

Fluorescent Lamp Compressor

BRAND  

- Designed to compress / crush spent or obsolete fluorescent lamps / bulbs into small pieces.
- During crushing, lamp waste is collected into a standard 55-gallon drum.
- Mercury vapor released during the bulb crushing process inside the compressor is drawn through a filtration system under negative pressure; including an Activated Carbon Filtering Module that safely captures and permanently absorbs virtually all mercury vapor emitted from fluorescent tubes, allowing clean air to exit into the environment.
- Drum can store up to 425 lb of crushed lamps.
- Can be operated and stored in well ventilated areas, in low ceiling environments.
- Meets the standards established by OSHA, ACGIH, NIOSH and Clean-Air for Europe.
- 12-month warranty.



Model EL001
Available in 110v and 220v



TYPES OF FLUORESCENT LAMPS

Linear:

Tubes up to 12-foot long (3,66 m).

Nonlinear:

CFLs (compact fluorescent lamps), Circlines, "U" shape, and others.

Please, contact us if you need more information or a detailed quote.



COMPARISON POINTS

If you are looking for a product to compress or crush all your spent fluorescent lamps, it is recommended to compare POINT BY POINT our product, the E-LAMPINATOR® with other less expensive units that do not offer the benefits, quality, efficiency, performance and safety offered by the E -LAMPINATOR®. The information presented below is provided and confirmed by the manufacturer, from test demonstrations and results, and from experts.

- **Designed to crush both, linear and nonlinear fluorescent lamps** (tubes, energy-saving or CFL, circlines, "U" shape).
- **Only one Entry Tube** required to compress up to 12-foot tubes easily.
- **Extensor Tube** removable to facilitate the unit transport and storage.
- **Fixed Tower**, Universal Chamber. No other entry changes for nonlinear lamps.
- **Solid Structure**, Lid made of 1/8" powder coated welded steel. No plastic parts.
- **1/3 HP AC braking motor**, 1700 RPM, continuous performance. No heating up.
- **Safety Switch** to ensure correct installation and seal over the drum. Machine will not operate if it is not engaged.
- **Heavy-duty vacuum hose**, with two clamped connections.
- **True negative pressure mercury vacuum** at all times while the machine is operating.
- **Activated Carbon Filtration System**, 23 lbs. of potted and compacted material with uniform adsorption. Encapsulated inside a sealed and disposable metal module.
- **Vacuum motor free from mercury** contact at all times.
- **5-stage filtration system**, with large heavy-duty HEPA filter.
- **Hardened steel blade** with internal safety shroud.
- **5" Lid base** to protect internal components.
- **Low-cost replacement parts.**
- **Easy to follow maintenance schedule.**
- **Exceeds** OSHA, ACGIH, NIOSH and Clean Air for Europe standards.
- Includes Quick Installation Guide, Operation and Maintenance Manual.

OSHA: Occupational Safety and Health Administration

ACGIH: American Conference of Governmental Industrial Hygienist

NIOSH: National Institute for Occupational Safety and Health

CAFE: Clean Air for Europe



COMPONENTS DESCRIPTION

LID UNIT

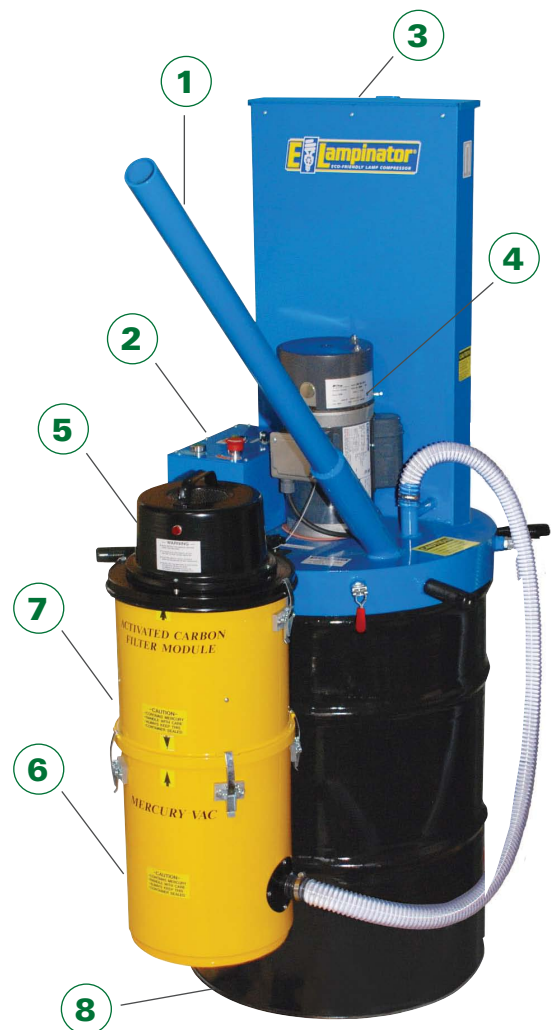
Size: 39" (99 cm) high x 26" (66 cm) dia. – Weight: 110 lbs. (50 kg)

- 1. FIX ENTRY TUBE / TUBE EXTENSOR**
Removable; accepts tubes up to 12-foot long.
- 2. CONTROL BOX**
With START and STOP buttons. Includes LED indicators: POWER ON, FULL DRUM, BLADE ON and VACUUM ON; also, VACUUM SPEED CONTROL knob.
- 3. TOWER CHAMBER**
Designed to accept nonlinear fluorescent bulbs including U-shaped, circline, CFLs.
- 4. LID MOTOR**
110v standard, 60c, RPM 1,725, 6 amp.
220v available.

MERCURY VACUUM

Size: 33" (83 cm) high x 12" (30 cm) dia. Weight: 70 lbs. (32 kg)

- 5. VACUUM MOTOR**
110v standard, 220V available. 60c, 8 amps. The Vacuum motor has red lamp indicator that illuminates when either a filter component needs replacing or there is a blockage in the system.
- 6. MODULE 1 – MULTI-STAGE FILTERING SYSTEM**
This module retains a Collection Bag (paper) and a HEPA Filter with HEPA Filter Bag (Dacron) and a HEPA Pre- Filter (Pink). The Vacuum Motor creates negative pressure. These saturated items need to be handled as a hazardous waste.
- 7. MODULE 2 – ACTIVATED CARBON FILTERING SYSTEM**
The next stage of the filter is the self-contained high capacity Activated Carbon Filtering System, designed to trap the mercury vapor. This module has a dedicated bracket that allows the complete Vacuum Unit to be attached to the Lid Unit. This entire unit including the bracket, are designed to be disposed as hazardous waste. DO NOT OPEN THIS MODULE.
- 8. 55-GALLON DRUM**
Can store up to 425 lbs. of solid waste, equivalent to 1,100 tubes of 4-foot long, or 5,000 of saving compact lamps. These residues are virtually free of contamination, and could be treated as non hazardous waste. BUT check with local and state authorities. Ringed top, metal. Height: 35.5". Diameter: 25"



FINAL DISPOSAL OF CRUSHED LAMPS

Check with local and state authorities.



QUESTIONS AND ANSWERS

What is the E-Lampinator® function?

The main function is to RECOVER all the mercury vapor contained within these lamps already worn or out of use. It avoids being brought to landfills or waste landfills that contributes with the pollution of our groundwater, lakes and rivers.

How does the E-Lampinator® work?

The E-Lampinator® compresses and crushes fluorescent lamps in very small pieces, which are accumulated within a standard metal drum of 55 gallons; at the same time the mercury vapor and other particles emitted from the lamps are immediately captured by the Vacuum unit that consists of two separated detachable modules, a multi-stage Filtering System, and the Activated Carbon Filtering System.

What type of lamps can the E-Lampinator® process?

The E-Lampinator® can process all those lamps that contain mercury, including Fluorescent tubes up to 12-foot long, CFLs (compact or energy-saver), circlines, and "U" shape.

Is the E-Lampinator® free of contamination?

The Lid of the E-Lampinator® is hermetically sealed over the drum. Results of studies and evidence of independent laboratories indicate that the operator, during the tests, do not experience exposure levels that are not under the standards of OSHA, NIOSH and ACGIH.

Is the E-Lampinator® easy to use and store?

Yes, the machine is easy to use and store, and it can even be operated under roof locations. The Operation and Maintenance Manual explains in detail all the procedures. To store the machine does not require special areas, but area should be ventilated or have access to ventilation.

How many lamps fill a drum?

Depends on the size and type. An average of 1,200 tubes of 4-foot long or 5,000 compact lamps or energy-savers. A drum can hold up to 425 lbs. of crushed lamps; including glass, phosphor powder, and other components such as plastic, metal and electronic.

Is the service or maintenance of the E-Lampinator® easy?

Very easy; but, it is very important to follow the service intervals. You will need to change the vacuum filters. The E-Lampinator® accepts only original spare parts. It is important to keep spare parts available all the time to avoid the interruption of the service.

How often do you need to change the filters or other components of the machine?

The Operation and Maintenance Manual details step-by-step through the procedures and service intervals for each component.

How many lamps does it take to saturate the activated carbon filter?

Depends on the type of bulbs. An approximately 110,000 tubes of 4-foot long, or 500,000 compact or energy-savers. Replacement is recommended after 100 drums of crushed lamps.

What should be done with all the residues in the drum and saturated filters?

Each country has its rules and regulations on the disposal of industrial and hazardous waste. Check with your local or state authorities.

Is the E-Lampinator® available in other voltages and cycles?

Standard: 110v, 60c. Available on 220v, 50/60c (at additional cost). Plugs available according to the country of destination.

Is the E-Lampinator® the only lamp crusher in the market?

No, but it is the safest, the most efficient, the best built, and the most economic in the long run. Factory Warranty of 12 months.

Please, contact us for more information.