

THE NATURAL, FINAL AND PROVEN SOLUTION:

DRY STEAM SUPERHEATED TO 180°C

The brand new Polti **CIMEX ERADICATOR** is the innovative solution which has proved to be an effective permanent way of eliminating the problem of bedbugs.

Cimex Eradicator is a steam generator to which an ergonomic and lightweight steam nozzle is connected. The system is specific for pest control.

Its main feature is the type of steam which, after being generated inside the boiler of the steam generator, is further over-heated inside the delivery nozzle (with worldwide Polti patented controlled expansion chamber) up to a maximum temperature of 180 °C.

At the time of delivery, the steam is mixed with the HPMed sanitising liquid, a water and alcohol-based solution containing sodium metasilicate and sodium carbonate, which can be delivered in the presence of people.

Bedbugs are very sensitive to temperature changes and treatment with a flow of steam at 180°C therefore enables both the adult insects and the larval stages to be eliminated, as well as the eggs.



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THE NATURAL AND FINAL SOLUTION AGAINST BEDBUGS

LOWERS THE BACTERIAL, FUNGAL AND VIRAL LOAD IN A FEW SECONDS

CAN BE RELEASED IN THE PRESENCE OF PEOPLE

SUBJECTED TO SKIN TESTS AND WITH A LOW ENVIRONMENTAL IMPACT

RAPID APPLICATION AND ACTION

NO CONTACT WITH SURFACES AND NO RISK OF CONTAMINATION

UNIVERSAL METHOD FOR ANY TYPE OF SURFACE

TOTAL ACTION: IT REACHES EVEN THE MOST INACCESSIBLE CORNERS

IMMEDIATELY EVAPORATES, WITHOUT LEAVING ANY RESIDUAL BEHIND

www.polti.com



Polti S.p.A. - 22070 Bulgarograsso (CO) Italia - via Ferloni, 83
Tel. +39 031 939 111 - Fax +39 031 890 513



The natural and final solution AGAINST BEDBUGS

- 100% EFFECTIVE
- CHEMICAL FREE
- OVERHEATED DRY STEAM UP TO 180°C: POLTI'S PATENT
- NO CONTACT WITH SURFACE
- REMOVES BED BUGS BAD SMELL



THE PROBLEM: BEDBUG INFESTATIONS

Bedbugs or Cimex lectularius are a species of insect that in recent years has become a very serious problem for a wide range of fields of activity such as hotels, means of transport, theatres and cinemas, schools and even private homes. Pest professionals know how hard bedbugs can be to deal with.



CONVENTIONAL SOLUTIONS

Currently, one of the most widespread pest control methods is the use of pesticides, but these have **several limits, among which the difficulty of penetrating into interstices and of guaranteeing total effectiveness.**

Since pesticides are chemical solutions, they can have possible negative effects on health or damage to the materials to which they come into contact.



CIMEX ERADICATOR

Cimex Eradicator is the technological and ecological solution for the elimination of bed bugs. The laboratory and field tests show that the flow of overheated steam, generated by Cimex Eradicator, is capable of eliminating 100% of the eggs and an extremely significant proportion of the mobile stages in a single pass.

**WORLDWIDE
PATENT**
180°C OVERHEATED DRY STEAM



FEATURES

- ▶ Safety Cap - exclusive Polti patent
- ▶ Stainless steel 18/10 boiler
- ▶ Continuous steam regulation from 0 to 110g/min
- ▶ Steam pressure: up to 4 bars
- ▶ Acoustic signal when water runs out
- ▶ "Steam ready" and "Out of water" light
- ▶ Manometer
- ▶ Steam nozzle with worldwide Polti patented controlled expansion chamber releasing up to 180° C overheated dry steam outflow
- ▶ Connection for HP MED sanitising solution bottle placed under the steam nozzle
- ▶ Integrated spacer/stand ▶ Ergonomic handle with soft-touch insert
- ▶ Steam release button with safety lock device
- ▶ Boiler volume: 2.9 lt ▶ Use capacity: 2lt
- ▶ Power: 1500W
- ▶ Dimensions (included wheels): Ø 36x42cm ▶ Weight: 4,9 Kg

Accessory equipment

- ▶ 2 bottles of 50 ml of HP MED sanitising solution
- ▶ Concentrator tool and curved tool for hard-to-reach corners
- ▶ Protection gloves ▶ DVD ▶ Quick guide for disinfection



THE ADVANTAGES OF CIMEX ERADICATOR

The overheated dry steam of Cimex Eradicator is a **solution with a low environmental impact that is not harmful for human health**. It enables infestations to be eliminated without releasing potentially dangerous molecules or that are harmful for health into the environment. It is not necessary to wear personal protection equipment or to make people leave the premises being treated, nor is it necessary to ventilate the premises after delivering the steam.

Thanks to its very low content in the form of liquid particles, the flow of over-heated dry steam does not leave the surfaces or fabrics wet and does not cause damage or alter the materials to which it is applied. What is more, after using the steam **the premises can be used again immediately, after completing the operations**.

The flow of steam can be directed specifically towards the areas in which bedbugs are hidden **so as to reach even the most hidden corners** that are most difficult to treat, eliminating even the bedbugs hiding away at great depths.

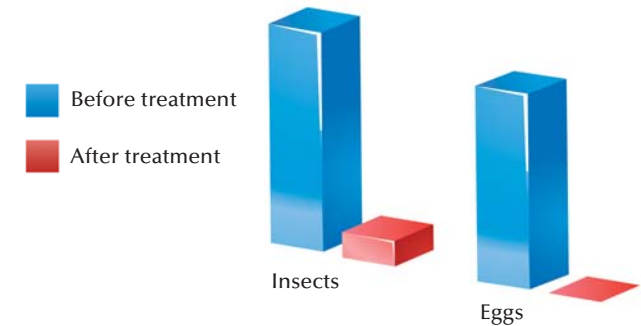
	CONVENTIONAL METHODS	CIMEX ERADICATOR
IMPACT ON THE ENVIRONMENT AND ON HUMAN BEINGS	Possible negative effects on human health: risk of inhalation of and contact with chemical substances. Delivery in the absence of people. Use of Personal Protection Equipment such as gloves or masks.	Method with a low environmental impact. It has no negative effects on health, either by inhalation or by contact with the skin. The mixture of steam and HP Med can be delivered even in the presence of people. There is no need to wear Personal Protection Equipment.
WAITING TIMES	At the end of the treatment it is necessary to ventilate the rooms for a certain number of hours before one can remain in them again.	The rooms can be used again immediately after completing the operations.
EFFECTIVENESS	Thanks to the waterproof waxy coating of their exoskeleton, bedbugs are not very sensitive to the active ingredients and are absolutely immune to the mechanism of insecticides based on ingestion. Pesticides are often ineffective against eggs.	Bedbugs are very sensitive to temperature changes. The flow of steam at 180°C enables both adult insects and the larval stages to be eliminated, as well as the eggs.
TOTAL ACTION	Pesticides are unable to enter structures in depth and are therefore only able to reach the insects and to eliminate them completely after numerous applications.	The flow of steam and HP Med reaches all the nooks and crannies and the corners that are most difficult to treat, eliminating even bedbugs hidden in depth.
IN ADDITION		Use combined with HP Med enables disaggregation of the glue-like substance that enables the eggs to stick to surfaces, elimination of the traces and lowering of the characteristic smell of bedbugs.

CIMEX ERADICATOR: FASTER, MORE NATURAL, MORE EFFECTIVE.

EFFECTIVENESS TEST

In vitro experiments and in the field tests have demonstrated the effectiveness of the superheated dry steam of Cimex Eradicator for the rapid elimination of bedbug infestations. In the laboratory tests, a variety of different materials (wood, fabrics, metal, etc.) were used to artificially reproduce some of the most common places where bedbugs nest. In each of these simulations the experimenters nested adult insects and larvae (tests conducted on bedbugs in their mobile stages) or pregnant females (tests conducted on eggs) in the materials. A single treatment with the superheated dry steam of **Cimex Eradicator has been able to eliminate all the eggs present (100%) and a very high proportion (more than 90%) of the adult insects and larval stages**.

IN VITRO EFFECTIVENESS OF SUPERHEATED DRY STEAM



In the field tests, actual infested contexts were selected, such as hotels and private homes, and were treated with the superheated dry steam.

The results obtained in the experiments were highly positive. Unlike chemical products, which require three or four treatments to achieve complete disinfection, the superheated dry steam of **Cimex Eradicator completely eliminated the infestation after two or three treatments. Following the treatments, the infestation was eliminated completely from all the rooms treated.**

Targeted treatment with superheated dry steam was demonstrated to be effective for eliminating bedbugs and represents a faster alternative with lower environmental impact than use of potentially toxic chemicals.