



## UNIPRO<sup>2</sup> Electric ULV Cold fogger

IGEBA UNIPRO<sup>2</sup> is a high quality ULV cold fog generator in compact design. The ULV method permits minimum application rate/area to achieve effective and economic space treatments for hygiene and pest control. State of the art technology meets a modular system to cover various fields of application.

### Droplet spectrum VMD at 10 l/h / 2.7 gal. (US)/h:

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

### Design features:

- Compact design: body completely made of stainless steel®
- Acid resistant execution
- Bendable spray attachment
- Quick coupling system for optional spray attachments or hose extension
- Excellent droplet spectrum with an output of 10 l/h / 2.7 gal. (US)
- Operating pressure control by built-in manometer
- Build-in interface for electric timer
- Easy cleaning and tool-free maintenance
- Quick coupling system for fast change of 20 l / 5.3 gal. (US) solution tank

- **Equipped with interface for optional timer:**  
For time-controlled fogging



- **Optional 20 l / 5.3 gal. (US) solution tank (HD-PE):**  
With frame and quick coupling system for fast change of solution tank



- **Optional hose extension 5 m / 16 ft with quick-coupling system:**  
Amplify your application area



**UNIPRO<sup>2</sup>**  
during disinfection in a hygiene sensitive environment, i.e. food safety



## Why ULV - Application?

IGEBA ULV Aerosol Generators keep the application rate (volume of chemical solution 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 solution into minute droplets. A stainless steel 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.

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 µm droplet size = 239 Mio. droplets  
with 100 µm droplet size = 1,91 Mio. droplets

### Droplet Size: (enlarged view)



The droplet spectrum is decisive for different applications. We reach the highest standards regarding effectiveness and optimum coverage of the target area. UNIPRO<sup>2</sup> produces a droplet spectrum of VMD < 25 µm when fogging pure water.

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## Technical specifications:

<b>Motor:</b>	
Type	electric motor
Power supply	110/230 V - 50/60 Hz
Performance (kW)	1.2
<b>Air compressor:</b>	
Discharge rate (m <sup>3</sup> /h / cfm)	80 / 47 at 230 V
Pressure (bar) 240 V	0.20
Pressure (bar) 110 V	0.18
Air filter	Foam filter
<b>Solution system:</b>	
Solution tank (HD-PE)	standard 6.5 / 1.7
nominal volume in l / gal. (US)	optional 20 / 5.3
Output quantity (water) 240 V motor	with dosage nozzle 0.8 approx.
in l/h. / gal. (US)/h	10 / 2.7
	with dosage nozzle 0.6 approx.
	7.5 / 2.0
Output quantity (water) 110 V motor	with dosage nozzle 0.8 approx.
in l/h. / gal. (US)/h	8 / 2.1
	with dosage nozzle 0.6 approx.
	6 / 1.6
Dosage nozzle	0.8 / 240 V
(standard stainless steel)	0.6 / 110 V
Solution line	Teflon
<b>Droplet spectrum:</b>	
VMD, pure water - 10 l/h. / 2.7 gal. (US)/h	< 25 µm
VMD, oil (diesel) - 10 l/h. / 2.7 gal. (US)/h	< 15 µm
Number of nozzles	1
Horizontal reach (water)	
in m / ft.	30 / 100
Aerosol nozzle	Bendable spray attachment adjustable in any direction
<b>Control:</b>	
Motor	switch ON / OFF
Solution line control	solution tap
	OPEN / CLOSED / VENTILATION
<b>Chassis:</b>	
Type	stainless steel®
<b>Dimensions:</b>	
L x B x H,	
Basic model with 6.5 l tank / 1.71 gal. (US)	
(in cm)	43 x 43 x 28
(in inches)	16" x 16" x 11"
Empty weight, (in kg / pounds)	16.4 / 36.1
<b>Optional accessories:</b>	
Electric timer	Plug & Play
Hose extension	5 m, with quick coupling for both air / solution hose and Fog control unit
20 l / 5.3 gal. (US) Solution tank (HD-PE)	with stainless steel® frame
Dosage nozzles	different sizes available