

UFO-A-N

FILTERING UNIT
FOR MANUFACTURING PROCESSES

APPLICATION

Is irreplaceable in capturing the dry dusts, arising during:

- welding,
- grinding the non-sparking materials,
- powder painting,
- processing of cast iron.

FEATURES

- one or more filtration chambers, with cartridge filters
- compressed air chamber with electromagnetic valves
- decompression chamber
- Venturi orifices
- connections Ø500 mm
- a set of automation



ADVENTAGES

- high-efficiency filtration
- automatic cleaning of filters by impulses of compressed air
- convenient filters replacement
- signalling of the pollution degree of the filters
- option: possibility of installing the spark catcher
- option: possibility of installing the CaCO₃ dosing unit
- possibility of installing the automation set in a convenient place within the hall
- used inside or outside the building
- the ability to regulate the flow efficiency of the device by equipping it with a frequency converter controlled by a pressure converter

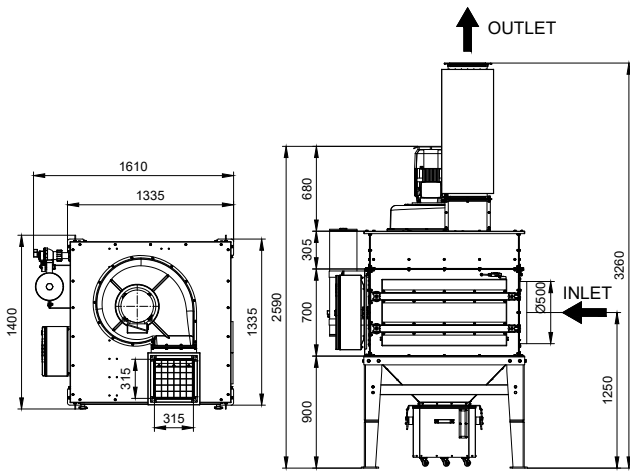
TECHNICAL DATA

Type	UFO-A-5000-N	UFO-A-10000-N	UFO-A-15000-N	UFO-A-20000-N
Part No.	805U20	805U21	805U22	805U23
Maximum volume flow [m ³ /h]	9200	14 300	18 100	22 700
Operating volume flow [m ³ /h]	4000–6000	8000–12 000	12 000–16 000	16 000–21 000
Maximum vacuum [Pa]	4100	4500	5000	5250
Motor rate [kW]	5,5	11	18,5	22
Filtration surface [m ²]	60	120	180	240
Supply voltage [V]	3x400	3x400	3x400	3x400
Acoustic pressure level [dB(A)] ¹	72	76	78	80
Weight [kg] ²	575	765	1015	1125
Quantity of inlet connections [pcs]	1x500	1x500	2x500	2x500
Required pressure of compressed air [MPa]	0,6–0,8			
Quantity of cartridge filters	2	4	6	8
Capacity of the dust container [dm ³]	72	72	72	72
Minimum requirement for compressed air [Nm ³ /h] ²	3,2 Nm ³ /h (53 liters/min)	6,3 Nm ³ /h (105 liters/min)	9,5 Nm ³ /h (158 liters/min)	12,6 Nm ³ /h (211 liters/min)

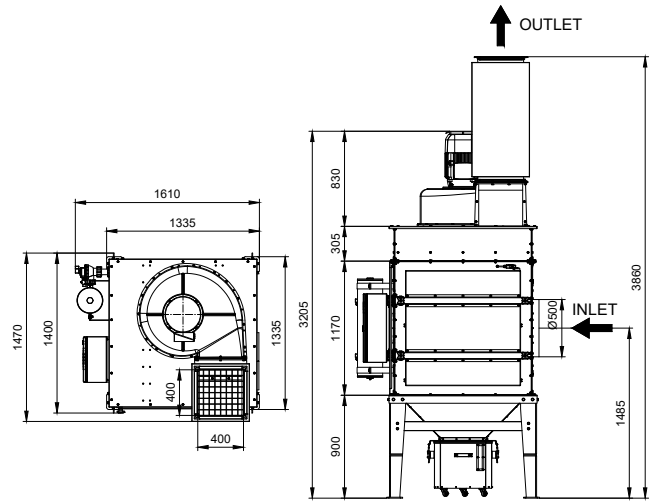
1. Weight of the device – without silencers.

2. CAUTION: Air consumption for factory set regeneration parameters.

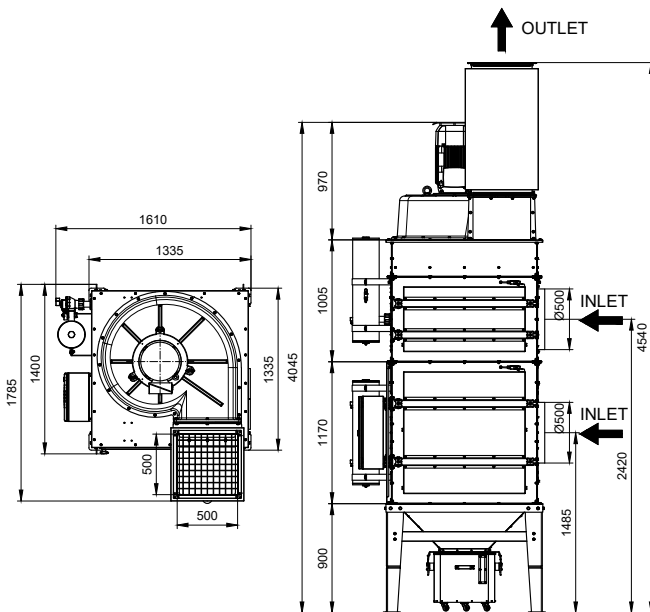
UFO-A-5000-N



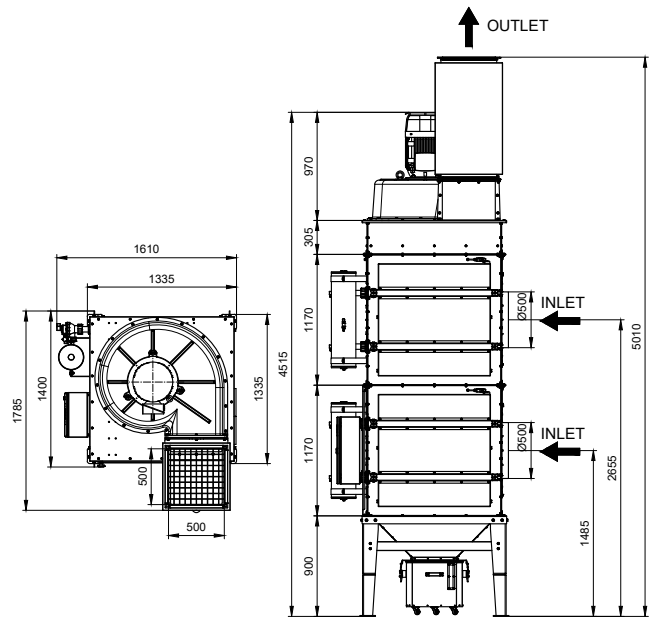
UFO-A-10000-N



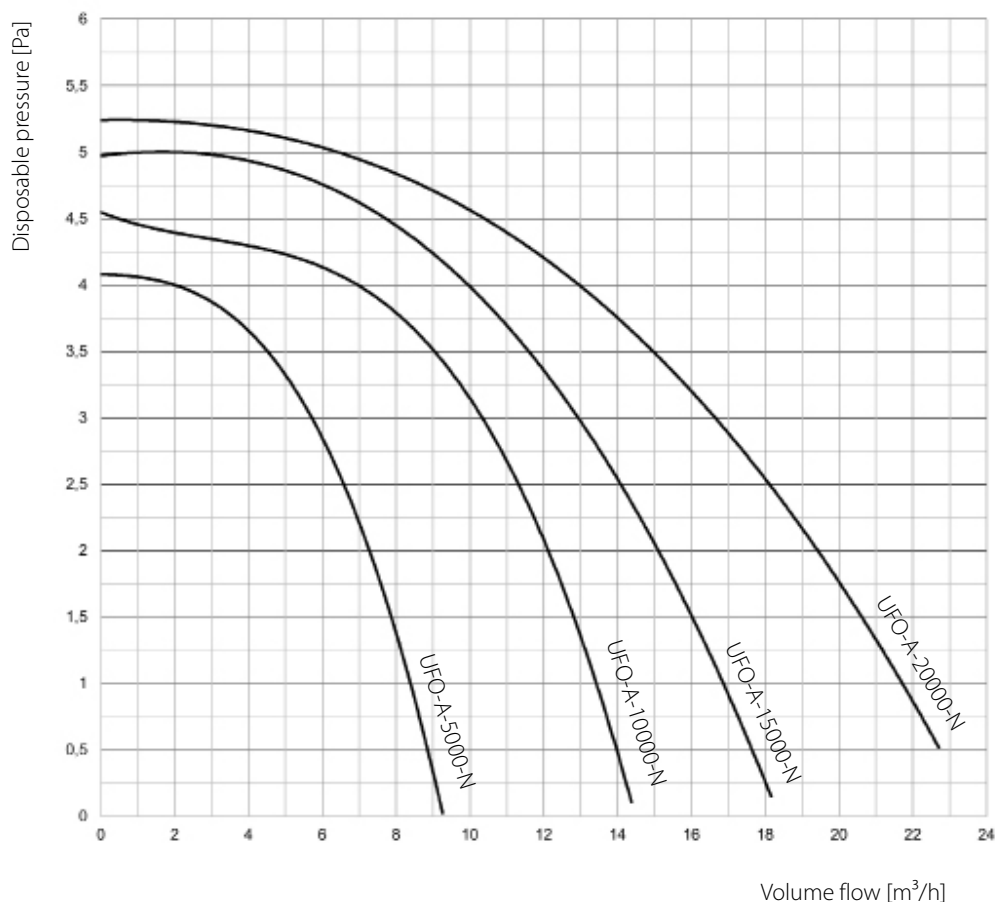
UFO-A-15000-N



UFO-A-20000-N




OPERATIONAL PRESSURE OF THE FLOW FUNCTION




REPLACEABLE PARTS

CARTRIDGE FILTER

	Type	Part No.	Weight [kg]	Filtration efficiency [%]	Filtration surface [m²]
	POH306638U	400F13	9,35	to 99,9	30

ADDITIONAL EQUIPMENT

CaCO₃ DOSING UNIT

	Type	Part No.	Remarks
	UN-1	804U20	UN-1 is dosing CaCO ₃ (that accumulated in the container). The created air-CaCO ₃ -mixture protects the filters from building up the excessive pollution layer. This contributes to the better filters longevity and protects the filters from fire/ignition.