



K-22-BIO

PORTABLE THERMAL FOGGER

APPLICATION OF HEAT SENSITIVE BIOLOGICAL INGREDIENTS

Empty weight	11 kg
Size (length x breadth x height)	132 x 33 x 36 cm
Capacity of solution tank	2 x 5 litres
Capacity of fuel tank	2 litres
Cubic capacity of engine	1000 cm ³
Max. performance of engine	37,4 kW (50,8 hp, 32.200 kcal/h)
Max. fuel consumption.	3,8 l/h
Automatic ignition	Electronic ignition coil fed by 4 x dry batteries = 6V
Starting device.	Manual start
Flow rate.	20 - 60 l/h (according to nozzle size used)
Standard flow rate	30 l/h
Droplet size spectrum (depending on oil viscosity and nozzle size used).	< 25 µm (oil) < 60 µm (oil/water) < 150 µm (water)

The pulsFOG BIO System provides the following advantages

- a) The successful application of heat sensitive biological ingredients (Bacillus thuringiensis, Juvenile hormones, Beauveria bassiana) and other chemical substances.
- b) The fogging of wettable powder formulations without choking and clogging the outlet of resonator.
- c) The avoidance of fire hazard with highly combustible fogging liquids.

FOGGING TECHNIQUE AND APPLICATION

Thermal fogging is the generation of ultra-fine droplets in a range of 1-50 µm using thermo-pneumatic energy. Liquid substances are vaporized in the unit and form ultra-fine aerosols by condensing on contact with cool ambient air. Thermal fogging is used for any pest control task where active substances should be uniformly distributed even in inaccessible places, without leaving undesirable residues.

The fogging technique is the solution for treating large areas and spaces with a minimum quantity of pesticide solution, less operational work and with little harm to the environment (less residues, no penetration into the ground), e.g. in the field of public health, stock protection, plant protection, disinfection, decontamination, deodorization and cinema effects.