

Laser fume extraction unit 200 m³/h at 7,500 Pa with self-cleaning filter cartridges - ULT LAS 0300.0- HD.13.11.4005

Item no. WL37386

Manufacturer ULT

Laser marking and laser cutting produce fine, sticky dust that blinds conventional cassette filters within a short time. The LAS 300 HD.13 2Pa therefore uses two automatically cleanable filter cartridges with 2.2 m² of filter area and a high-pressure turbine delivering 200 m³/h at 7,500 Pa with up to 12,000 Pa vacuum. Volume flow control, a loading indicator and a SUB D9 interface tie the unit into the laser machine.

TECHNICAL DATA

Weight 0.1 kg



DESCRIPTION

Laser marking and laser cutting generate dust with a high share of sticky fine particles that blinds a non-cleanable filter quickly. The ULT LAS 300 HD.13 2Pa answers this with two automatically cleanable filter cartridges totalling 2.2 m² of filter area and a 1.3 kW high-pressure turbine that still delivers airflow through long ducts and narrow nozzles.

BENEFITS

- Two automatically cleanable filter cartridges with 2.2 m² filter area for high dust loads, giving markedly longer service life
- Polyester fibre media with Teflon coating, well suited to adhesive laser dust
- High-pressure turbine with maintenance-free EC drive, 200 m³/h at 7,500 Pa and up to 12,000 Pa vacuum
- Volume flow control and particulate filter loading indicator show filter condition during operation
- SUB D9 interface with remote on/off and operating signal for coupling to the laser system

TECHNICAL DATA

Item number	WL37386
Model	LAS 300 HD.13 2Pa
Manufacturer	ULT

Manufacturer item number	LAS 0300.0-HD.13.11.4005
Order unit	piece
Motor rating	1.3 kW
Nominal volume flow	200 m ³ /h at 7,500 Pa
Volume flow max	400 m ³ /h
Vacuum max	12,000 Pa
Voltage	230 V
Frequency	50/60 Hz
Nominal current	11 A
Noise level	60-71 dBA
Filter cartridges	2 pieces, ULT 02.1.581
Filter area	2.2 m ² (2 x 1.1 m ²)
Filter material	polyester fibre with Teflon coating
Filter cleaning	automatic
Interface	SUB D9, remote on/off, operating signal
Indicators	particulate filter loading indicator

APPLICATIONS

Extraction of laser fume and laser dust during marking, engraving, cutting and laser welding. Equally suitable wherever dry dust occurs in larger quantities and a non-cleanable filter would give too short a service life.

COMPATIBILITY AND SCOPE OF DELIVERY

Scope of delivery: LAS 300 HD.13 2Pa extraction unit with high-pressure turbine, volume flow control, loading indicator and SUB D9 interface, fitted with two ULT 02.1.581 filter cartridges. The 02.1.581 cartridges can be reordered separately as spare parts. Capture elements such as extraction arms, hoods or hoses are not included and are selected to suit the application.