UFO-LP

FILTERING UNIT FOR LASER-
AND PLASMA CUTTING OF METAL

APPLICATION

- efficient in extraction of dry dust, arising during laser- or plasma cutting of metal
- additionally applied in chemical industry, pharmaceutics, food production, plastic processing

FEATURES

- one or two filtration chambers with cartridge filters
- fan placed in a sound absorbed chamber
- compressed air tank with electromagnetic valves
- decompression chamber
- Venturi orifice
- connections Ø500 mm
- automation set

ADVANTAGES

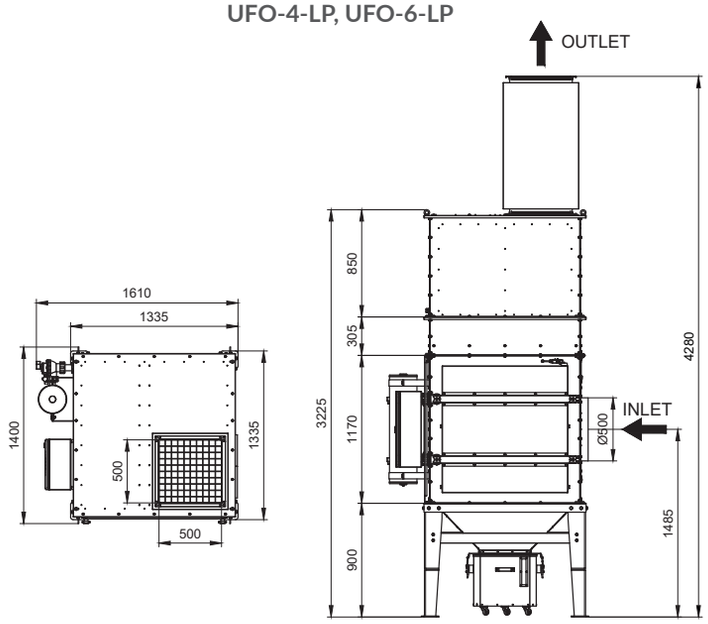
- efficient extraction and separation of dust, emitted during laser- or plasma cutting of metal elements
- filters cleaned automatically with impulses of compressed air
- convenient filters replacement
- high economy due to the large filtration surface
- equipped with a duct spark catcher
- possibility of installing the control unit in a chosen convenient place within the process room

TECHNICAL DATA

Type	UFO-4-LP	UFO-6-LP	UFO-8-LP
Part No.	805U31	805U32	805U33
Maximum volume flow [m^3/h]	6200	8000	13 000
Operational volume flow of laser/plasma cutting [m^3/h]	4000	6000	8000
Maximum vacuum [Pa]	2450	2950	2950
Motor rate [kW]	3,0	5,5	5,5
Filtration surface [m^2]	120	120	180
Supply voltage [V]	3x400	3x400	3x400
Acoustic pressure level [dB(A)][1]	64	69	69
Weight [kg][2]	788	803	1002
Quantity of inlet connections [pcs]	1x500	1x500	2x500
Required compressed air pressure [bar]	6–8		
Quantity of cartridge filters	4	4	6
Capacity of the dust container [dm^3]	72	72	72
Minimum consumption of compressed air [Nm^3/h]	5,6	5,6	8,4

1. Measuring of the acoustic pressure level has been carried out from a distance of 1 metre, at the nominal volume flow.
2. Weight of the device with silencers.

UFO-4-LP, UFO-6-LP



UFO-8-LP