



✓ Self-sufficient

✓ Compact

✓ Impactful

Weed control with hot water

No problem with the stadiko ÖKOTHERM

The advantages in a nutshell:

- ✓ According to plant protection law without chemicals
- ✓ Completely self-sufficient (electricity and water independent)
- ✓ Large area performance
- ✓ Extremely small, quiet and inconspicuous
- ✓ Can be used independently anywhere
- ✓ No open flame
- ✓ Does not require additional vehicle

„ÖKOTHERM“ in detail

Self-sufficient/ Compact / Impactful

Technical data:

- Dimensions:
 - Width: 680 mm
 - Length (without surface vehicle): 1470 mm
 - Height: 1570 mm
 - Tare weight: 450 Kg
- Heating capacity: 90 kW
- Fuel: Fuel oil / Diesel
- Fuel tank capacity: 15 ltr
- Water flow rate: 8-10 ltr/min
- Water tank capacity: 280 ltr
- Connection for external suction
- Batteries: 2 x 12V / 140 Ah
- On-board voltage: 24 V
- Maximum run-time: 12 h
- The battery voltage can be monitored via a display on the tiller head
- Area performance with hand lances: min. 400 m²/h
- Hose length 20m (other length available)
- The hose is double-walled for maximum safety
- Dimensions surface vehicle: 650 mm x 400 mm
- Area performance with surface vehicle: min. 800 m²/h
- Maximum speed: 5 km/h
- working speed about 2 km/h
- Volume: Max. 74 dB(A)
- Volume acoustic-detector: Max. 95 dB(A)
- The acoustic-detector can be switched on via a switch on the tiller head
- The flashlight-detector can be switched on via a switch on the tiller head.



90 kW fuel oil fired burner chamber with temperature pre-selection and fault indication



Key switch to release the drive and burner



The surface vehicle can be
 · folded up
 · shifted laterally
 · easily disassembled



Relevant parameters can be controlled using the drawbar head



Large tank opening for filling and cleaning



· Connection to aspirate from an external container
 · Dirt filter in the intake



Switch between:
 · Return to the tank
 · Surface vehicle
 · Hose reel

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How does weed control work with hot water?

Water is heated using a burner in the ÖKOTHERM steam generator to create a mix of hot water and steam at 130°C.

The steam heats the surface so that the discharged hot water reaches the roots in the soil without any heat loss. This process triggers a protein shock in the plants which permanently destroys the plant's cell walls. The plant is then no longer able to absorb water and consequently dries up. This process must be repeated several times a year, depending on the vegetation and the environment.

The steam is applied via a heat-resistant, double-walled special hose, to which various accessories for area or pinpoint weed control can be connected.

The ÖKOTHERM can be used under virtually any weather conditions. It is specially designed for communal areas in pedestrian zones, graveyards, train platforms and any public areas where weeds need to be combatted. Thanks to its compact design, the ÖKOTHERM is particularly suitable for areas which cannot be accessed by larger devices.

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