



Weed Control

ECOflame® Greenhouse

For ecological decontamination and weed control of greenhouse soil and greenhouse floors



At present, environmental-friendly and effective control of weeds and other unwanted vegetation on soil and hardened surfaces is possible in a fast and simple way. The ECOflame Greenhouse weed burners deals extensively with unwanted weeds, crop remains, plagues and fungi.



Greenhouse 175

Greenhouse 100

Application

With the ECOflame Greenhouse, it is possible to burn and superficially decontaminate small and vast greenhouse surfaces swiftly and economically. Since chemical weed and disease control is subject to a continuous government policy, and the number of chemicals keeps diminishing, the ECOflame Greenhouse offers a great alternative. When burning weed, the weeds not only are being controlled effectively, but the weed-seeds are also being deprived of sprouting. Although the ECOflame Greenhouse is initially designed for an environmentally-friendly weed control, it proves to be effective during crop change, for burning crop remains and control of, algae, fungi, diseases and plagues, such as the leaf miner and thrips.

In addition, burning the soil surface may be a gas-saving alternative for the costly and time consuming steaming procedure, which enables a lower contract capacity. By burning the soil at crop change, new crops are able to grow easier because of the clean soil.

Functionality

The actual process of the ECOflame Greenhouse rests upon exposure of greenhouse ground surfaces to the intensive heat of blow torches at a temperature of approx. 1000 degrees Centigrade. Infrared radiation of the radiation grid enhances the burning process. The generated heat will be contained as much as possible in the fully insulated and protected burner compartment to minimize gas usage. Because of this heat exposure, the walls of the leaf cells burst open while withdrawal of moist takes place, which causes the weed to dehydrate and decompose. An incidental advantage is that crop enemies, such as algae, fungi, nematodes, glasshouse symphilids, leaf miners, thrips, snails and other insects and germs, are not resistant against the intense heat of the ECOflame burner. Naturally, hardened surfaces and soil in and around the greenhouse may be disposed of unwanted vegetation as well.

For usage in the horticulture or agriculture sectors, or on hardened surfaces, the sledges may be replaced by (optional) wheels.

Features

The ECOflame weed burners are characterised by the highest effective performance at very low gas consumption. The gas phase of the fuel, which may be propane or LPG, leaves the top of the gas tank and is mixed with the optimal quantity of air via the venturis especially developed for this purpose. The certified gas tanks are standard fitted with safety appendages against hose fractures, over-heating, over-pressure and a filling management of 80%. The electronic burning process, which can be controlled from a tractor or similar vehicle, results in an extreme effective and unpolluting use of gas.

Because of the light and compact construction of the ECOflame Greenhouse, track forming will be prevented as much as possible and an ECOflame can be hooked up to virtually any kind of gardening vehicle.



Select 500

Burning on greenhouse surfaces

Also for cleaning and decontamination of concrete greenhouse floors, our ECOflame programme with ECOflame Select and City offers a wide choice. These machines are developed for weed control on (public) hardened and semi-hardened surfaces and are suitable for usage on greenhouse floors.

The ECOflame Selects are manually driven machines with a burning width of 35, 50 or 70 centimetres.

The ECOflame City's are machine driven machines with a burning width of 100 and 150 cm.

Optional

- side burner for burning along posts and edges
- manual burner set on hose reel
- set of wheels with rubber tires and mounting frame for usage on hardened surfaces
- set of steel wheels and mounting frame for usage in the agriculture



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Technical data ECOflame® Greenhouse

	ECOflame Greenhouse 100	ECOflame Greenhouse 150	ECOflame Greenhouse 175
Article number	59009100	59009150	59009175
Operation width	100 cm	150 cm	175 cm
Operation speed	2 – 4 (km/h)	2 – 4 (km/h)	2 – 4 (km/h)
Capacity at 3 km/h	3000 (m ² /h)	4500 (m ² /h)	5250 (m ² /h)
Gas usage	10 (l/h)	15 (l/h)	17,5 (l/h)
Contents gas tank	85 l	116 l	116 l
Ignition	Elektronical	Elektronical	Elektronical
Flame safety control	Yes	Yes	Yes
Elektronical supply	12 V	12 V	12 V
Own weight with empty gas tank	230 kg	280 kg	300 kg

www.ecoflame.nl

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