



UFO-1-MN-S



UFO-2-MN-S

Application

UFO-S type filtering units are applied for cleaning the air from dust and gas impurities arising during the various manufacturing processes. They are irreplaceable in capturing the dry dust formed during welding and other processes of fine dust emission. Maximum temperature of the conveyed air is 60°C. Due to the automatically cleaned cartridge filters with a teflon membrane, the dust particles (even those smaller than 0,4µm) are separated on the outer filter surface, from there they are periodically struck down by impulses of compressed air.

UFO-S is manufactured in versions:

- mobile or wall-mounted,
- with one or two extraction arms.

Structure

Each UFO-S consists of:

- steel housing,
- radial fan,
- pre-filter – size of wire mesh holes 0,8x0,25 mm – functioning as a spark catcher,
- high-efficiency cartridge filters – polyester paper coated with a teflon membrane – class H13,
- active carbon impregnated spunbond filter,
- pneumatic filter regeneration system – consists of a compressed air tank and electromagnetic valves,
- waste container,

- control unit – to start the device and control its function,
- set of castors in the mobile version or a set of brackets in the wall-mounted version.

Operational use

UFO-S devices are adapted for installing the ERGO extraction arms of workrange 2, 3 or 4 metres and diameter 160 mm. UFO-1-S is adapted for attachment of one extraction arm, whereas UFO-2-S for two extraction arms. Prior to operation, the device should be connected to the external compressed air installation of 6-8 bar pressure. After the device is switched on, the control unit provides continuous function of the fan and regenerates automatically the filters by means of periodical compressed air impulses (without work interruption). Additional feature is the offline filter cleaning, simply by manual pressing of the button to generate the compressed air impulse.

The filter maintenance consists in following activities:

- periodical cleaning of the pre-filter from the deposited dust (every several weeks),
- periodical replacement of the carbon spunbond filter (every several months),
- periodical replacement of the cartridge filter (every 1-2 years).

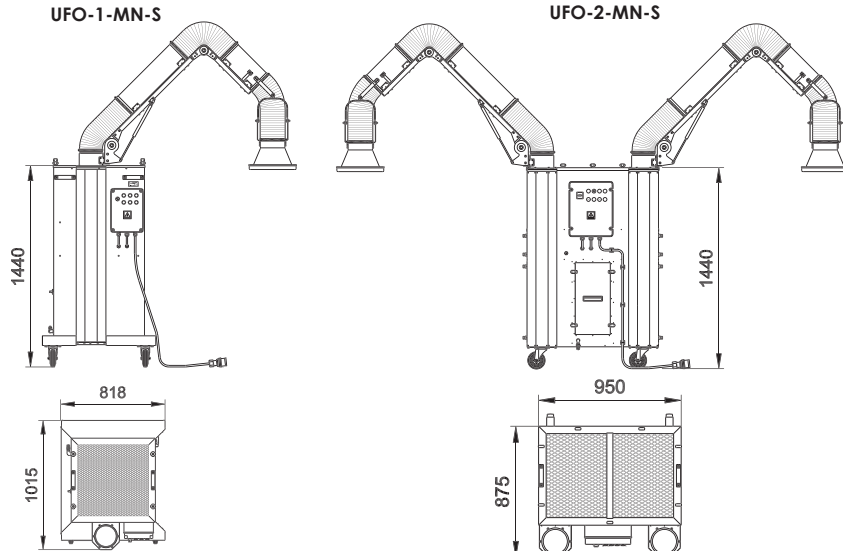
Technical data

Type	Part.No	Maximum volume flow [m ³ /h]	Maximum vacuum [Pa]	Supply voltage [V]	Motor rate [kW]	Acoustic pressure level [dB(A)] from distance		Consumption of compressed air [Nm ³ /h]	Weight [kg]	Quantity of the connections for the ERGO arms
						1 m	5 m			
UFO-1-MN-S	804U52	2000	2500	230	1,1	69	64	0,7	160	1
UFO-1-HN-S	804U51									
UFO-2-MN-S	804U54	3000	2600	3x400	2,2	70	65	1,4	209	2
UFO-2-HN-S	804U53									

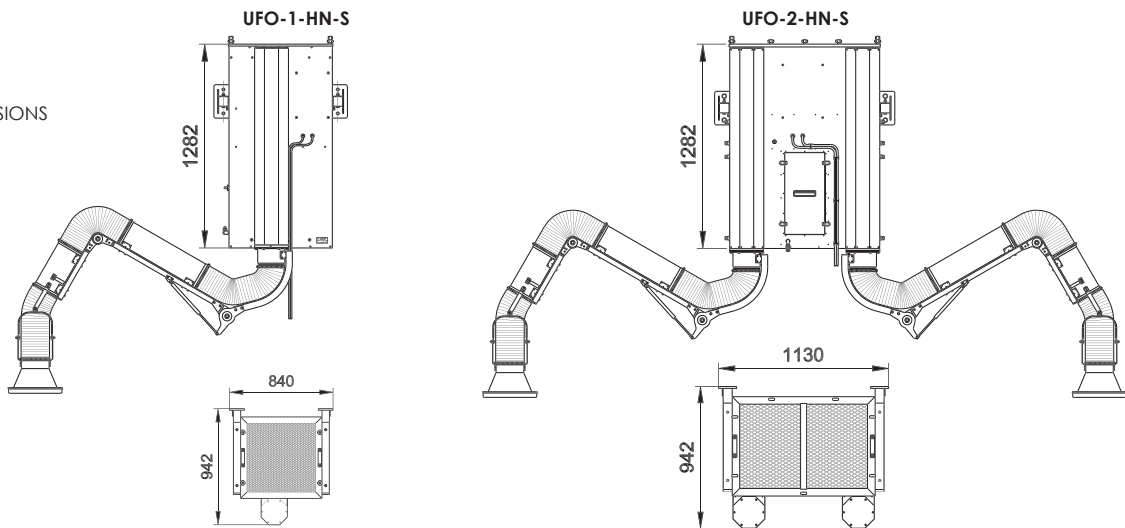
Caution: 1. Volume flow was measured at clean filters.
2. Our complete offer of the extraction arms is presented on separate catalogue cards.



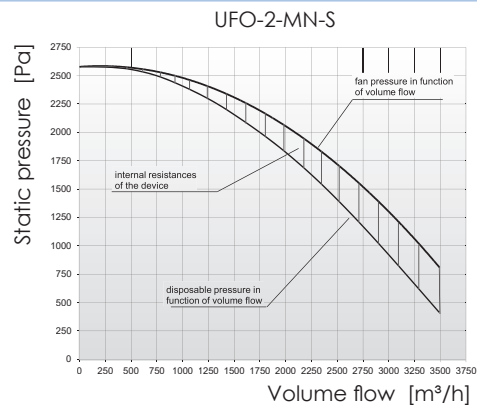
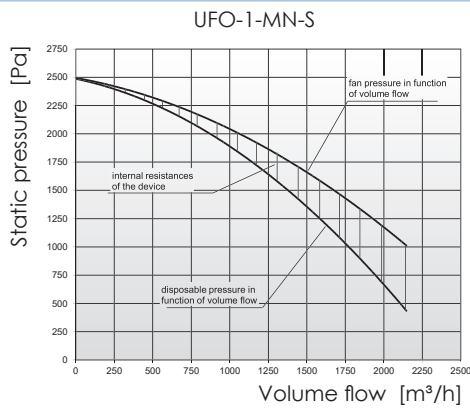
MOBILE VERSIONS



WALL-MOUNTING VERSIONS




Flow charts




Replaceable filters

Cartridge filter

	Type	Part No.	Weight [kg]	Class	Filtration efficiency [%]	Quantity of filters
	PTMb-085032T	838N18	4,2	H13	99,95	1 pc - UFO-1-S 2 pc - UFO-2-S

Caution: As a standard the device is equipped with filters PTMb-085032T.

Active carbon impregnated spunbond

	Type	Part No.	Weight [kg]	Dimensions [mm]		Quantity of filters
				A	B	
WF-1-MH	838W27	0,3	650	650	1 pc - UFO-1-S	
WF-2-MH	838W26	0,6	950	880	1 pc - UFO-2-S	