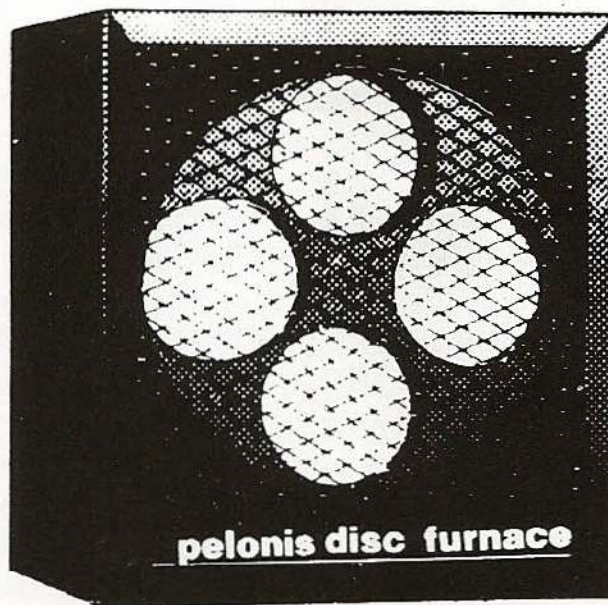


pelonis disc furnace™

MODEL 1500W-II

READ & SAVE
THIS OPERATING MANUAL!

- 5200 BTU's
- Thermostatic
Comfort Control
- Low Cost
Operation
- 5 Year
Limited Warranty



LISTED

**THE GREATEST ADVANCE
IN ELECTRIC HEATING SINCE 1898**

Congratulations!

The pelonis disc furnace™ that you've purchased is the finest zone heater available anywhere, and incorporates the greatest technical advances in electric heat since the 1800's. It is exceptionally safe; it is highly efficient and low cost to operate; it is the original electric zone heater that can constantly hold a pre-selected temperature setting without on-/off/hot-cold cycling.

Before using your new pelonis disc furnace™ please take a few minutes to read this Operating Manual, to review the product limited warranty, and to complete and mail the Owner Registration Form.

For your records, please record:

Date product purchased:
Complete Serial Number:
Place purchased:

IMPORTANT INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read all instructions before using this heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Use the handle located at the top of the back side when moving this heater. CAUTION - HIGH TEMPERATURE: keep combustible materials (such as drapes and other furnishings) and electrical cords away from heater.
3. Be very cautious when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
4. Always unplug heater when not in use, or before cleaning.
5. Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
6. Do not use outdoors.
7. This heater is not intended for use in wet or moist locations. Never locate heater where it may fall into a bathtub or other water container.

8. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or the like. Arrange cord away from traffic area and where it will not be tripped over.

9. To disconnect heater, turn control to off, then remove plug from outlet.

10. Connect to properly grounded outlets only.

11. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electrical shock, fire, or damage the heater.

12. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.

13. A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint or flammable liquids are used or stored.

14. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

15. If this heater is used with an extension cord, the cord shall be 14 AWG minimum size and rated not less than 1500 watts.

16. **SAVE THESE
INSTRUCTIONS**

MODEL: 1500W-II

OPERATING INSTRUCTIONS

A. AUTOMATIC mode: Maintains temperature automatically in the room when switched to HEAT, the unit maintains a constant room temperature by continuously varying heat delivery without cycling on and off and without causing hot and cold periods.

B. MANUAL mode: Provides manual control of fan speed. When switched to HEAT the power output in watts can be estimated from the table shown on the back unit label. The variation in power output is due to possible differences in the ambient temperature. In the FAN position non-heated air circulation can be maintained by manual control of the fan speed.

C. TEMPERATURE/SPEED CONTROL: Dial the desired room temperature in AUTOMATIC mode or the desired fan speed in MANUAL mode

D. HEAT: Switch to HEAT and adjust the TEMPERATURE/SPEED control for desired operation in AUTOMATIC or MANUAL modes.

E. FAN: Switch to FAN and MANUAL modes for non-heated air circulation that is controlled by the TEMPERATURE/SPEED control.

F. OFF: The unit is off when the switch is in the middle position.

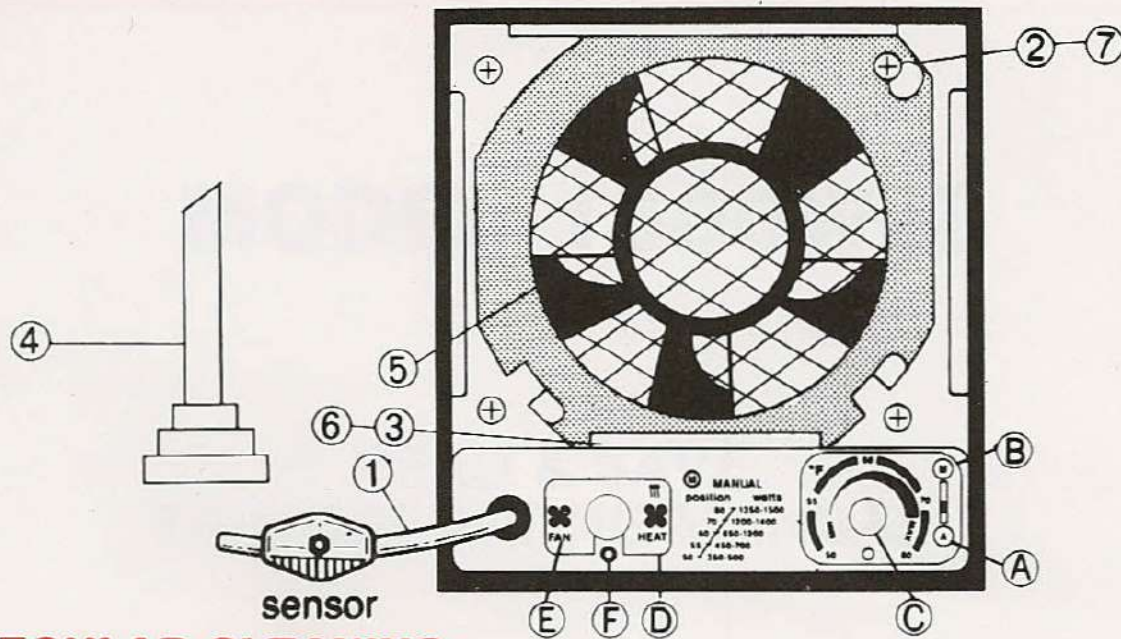
G. REMOVABLE FILTER: The filter collects dirt and dust from air circulating through the unit. To clean the filter, rinse it in warm water and allow it to dry completely before reinstalling.

H. TIP-OVER SWITCH: Do not place the unit in a tilted position as it will automatically turn the fan off when it is tilted forward sufficiently.

PLACEMENT OF UNIT IN ROOM: For most efficient heating, place the unit on the floor with the sensor fully extended and approximately 2 feet away from any wall. The sensor on the cord will determine the temperature of the room at that point. It will not sense temperatures elsewhere in the room being heated. If the thermostat is too close to cold drafts, the unit will continuously operate at maximum.

STORAGE: Coil cord and secure with plastic fastener on cord and store heater in its original packaging, in a safe place where connector and cord will not be damaged.

CLEANING INSTRUCTIONS



REGULAR CLEANING:

As dust collects on the air filter at the rear of the unit, the filter should be removed, rinsed out in warm water, allowed to dry completely, and reinstalled. Clean filter regularly.

VACUUMING HEATING ELEMENTS:

Some dust will pass through the air filter, and collect on the ceramic heating elements. Clean unit regularly for optimum airflow and performance. To clean, follow the steps listed below:

1. Disconnect power supply at source by removing plug from power outlet.
2. Loosen screw on backplate. It is not necessary to remove the screw.
3. Turn, lift and remove backplate using handle at bottom.
4. Connect universal cleaning attachment, included with your pelonis disc furnace™ to your vacuum cleaner.
5. Remove dust and dirt by gently inserting vacuum attachment past fan blades to the back of the heating discs.
6. Re-install backplate.
7. Gently tighten screw on backplate.

WARNING: Do not use the unit in Chlorine Gas, Sulphur Dioxide, Inert Gas or other reducing gas atmospheres. Use in such environments will result in obvious darkening/discoloration of the heating elements and the heating elements will eventually deteriorate and arcing may result.

Del-Rain Corporation, referred to hereafter as DR, warrants as limited herein to the original purchaser of retail that each new pelonis disc furnace™ shall be free of defects in material and workmanship for a period of 5 years from the date of original purchase. This 5 years warranty is limited to the ceramic discs, fan and fan motor and electronic control circuit board.

In the event of malfunctions or failure of a pelonis disc furnace™ simply deliver or send postage prepaid, within the warranty period of 5 years, the heater to DR at the address specified below. DR reserves the right to inspect the claimed defective part or part to determine if the defect or malfunction complaint is covered by this warranty. Upon confirmation that the malfunction or failure is the result of a defective covered by this warranty, DR shall, within sixty (60) days after receipt of the product, at its option, repair and/or replace the defective part or parts free of charge. This warranty shall only cover defects arising from normal usage. DR assumes no responsibility whatever if the pelonis disc furnace™ shall fail during the warranty period by reason of:

- (1) Misuse, negligence, physical damage or accidents.
- (2) Lack of maintenance (see instructions for proper maintenance).
- (3) Repair by any unauthorized party during the warranty period.
- (4) Damage caused by connection to an improper input voltage (see specifications label for proper voltage).

DR MAKES NO FURTHER WARRANTIES OR REPRESENTATIONS, EXPRESSED OR IMPLIED EXCEPT THOSE CONTAINED HEREIN. No representative or dealer is authorized to assume any other liability regarding the pelonis disc furnace™. DR shall in no event be liable for direct, indirect, special or consequential damages.

Some States do not allow limitations on how long an implied warranty lasts, and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from State to State.

To validate this warranty, the purchaser must complete and return within fifteen (15) days from the date of purchase the warranty registration card supplied with each unit.

For additional information regarding the warranty or service of the pelonis disc furnace™, please contact Del-Rain Corporation:
2045 Niagara Falls Blvd. Unit 16 Niagara Falls, New York 14304

pelonis disc furnace™

MODEL 1500W-II **Voltage: 120v 60Hz**

Current:

Maximum continuous draw:	12.5 amps
Minimum draw:	3 amps
Tip-over draw:	.5 amps

BTU Output: Variable from approx. 1200 BTU's to 5200 BTU's.

Wattage: Variable from approx. 350 Watts to 1500 Watts.

Turbo-Fan: industrial rated - Long Life

Operating Cost: Variable depending upon electric kwh cost, ambient temperature, "R" value of insulation, outside or cooler air infiltration, filter cleanliness, and other factors.

Tip-over Function: Drop in wattage from maximum of 1500 watts to 60 watts.

Internal Thermostat: The unique patented internal thermostat senses incoming air temperature, and adjusts BTU output to continuously deliver desired temperature without on-off/hot-cold cycling.

Distributed by:
DEL-RAIN CORPORATION
2045 Niagara Falls blvd. Unit 16
Niagara Falls, New York 14304
(716)285-5101

pelonis

disc furnace™

Congratulations!

You now are the owner of a genuine PELONIS DISC FURNACE.

Your Pelonis ceramic disc heater was perfected after decades of research and development, and was first employed to safely heat high flying aircraft.

Pelonis Disc Furnaces are manufactured to the highest standards of quality. For example, the fan in your Pelonis heater is an industrial quality fan that could last as long as 20 years under average use; and we've endeavored to make every component of the Pelonis heater equally as superior.

Simply stated, we believe that Pelonis is the best ceramic heater available anywhere, and we want you to be enthusiastically happy with your Pelonis.

IF YOU'RE A HAPPY PELONIS USER, you will probably want to increase everyone's happiness by buying more Pelonis':

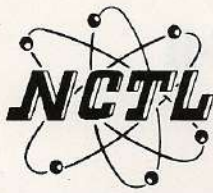
SHOPPING LIST

- One Pelonis for mom's cold feet
- One Pelonis for dad's boat
- One Pelonis for the cottage/cabin
- One Pelonis for the RV/camper
- One Pelonis for the workshop
- One Pelonis for the office
- One Pelonis for back to college gift
- One Pelonis for everybody for Christmas

If for any reason YOU ARE NOT HAPPY WITH YOUR PELONIS HEATER please call us TOLL FREE and we will make every effort to resolve the problem!

Pelonis-U.S.A.
Customer Service Dept.
1-800-428-2204

This toll free number can also be found on a label on the bottom of your Pelonis heater.



NATIONAL CERTIFIED TESTING LABORATORIES

FIVE LEIGH DRIVE • YORK, PENNSYLVANIA 17402 • TELEPHONE (717)846-1200

EFFICIENCY EVALUATION REPORT

REPORT NO. NCTL-110-2221-1
TESTS COMPLETED: 06/16/86
REPORT DATE: 07/31/86

CLIENT: Pelonis Products Division
Del-Rain Marketing & Distribution, Inc.
2045 Niagara Falls Blvd, Unit 16
Niagara Falls, New York 14304

TEST SPECIMEN: pelonis disc furnace™ (Mode 1500W-II)

TEST DESCRIPTION: The pelonis disc furnace™ was evaluated under highly controlled and monitored conditions.

A calibrated thermal chamber was used to duplicate the following room and weather conditions.

Outdoor temperature - 30° F
Room size - 17½' x 20' x 8' (2800 FT³)
One wall (20' x 8') exposed to exterior
Ceiling adjacent to unheated space
Ceiling and wall insulation level - R19
Window area - 18FT²
Window type wood with storm (U = 0.47)

PROCEDURE: Under the conditions described with the interior temperature at 50° F, the pelonis disc furnace™ was turned on. The heater's power consumption and the test room temperature were monitored until the room reached 70° F. The heater's power consumption was then continuously monitored with the test room temperature stabilized at 70° F. The following results were obtained:

TEST RESULTS

Electric Company Residential Charge per Kilowatt Hour	Cost to Hold Room Temp. @ 70° F For 24 Hours
\$0.045/KWH	43.7°
0.050/KWH	48.6°
0.055/KWH	53.5°
0.060/KWH	58.3°
0.065/KWH	63.2°
0.070/KWH	68.0°
0.075/KWH	72.9°
0.080/KWH	77.8°
0.085/KWH	82.6°
0.090/KWH	87.5°
0.095/KWH	92.3°
0.100/KWH	97.2°
0.11/KWH	\$1.07
0.12/KWH	1.17
0.13/KWH	1.26
0.14/KWH	1.36
0.15/KWH	1.46

These tests were performed using calibrated equipment traceable to the National Bureau of Standards under laboratory conditions. The results obtained apply only to the heater tested.

NATIONAL CERTIFIED TESTING LABORATORIES

LEATON KIRK
Laboratory Supervisor

LK/jks

PROFESSIONALS IN THE SCIENCE OF TESTING

RE: pelonis disc furnace,TM MODEL 1500W-II

DEAR VALUED CUSTOMER:

You are now the owner of what we believe is the finest electric supplementary zone heater available anywhere. You can be confident that your new Pelonis product will give you years and years of low-cost, dependable heat.

Your pelonis disc furnaceTM is designed to maintain a constant room temperature, as selected by you using the comfort control. By way of a patented electronic fan speed control and taking full advantage of the unique properties of the Positive Temperature Co-Efficient (PTC) heating elements you are able to maintain a constant room temperature with the most efficient and economical use of electricity.

As the room temperature approaches that pre-set by you, the disc furnace will automatically reduce the speed of the fan and reduce the power consumed by the PTC heating elements, saving you money!

NOTE: In the case of an abrupt reduction in room temperature, and only when the unit is operating at low fan speeds, several minutes may be required for the heater to respond to the changed room temperature and come up to higher heat output.

Please note that this new Thermostatically Controlled Model operates somewhat differently than other Pelonis models:

- 1) Temperature Sensor - When unpackaging the Model 1500W-II, the temperature sensor probe (located on cord) must be extended fully out to the rear. This sensor tells the unit the temperature of the incoming air;
- 2) Testing your Model 1500W-II - Set the thermostat at maximum (80°F) for the greatest heat flow. If set at a temperature close to existing room temperature, the fan speed will drop to low rpms and there will be little heat flow from the unit;
- 3) Warm Case - In normal operation, the Model 1500W-II will run "cool" at higher rpms until the room temperature approaches that temperature set on the unit. When room temperature is achieved, the fan speed decreases to approximately 200 to 400 rpms. As the heating elements are always "on" and maintain a constant temperature of approximately 380°F, at low fan speeds the case of the unit will become warm or even hot to the touch, but never burning hot. Even when the unit is warm or hot, the unit can be comfortably and safely picked up by the integral "handle" (the top back lip of the case).

Energy Conservation - To achieve maximum energy conservation, reduce the setting of your existing heating system thermostat to lower than normal settings, such as 55° to 60°, and use your Pelonis supplementary zone heater to achieve comfortable temperatures in only those rooms being occupied.

Please refer to the National Certified Testing Laboratories Report on the reverse side for operating cost information. While your Pelonis cannot do the impossible, nor defy the laws of physics, it will operate with exceptional safety; it will automatically maintain desired room temperatures, and it will give you years and years of dependable service, at a low cost of operation.

2-8697 R388

**First Class
Postage
Required**

DEL-RAIN CORPORATION

2045 Niagara Falls Blvd. Unit 16
Niagara Falls, New York 14304

PLEASE MAIL IMMEDIATELY!

PELONIS PRODUCTS GROUP

WARRANTY REGISTRATION

Thank you for purchasing this pelonis disc furnace.™ Please register your name and address immediately. This will enable us to contact you in the remote event any safety notifications are issued for this product. While it is not required and will in no way affect your warranty, the personal information requested will help us learn about our customers. Your answers will be used in market research and will help us better serve you in the future. You can help us to continue providing you with the finest products by completing this brief form. Thank you!

2. Serial Number

1.1. Mr. Mrs. Ms. Miss

Serial Number grid

First Name

Initial Last Name

Name grid

Street

Apt No.

Street and Apt No. grid

City

State

Zip Code

City, State, and Zip Code grid

3. Date of Purchase:

4. Telephone Number:

Date and Telephone Number grids

5. Occupation:

- 1 Homemaker
2 Teacher/Educator
3 Professional/Teacher
4 Executive/Administrator
5 Middle Mgmt
6 Sales/Marketing
7 Clerical
8 Craftsworker
9 Machine Operator/Laborer
10 Service Worker
11 Retired
12 Student

6. For your primary residence, do you:

- 1 Own a house?
2 Rent a house or apartment?
3 Own a townhouse or condominium?

7. Which group describes your family income?

- 1 Under \$10,000
2 \$10,000-\$19,000
3 \$20,000-\$29,999
4 \$30,000-\$39,999
5 \$40,000-49,999
6 \$50,000-59,999
7 \$60,000 & over

8. Type of store where purchased:

- 1 Department Store
2 Discount Store
3 Catalog Showroom
4 Drug Store
5 Hardware/Home Center
6 Mail Order
7 Received as Gift
8 Other

9. Who primarily decided to buy this product?

- 1 A male, married
2 A male, single
3 A female, married
4 A female, single

10. Is this a replacement purchase?

- 1 Yes 2 No

11. Select the three (3) most important factors influencing your selection of this product:

- 1 Style/Appearance
2 Lightweight
3 Durability
4 Special Features
5 Warranty
6 Product Package
7 Recommended by a friend
8 Recommended by a salesperson
9 Safety
10 Temperature Control

12. How did you first become aware of this product?

- 1 In-store display
2 Newspaper Ad
3 Magazine Ad
4 Friend/Relative
5 TV Commercial
6 Store Salesperson
7 Received as Gift
8 Other

13. Where will this heater be used?

- 1 Living Room
2 Family Room
3 Bedroom
4 Child's Room
5 Kitchen
6 Basement
7 Boat
8 Cottage
9 RV
10 Mobile Home
11 Office
12 _____

2-8694 R388