

Portable Fluorescent Lamp Crusher



Fluorescent tubes are the most common light source now in use in offices and plants throughout the developed world. However, in the manufacturing process mercury is placed inside the tube. (A four-foot tube will contain 13 to 50 milligrams of mercury and 4 to 5 grams of a light emitting phosphor powder.)

Mercury has been designated as a hazardous substance by the Environmental Protection Agency because of its adverse effects on our biological systems. The disposal process presents many challenges; the most important one is not breaking the tube before mercury vapour control can be exercised. The handling of the tubes in the act of replacement, packing shipping and unloading presents many opportunities for breakage and thereby uncontrolled release of mercury as liquid and vapour. The controlled crushing of fluorescent tubes as close as possible to the source of the tube exchange minimizes the chances for uncontrolled mercury release.

Features and benefits

- An activated carbon filter for mercury vapour recovery to keep vapours below 0.05mg/m³ TLV(Threshold Limited Value) as per OSHA.
- The DRIZIT patented filtration system on all units is equipped with a motorized fan that continuously draws all mercury vapour and dust through the filter media.
- Patented sleeve system ensures user is never exposed when changing the drum.
- All feed opening of our chutes have a self-closing trap door to avoid exposure to vapour or shattered glass.
- All systems include optical sensors for tube and drum counts. Filter saturation is also monitored by the system to ensure optimal performance and safety.
- Crushing systems are made of 4 heavy duty metal flails mounted inside a separate chamber in order to create finer glass particles and have as many as 20% more crushed tubes per drum.
- Our double crushing chamber allows the unit to stay below 65db of noise even during the crushing process.

LC-ENVIRO PLUS

For smaller volumes, this economical model is made to crush 4 to 8 ft tubes. There is no impact shield with this model, and it does not include poly sleeve. The 210L (45 Imp gal) drum is not included and the drum dolly is optional.



TECHNICAL SPECIFICATIONS

Basic Machine Specifications	RDA
Width, Depth, Height (Inch)	24w, 24d, 12h
Width, Depth, Height (m)	0.61,0.61,0.30
Ship.wght, Pound: (kg)	75 LB: (34kg)
Power: Volt, Ampere, Hertz	115v, 4a, 50/60hz
Normal Container	210l Drum
Filter System	EF-24
Filter Cap. 4 Foot Tubes	2400
Hg Emission, Mg/Cub Meter	0.02 Average
Flail Motor Horse Power (hp)	1/6
Fan Horse Power (hp)	1/13
Lamp Types Handled:	
Fluoresc, Tubes, 8ft Or Less	Yes
U And Circular Tubes 15 Inches	No
Bulbs To 7.5 Diameter	No
Circular Tubes To 15" Diameter	No
Estimates and Capacities:	
Cap. 4 FT Tubes, Normal Container	800
Feed Capacity, 4 FT Tubes/Minutes	25
Flail Life, Number Of 4 FT Tubes	40000

CODE	DESCRIPTION
LC40000	LC-Enviro Plus Lamp Crusher
LC40010	Replacement Filter

Heavy Duty Lamp Crusher



LC 5000 LAMP CRUSHER

Our top-of-the-line model designed for maximum versatility, crushes all lamp types: (straight tubes 4 and 8 ft, bulbs up to 7.5 in, U-shaped and circular up to 15 in diameter of between legs). Emission-tested and proven on site for long lasting durability.

Over 40 years of lamp disposal safety.

DRIZIT specializes in the design and manufacture of fluorescent lamp disposers that meet environmental and safety standards for the disposal of spent lamps.

DRIZIT has continued moving forward and now manufactures several models designed to meet end-user needs for crushing every conceivable type of spent lamp.

Cutting-edge technology provides mercury vapour emission control.

Today, DRIZIT-patented products are equipped with electronic and digital controlled sensors for timely drum change and filter replacements. This innovative concept is built into all DRIZIT lamp disposers providing assurance in safety and reliability during the lamp disposal process.

TECHNICAL SPECIFICATIONS

Basic Machine Specifications	RDA
Width, Depth, Height (Inch)	54w, 36d, 100h
Width, Depth, Height (m)	1.37,0.91,2.54
Ship.wght, Pound: (kg)	600 LB: (272kg)
Power: Volt, Ampere, Hertz	220v, 15a, 50/60hz
Normal Container	210l Drum
Filter System	DHF-4DC
Filter Cap. 4 Foot Tubes	3600
Hg Emission, Mg/Cub Meter	0.005 or Less
Flail Motor Horse Power (hp)	1/2
Fan Horse Power (hp)	1/2
Lamp Types Handled:	
Fluoresc, Tubes, 8ft Or Less	Yes
U And Circular Tubes 15 Inches	Yes
Bulbs To 7.5 Diameter	Yes
Circular Tubes To 15" Diameter	Yes
Estimates and Capacities:	
Cap. 4 FT Tubes, Normal Container	900
Feed Capacity, 4 FT Tubes/Minutes	25
Flail Life, Number Of 4 FT Tubes	60000

CODE	DESCRIPTION
LC50000	LC 5000 Lamp Crusher
LC50010	Replacement Filter
LC50020	Replacement Polysleeves