



K-10-DESERT

PORTABLE THERMAL FOGGER

FOR THE WORK UNDER EXTREME CONDITIONS

Empty weight	8,5 kg
Size (length x breadth x height)	106 x 29 x 33 cm
Capacity of solution tank	6 litres
Capacity of fuel tank.....	2 litres
Cubic capacity of engine.....	300 cm ³
Max. performance of engine	17,5 kW (24,1 hp, 15.300 kcal/h)
Max. fuel consumption	1,9 l/h
Automatic ignition	Electronic ignition coil fed by 4 x dry batteries = 6V
Starting device	Hand pump
Flow rate.....	10 - 35 l/h (according to nozzle size used)
Standard flow rate.....	12 l/h
Droplet size spectrum (depending on oil viscosity and nozzle size used)	< 25 µm (oil) < 60 µm (oil/water) < 150 µm (water)

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 and deodorization.

The model "pulsFOG K-10-DESERT" with additional heat shield and protection of the solution tank and fuel tank is designed for heavy-duty applications of medical services in tropical countries. In spite of the protective housing of the chemical tank and fuel tank a permanent control of the filling level of the fogging solution and the fuel still is guaranteed. The extralong protective grating of the fogging tube avoids unintentional contact with hot components of the unit.