ECOLOGICAL STEAM WEED CONTROL

eco PICK-UP

✓ innovative
✓ no pesticides
✓ 3 functions:
  • Steam weed control
  • High pressure washing
  • Electricity generator
✓ 4 models

WWW.MMSPRAY.IT
It can be easily transported on trucks, truck flatbeds and trailers where such means are compliant and can support the weight of the machine (470 Kg empty, from 1100 to 1600 Kg at full load). The machine is easily lifted and placed on the vehicle through a standard fork lift equipped with forks. It must be firmly secured on the truck bed with the points provided.
Thanks to the production of steam at 140°C it can be used without risk of fire for the weeding of:

- gravel surfaces
- paved surfaces
- sidewalks
- driveways
- roads
- rest areas
- parks
- squares
- flowerbeds with mulch
- sport facilities
- cemeteries

MM ECO PICK-UP draws the cold water contained in the tank (500 or 1000 liters depending on the version) sending it under pressure (20 or 80 BAR depending on the use) to a double coil boiler.

An oil burner heats the water until the desired temperature is reached by the operator (50-80°C in “washing mode”, 120-140°C in “weeding-disinfection mode”).

The action on the lance trigger starts the burner that heats the water as needed.

The transition between “weeding mode” to “washing mode” and vice versa is usually done in a few seconds, the technical time to adjust the temperature.
MM ECO-PICK UP is a self-pressure washer. Thanks to a pressure of 80 BAR at 80°C and to the nozzles provided, it is suitable for the cleaning of vehicles, buildings, monuments, urban furniture (removing of chewing-gum, graffiti etc...) and external surfaces. A rotating brush is included for an effective cleaning of road signs.

MM ECO-PICK UP is equipped with a silenced, independent and retractable generator of 3200W that can be used separately for the use of various power tools.
The STEAM WEED CONTROL is a modern and environmentally friendly means for the treatment of the areas subject to the growth of weeds without risk of fire.

The main advantage is the absence of harmful and toxic residues on the ground.

The absence of chemicals (pesticides and plant protection products) for which the use is increasingly limited except that prohibited, allows weeding respecting the Environment.

The heat emitted from the unit in the form of steam causes a thermal shock to the plant destroying cells.

The effect is immediately visible and the plant dies after a few days.

After some regular passages the plant will no longer have the strength to regrow and will finally disappear.
THE CONTROL PANEL

The control panel—simple, clear, ergonomic and completely safe—allows the operator to immediately become familiar with the operation of the machine.

The warning lights of the water level, fuel level, safety contactors provide the use of the machine without risk.

In case of lack of water or shutdown of the generator the machine will automatically shut down and the reserves will allow the operator to turn on the machine, lower the temperature and safeguard the life of the machine itself.

MM ECO PICK-UP

MM ECO PICK-UP has also been designed for the simultaneous work of two operators. The operators can work safely thanks to the two lances fed by 20 m of insulated pipe mounted on two automatic stainless steel hose reels with spring recovery.

The complete casing of the machine and the super-silenced generator allow noise levels less than 85 dB, ideal for use of the machine in towns and public places.

ECO PICK-UP 1000 provides the operator with an autonomy of 3 hours in “weeding mode”.

Once the water tank will be empty, it will be sufficient to fill the tank and the machine will be immediately ready for use. The capacity of the fuel tanks is sufficient to carry out a full working day.

ACCESSORIES

THE MACHINE COMES STANDARD WITH:

• two aluminum shields complete with nozzles for weed control
• a 40 cm boom for weed control and disinfection
• two nozzles for high pressure washing
• a rotating brush for the cleaning of flat surfaces.
### TECHNICAL DATA

#### ENGINE
- Petrol engine type Subaru EX21 with electric and/or manual start with fuel tank for 7/8 working hours on silenced generator of 85 dB at 7 m
- **Alternator**: 230V 3200W max

#### BURNER
- **Capacity**: 250,000 btu/h (75.6 kW)
- **Consumption**: 5.0 L/h
- **Diesel Tank**: 45 L for about 8 hours of heating use at max. temperature
- **Burner**: 230V
- **Pressure Protection**: Safety valve
- **Max Temperature**: 140°C
- **Temperature From the Lance**: 110-125°C (depending on the external temperature)
- **Combustion Quality**: Less than 400 ppm of CO Opacity under 2

#### PUMP AND HOSE REELS
- **Type**: High pressure pump with 3 ceramic pistons and brass head.
- **Model**: Annovi Reverberi SXM 15.20 15 LPM 80 BAR max
- **Rpm**: 1450
- **Pressure Regulator**: 20-80 BAR
- **Hose Reel**: 2 spring automatic S.S. hose reels
- **Hose**: 2 reels of 20 m each of insulated pipe
- **Lance and Gun**: 2 lances of 120 cm with steam nozzle and shield

#### GENERAL INFORMATION

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| **Dimensions of the Chassis**            | mm 1020x1700x1160 (LxWxH) - with 500 L tank  
                                        mm 1020x2100x1600 (LxWxH) - with 1000 L tank |
| **Dry Weight**                           | kg 470 (1000 L tank) |
| **Weight Full Load**                     | +/- kg 1600 (1000 L tank)  
                                        +/- kg 1100 (500 L tank) |
| **Water Consumption**                    | from 3 to 8 L/min with 1000 L tank  
                                        15 L/min for high pressure washing |

#### STANDARD ACCESSORIES

- 1 4-nozzle manual boom
- 1 nozzle for high pressure washing for one lance
- 2 nozzles for high pressure washing for two lances
- 1 rotating brush
- 1 descaling kit

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The machine is certified according to the Machine Directive by an independent certification body.