PRODUCT BULLETIN
Subject to technical changes 12/2017

K-50

THE POWERFUL K-50 WITH 170 HP
STATIONARY THERMAL FOGGER

The pulsFOG BIO System provides the following advantages

a) The successful application of heat sensitive biological ingredients (Bacillus thuringiensis, Juvenile hormones, Beauveria bassiana, Neem tree oil) and other chemical substances.

b) The fogging of wettable powder formulations without chocking and clogging the outlet of resonator.

c) The avoidance of fire hazard with highly combustible fogging liquids.

Empty weight	55 kg (without solution tanks)
Wooden case (length x breadth x height)	185 x 86 x 61 cm
Capacity of solution tank	2 x 55 litres (square version) made of polyethylene
Capacity of fuel tank	2 x 20 litres
Cubic capacity of engine	3050 cm^3
Max. engine power	128 kW (171 hp, 110.000 kcal/h)
Max. fuel consumption	14 l/h
Starting power	12 V DC (automotive battery, not included)
Flow rate	60 - 400 l/h (according to nozzle size used)
Standard flow rate	200 l/h
Droplet size spectrum (depending on oil viscosity and nozzle size used)	< 25 µm (oil) / < 60 µm (oil/water) / < 150 µm (water)
Standard features	Electric start with quick on-off function; Triple automatic cut-off device; Resonator elevating system; Detachable fuel tanks; Tubular frame

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 publichealth, stock protection, plant protection, disinfection, decontamination, deodorization and cinema effects.

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