The ecologically sensitive weed control

Reinert

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PORTABLE FLAME WEEDING DEVICES

environmentally sound & efficient

- back carrying rack 105 (T 105 R) suitable for 5 kg or 111 (T 111 R) suitable for 11 kg liquid gas bottle
- adjustable pressure relief valve with manometer
- breaking cut-out for the hose pressure hose 1,50 m
- adjusting grip with arm rest
- extension pipe with depositing bail
- slip-in holder
- pole burner with injector equipment without liquid gas bottle

type	pole burner	working width	consumption	output
T 105 - 100 R T 111 - 100 R	SB 100/i	100 mm	1,40 kg/h	18,02 kW
T 105 - 130 R T 111 - 130 R	SB 130/i	130 mm	1,60 kg/h	20,59 kW
T 105 - 160 R T 111 - 160 R	SB 160/i	160 mm	1,80 kg/h	23,17 kW

(all data is only nearly relevant – subject to technical changes)

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T 105 R / T 111 R
Liquid gas bottles are used for the extraction of gas during the gas phase.

economically & powerful

- transporting cart 111 suitable for an 11 kg liquid gas bottle (T 111 K)
- adjustable pressure relief valve with manometer
- breaking cut-out fort the hose
- pressure hose 5,00 m
- adjusting grip with arm rest
- extension pipe with depositing bail
- slip-in holder
- pole burner with injector equipment without liquid gas bottle

type	pole burner	working width	consumption	output
T 111 - 100 K	SB 100/i	100 mm	1,40 kg/h	18,02 kW
T 111 - 130 K	SB 130/i	130 mm	1,60 kg/h	20,59 kW
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T 111 K
Liquid gas bottles are used for the extraction of gas during the gas phase.

simple & safe technology

- guide wheel for the burner with simple pneumatic tire without pole burner
- turn- and swayable burner bracket
- bi-manually operated
- only to be used in connection with T 105 R or T 111 R

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For row treatment in agriculture and landscaping

USEFUL INFORMATION

Flame weeding is a practice-oriented, economical and environmentally sound alternative to weed removing. There is no need to use chemical agents .

In flame weeding parts of the weed plant are not totally burned, but only heated up to a temperature of 50-70 °C for a short period of time. In this range of temperature a large enough amount of plant cells get destroyed. The plant cells are destroyed by using the heat of the propan gas burner which is affecting the plant surface. This rapid increase of temperature leads to an extremely fast expansion of the cell saps, which causes the bursting of the cell walls. Protein coagulates at a temperature of approximately 50 – 70 °C.

USE

Flame weeding can be used :

- before germination in order to enable the cultivated plant to sprout without disturbing weeds
- after germination if there is a sufficient difference in temperature tolerance between the cultivated plant and the weed
- for weed killing in private and public landscaping

APPLICATIONS

Flame weeding offers a wider range of possibilities in practical plant protection.
Therefore, the application requires a change of thinking regarding previously used methods of weeding.

The best moment for using flame weeding is in early spring. The younger the weed is, the more successful the flame weeding will be.

In agriculture growth and in gardening you will mainly find very young weed plants due to the possibilities of seed bed preparation. In this case often one application of flame weeding is sufficient.

In public and local landscaping rootstock-building weeds are the most common and destructive weed art. Therefore in the first year there are four to five applications of flame weeding necessary in order to slowly weaken the nutrient storages in the roots and to prevent further storage of nutrients. For this reason it is necessary to repeat the treatment as soon as the weeds are growing again.

It is also recommended to perform a treatment after the growing period in fall. From experience a destruction of the already dropped seeds of the weed plants and a damage of the still existing leaves will lead to a considerably reduced and delated growth in the following spring.

TECHNOLOGY

REINERT-flame weeding devices work either from the gas phase or the liquid phase.
When withdrawing the gas during the gas phase the liquid gas is already vaporized inside the bottle and is gaseously lead into the burners.
In this process the capacity of the amount of gas extracted and the resulting possible working width of the flame weeding devices is limited.

When withdrawing the gas during the liquid phase the liquid gas is extracted from the gas bottles or the gas tank in liquid aggregation. Then the vaporization happens in specially developed gas burners. This method enables higher capacitiy of the amount of extracted gas and larger working widths.

Liquid gas is used because it burns residue-free and environmentally neutral to carbon dioxide and water. All REINERT-flame weeding devices are equipped with maintenance free high performance pole burners.

ADVANTAGES

- maximum functional safety and reliability
- the flame temperature is about 1950 °C
- consistent heat distribution covering the complete working width
- edge-sharp heat-boundary on the sides
- controllable, wind-safe and stable flame
- best combustion values – high efficiency factor
- ideal mix of gas and air
- low consumption and high performance
- high durability

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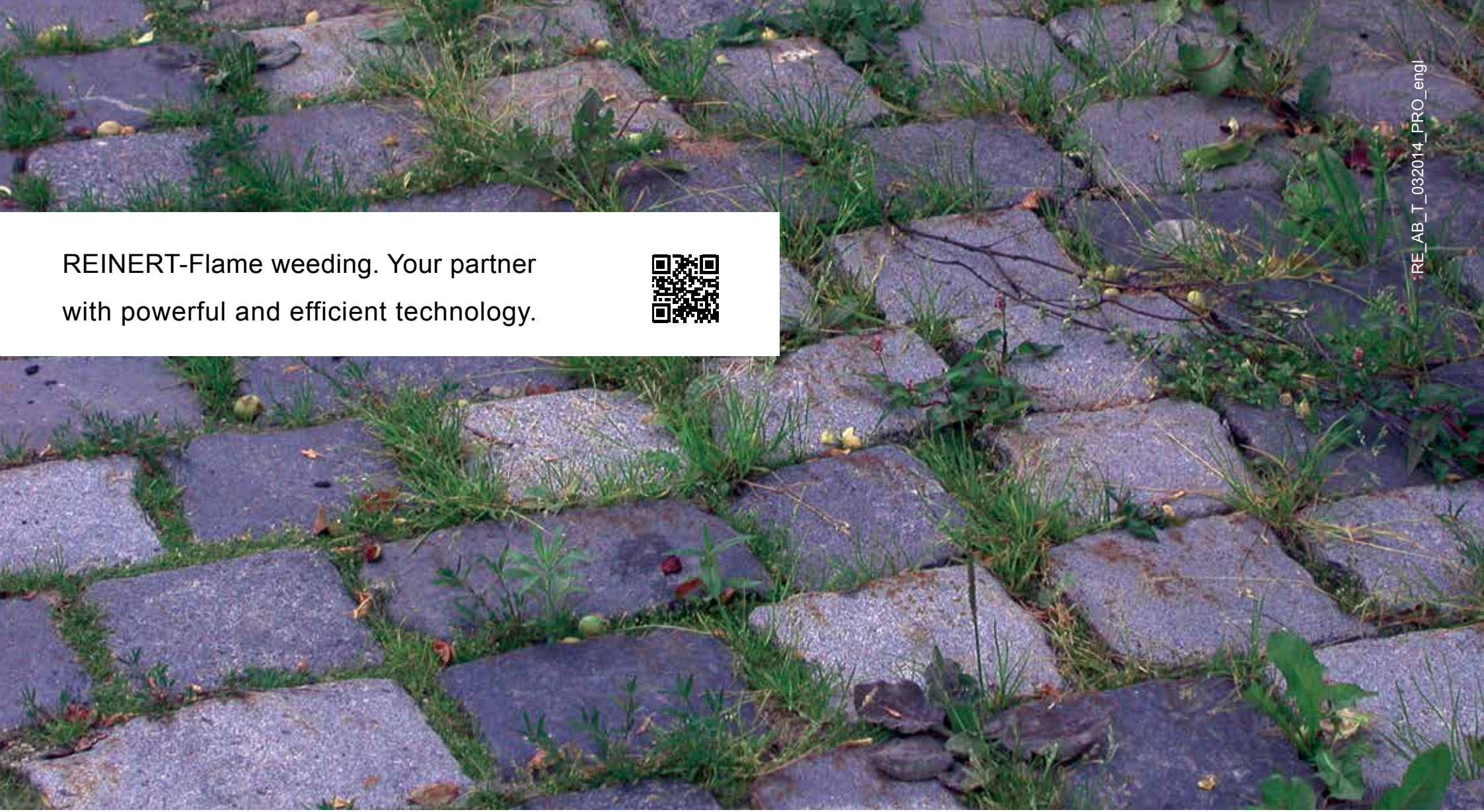
Technical details



REINERT-Flame weeding. Your partner
with powerful and efficient technology.

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REINERT
Metallbau GmbH
Marktplatz 9
D-91746 Weidenbach

Phone: +49 (0) 98 26 - 2 26
Fax: +49 (0) 98 26 - 2 80
E-Mail: info@reinertnet.de

Reinert
www.abflammtechnik.de