



U 5 M - ULV smart fogging!

iGEBa U 5 M is a high quality ULV cold fog generator in compact design. The ULV method permits minimum application rate/area (about 0.5l to 1.0l per ha.) to achieve effective and economic space treatments, i.e. vector control etc.. State of the art technology meets a modular system to cover various fields of application.

Droplet spectrum VMD: (Measurement by laser at IPARC)

- pure water < 25 µ
- oil (diesel) < 15 µ

Design features:

- Adjustable spray nozzle
- Low noise level ideal for treatments in residential areas, resorts etc.
- Vehicle mountable, i.e. ATVs, golf carts, pick-ups etc.
- More than 2 h working capacity without fuel refilling
- Easy cleaning and low maintenance effort
- Compact design: frame completely made of stainless steel
- In vector control up to 40 ha. without refilling
- Quick coupling system for fast change of 20 l solution tank (PE-HD)
- Operating pressure control by built-in manometer
- 2,6 KW (3,5 HP) Briggs & Stratton 4-stroke engine



Technology meets combination

• **Optional transport device**

Features:

- Fast change of the application position
- Comfortable and ergonomic handling by one operator



• **Optional remote control (5 m)**

Features:

- Fogging ON / OFF
- Motor OFF
- Control your application from the driver's cab (External 12 V DC power supply necessary)



• **Optional hose extension (5 m)**

Features:

- Amplify your application area



DIN EN ISO 9001:2008

Technical modification without prior notice. 03-2012



NEW U 5 M

iGEBa®

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1982-2012

Why ULV - Application?

IGEBA ULV Aerosol Generators keep the application rate (volume of chemical preparation per area) as low as possible, thereby treatment time and costs are diminished.

The chemical preparation is directed to the spray nozzle where a powerful blast of compressed air from the blower breaks up the chemical preparation into minute droplets. A dosage nozzle ensures a constant application rate and largely droplets of uniform size.

Spray nozzles of IGEBA ULV Aerosol Generators work in a special way. The spray nozzles are designed in a two-step-system. The droplet stream is bundled through the special aerosol nozzle without touching its inner surface. This principle allows to apply even wettable powders and prevents clogging of the spray nozzle.

Compared to the traditional spraying or LV method, the ULV method produces smaller droplets. Therefore more droplets are produced out of the same volume of chemical preparation. Smaller droplets mean a greater density of fog, better distribution and therefore higher effectiveness.

Example:

1 ml liquid applied
with 20 microns droplet size = 239 Mio. droplets
with 100 microns droplet size = 1,91 Mio. droplets

Droplet Size: (enlarged views)



The droplet spectrum is decisive for different applications. We reach the highest standards regarding effectiveness and optimum coverage of the target area. U 5 M produces a droplet spectrum of VMD < 25 µm when fogging pure water.

Technical specifications:

Motor:	
Typ	4-stroke engine, handstart system (Briggs & Stratton)
Fuel tank capacity, in l (Regular gasoline / E10)	2.0
Fuel consumption, in l/h. approx.	0.85
Battery	n/a
Performance, (KW/HP)	2.6 / 3.5
Speed, (U/min)	2860
Air compressor:	
Discharge rate, (m³/min)	1.0
Pressure, (bar)	0.2
Drive, (belt drive)	1
Speed, (U/min.)	14000
Air filter,	Foam filter
Air velocity at the nozzle, (approx. m/sec.)	
	200
Noise emission, dB(A)	
	85-90
Solution system:	
Solution tank PE-HD, nominal volume in (l)	20
Output quantity, in l/h.	approx. 10 l with dosage nozzle 0.8
Dosage nozzle, (standard)	0.8
Solution line, (Teflon)	Ø6 x 1 mm
Droplet spectrum: (IPARC)	
VMD, pure water (10 l/h.)	< 25 microns
VMD, oil (diesel) (10 l/h.)	< 15 microns
Number of nozzles	
	1
Aerosol nozzle	horizontally adjustable up to 135° and vertically up to 50°, continuously adjustable angle of radiation
Control:	
Motor	motor ON / OFF, hand start motor
Solution line control	by hand, solution tap OPEN / CLOSED
Chassis:	
Type	stainless steel
Dimensions:	
L x B x H, (in cm)	60 x 53,5 x 58 cm
Empty weight, (in kg)	38
Optional:	
Remote control, (also retrofit-kit) (optional)	5 m. cable, external 12 V DC supply necessary
Hose extension with Aerosol nozzle (optional)	5 m in horizontal direction, not over- head. Equipped with couplings for air and solution hose.
Transport handle with wheels (optional)	stainless steel construction with two pneumatic tyres
Acid-proof solution line (optional)	

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