non-conforming condition, or for any other breach of contract or duty between the Company and the Purchaser.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

**Limitation of actions**

Any action resulting from the breach of any warranty contained herein by the Company must be commenced within one (1) year after the cause of action accrues. In no event shall the Company's total liability for any or all breaches of any warranty exceed the actual purchase price of the Product.

**Other rights**

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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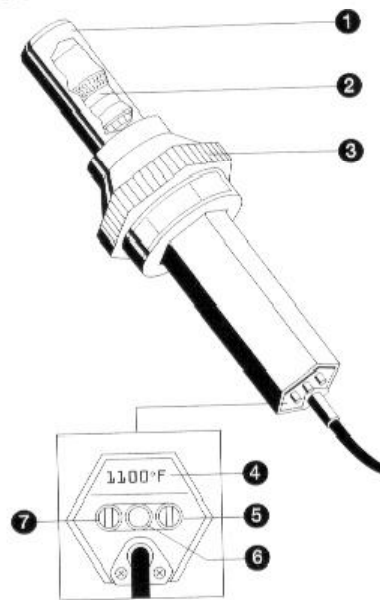
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# Operating Instructions HG 4000 E

## Part - No. 35021



### Features

#### Components

- ❶ Hot air outlet nozzle (HG 4000 E: 40 mm dia)
- ❷ Heating element
- ❸ Rubber bumper
- ❹ LED segment display
- ❺ Temperature regulator
- ❻ ON/OFF switch
- ❼ Air-flow regulator

### Operating Instructions

#### Hot air gun – specifications

- Fully electronic temperature and air flow monitoring
- Air flow and temperature up to 21 cfm and 1100° F variable
- Intelligent motor and temperature control
- Temperature display showing target and actual temperature
- Heating element easily changed
- Brushless motor for long life
- Sturdy, one-piece housing
- Power cord can be changed without opening the housing

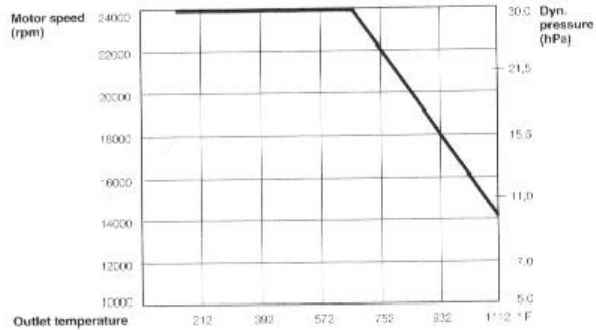


Switch the tool on with ON/OFF switch ⑥.  
 Use temperature switch ⑤ to preset the target temperature you require (80 – 1100 °F).  
 The temperature setting as well as the letter "A" to show the setting mode will appear on the LED segment display. Once the temperature has been preset, the tool will automatically display the actual temperature after approx. 3 seconds. Target and actual temperature is displayed in increments of 50 °F. The air flow rate ⑦ may be infinitely varied using the airflow regulator.

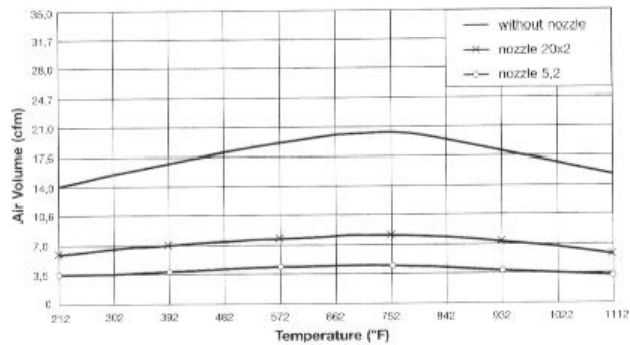
The control system complies with the latest standards on mains pollution (EN 61000-3-3 Flicker standard, EN 61000-3-2 Harmonics standard = CE approval).

The tool features an intelligent temperature and airflow control system that always gives priority to temperature setting (see graph). Example: To attain the maximum temperature of 1100° F with speed set to max. air flow rate, the electronics will automatically reduce air flow until 1100° F is reached. The airflow rate will then increase again as soon as the temperature is reduced.

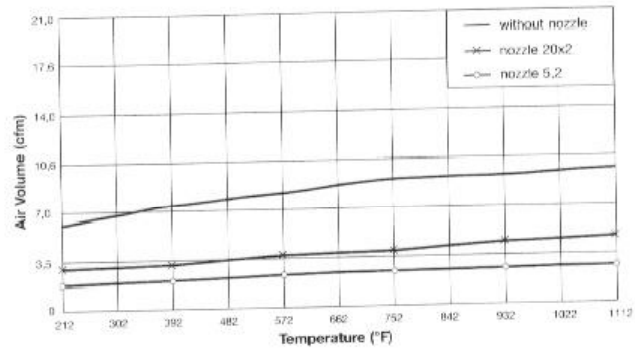
### Intelligent Motor and Temperature Monitoring



### Comparison Air Volume, high RPM



### Comparison Air Volume, low PPM



### Technical Specifications

Voltage:	110 V 120 V / 50-60 Hz
Output:	1650 W 1750 W
Temperature:	80° F - 1100° F
Display type:	LED segment display
Air-flow control:	Variable
Max. air-flow rate:	21 cfm
Air pressure:	3000 Pa
Air outlet nozzle:	40 mm dia. (approx. 1 2/3")
Motor service life:	approx. 20000 hrs.
Heating element service life:	approx. 500-800 hrs.
Weight (with power cord):	approx. 1 1/2 lbs.
Dimensions:	Length: 370 mm (approx. 1 1/2") 122 mm dia. (approx. 1/2") (at rubber bumper ③)

### Changing Heating Element (Part - No. 09030)

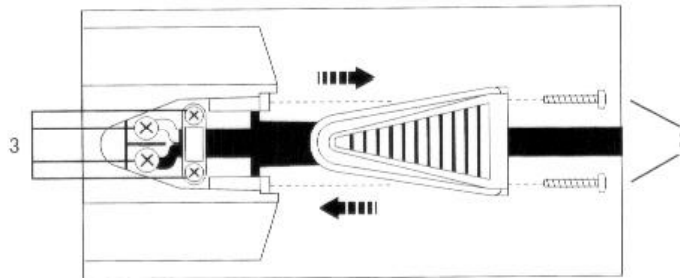
The plug-in HG 4000 E heating element can be changed/replaced within seconds. Each heating element contains a chip that holds specific data. When a new heating element is installed, its parameters will be adopted by the control electronics.



1. **Important!** Disconnect tool from power supply.
2. Undo the 4 screws at the end of the outlet nozzle.
3. Pull of heating element and replace with new one.
4. Firmly re-secure output nozzle.

### Changing Power Cord (Part - No. 09070)

If the power cord becomes damaged it can be changed/replaced easily without opening the housing.

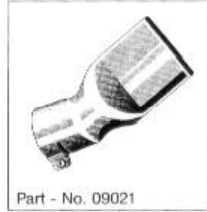


1. **Important!** Disconnect tool from power supply.
2. Remove the 2 screws in figure 2.
3. Remove the 4 screws in figure 3.
4. Remove and replace with proper power cord (Part - No. 09070).
5. Make sure the cord is connected correctly (neutral to neutral).
6. Replace the screws and tighten properly).

**Note:** To maintain your warranty you must use STEINEL replacement parts only.  
Use of other power cords or plugs will void warranty immediately.

## Accessories / Example Applications

### Accessories for HG 4000 E



Part - No. 09021

#### 40 x 2 offset flat nozzle

**Applications:** Plastic sheet welding using the lap weld process. Repair work on bitumen roofs.



Part - No. 09211

#### 20 x 2 offset flat nozzle

**Applications:** Plastic sheet welding using the lap weld process.



Part - No. 09221

#### 5 mm round nozzle

**Applications:** Plastics welding. Spot heating.



Part - No. 09231

#### 10 mm round nozzle

**Applications:** Plastics welding. Spot heating. Use with welding nozzle.



Part - No. 07531

#### Welding nozzle

**Applications:** Pushes on to 10 mm round nozzle. Welding with plastic welding wire.