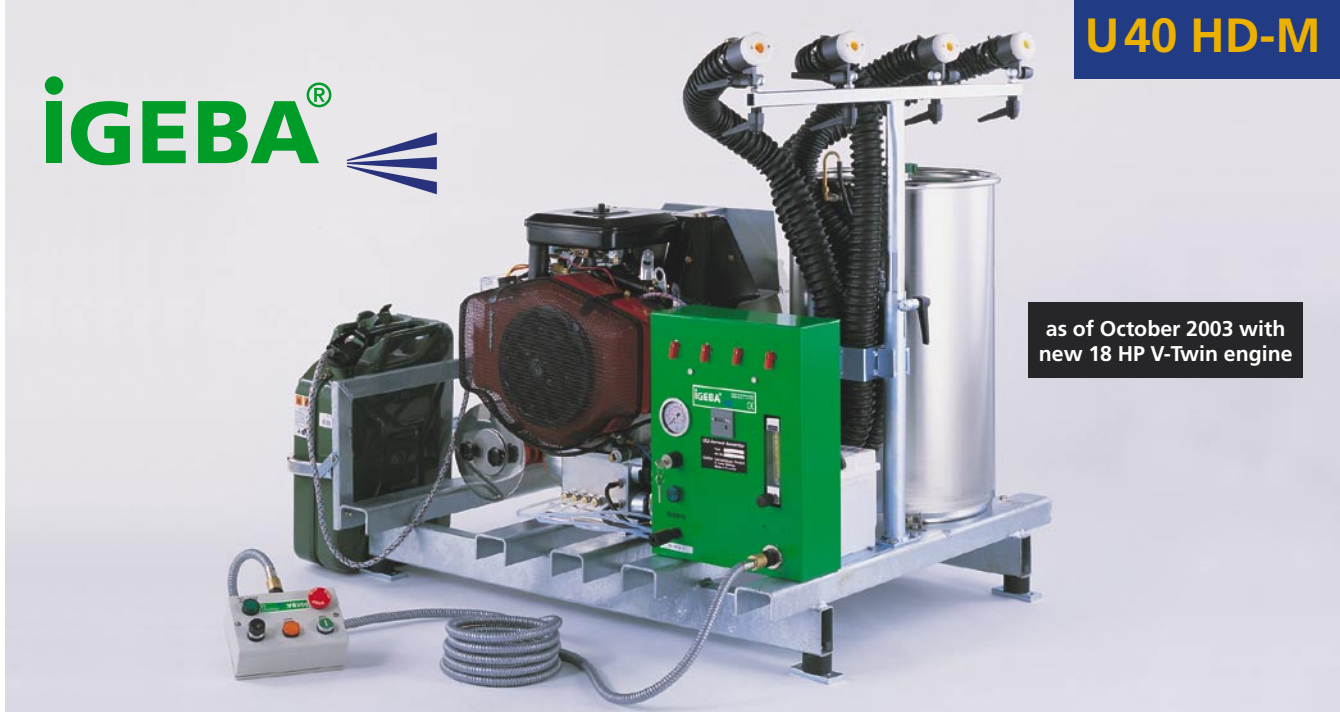




ULV Aerosol-Generator U40 HD-M



as of October 2003 with
new 18 HP V-Twin engine

Technical specifications

Weight in kg, approx.	196
Dimensions L x W x H in cm	110 x 95 x 68
Engine	18 hp, 4 cycles (V-Twin)
Drive	2 V-belts
Side channel blower Discharge rate (m ³ /min)	6.0 at 3500 rpm
Pressure (bar)	0.25 (0.3 max)
Control system (Remote control with 5 m cable)	Electric starter for engine solenoid valve for fog solution
Fuel tank capacity in l	20
Fuel consumption, approx., in l/h	4.5
Stainless steel tank, capacity in l, standard	75
Battery	12 Volts DC, 45 Ah, charger
Nominal output in l/h	40 [water or oil]
Output in l/h	60 [water, max]
Air filter	Paper star filter
Number of aerosol nozzles	4

Optionals

- hose extension, 10 m long with aerosol nozzle, output 10l/h
- accessory kit for treatment of city sewerage through man-holes
- trolley
- solution tank (50 l) made from stainless steel or 67 l solution tank (HD-PE)
- additional fuel tank 20 l

Also available with electric motor, 11 KW, 3-phase main supply
IGEBA U 40 HD-E and for automatic operation.

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Why Ultra Low Volume application?

The aim is to keep the application rate as low as possible and thereby diminish both the cost of the total quantity applied as well as the actual treatment time.

The chemical preparation is conducted to the spray heads where a powerful blast of air from a blower breaks up the chemical substance into minute droplets. On its way to the spray head, the pesticide passes through a flow meter or dosage nozzles to ensure a constant application rate and produce droplets of uniform size. This shortens the treatment time and reduces the quantity of active agent applied, thereby achieving the highest standards of efficiency and optimum coverage.

Benefits

This application technique is exceptionally safe!

The aerosol generator operates very efficiently!

Operating direction is variable right through 360°. Moreover, every nozzle can be operated individually. Saving of pesticide is obvious driving at lower speeds.

The aerosol generator is very reliable!

A special design, in conjunction with highly effective protective measures, ensures dependable application also under the stringent conditions of public hygiene. Incidentally, cold aerosols are virtually invisible.

Droplet size data for the IGEBA ULV Aerosol-Generators

Ambient temperature: 22.0 °C

Formulation temperature: 22.0 °C

per nozzle	'D(v,0.5)'	'D(v,0.9)'
water	13.4 µm	30.4 µm
oil	< 12 µm	< 20 µm

Space treatment

IGEBA ULV Aerosol-Generators produce aerosol droplets, using highly concentrated formulations. The rate of application depends upon active ingredient and formulation used but usually ranges from 0,5 - 4 l/ha. If mounted on a vehicle the forward speed of the vehicle should not exceed 10 km/h. EC (Emulsion concentrates) and ULV formulations can be diluted with diesel or kerosene or water, while WP (Wettable powders) can be diluted with water.

