

FPS – mist extraction wall for spray painting



FPS-1 with a UWT worktable



FPS-2

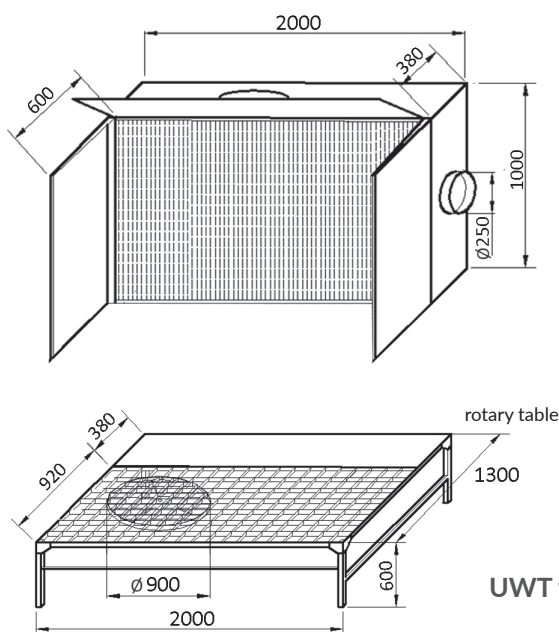
Purpose

FPS-type filtering paint stations are appropriate for extraction of the mist, arising during the spray painting of various not large elements.

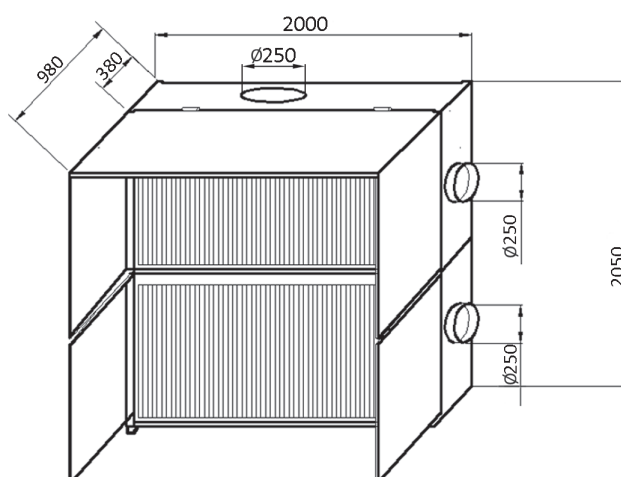
Structure

FPS-1 wall is a one-segment structure, whereas FPS-2 consists of two filtration segments. Each wall segment is equipped with an exchangeable pleated filter, providing labyrinthine air circulation. Paint particles deposit on this filter cartridge (efficiency – approx.

50%). Behind the labyrinth-filter are placed parallel 3 spunbond filters, providing the second filtration stage – of efficiency up to 90%. Each wall segment is equipped with a connection fitting piece, to the extraction fan, (as standard located on the right side surface). It is easy to displace the connection to the left surface, or to the top of the paint station. Each paint wall has two side swinging boards and an upper board. FPS-1 filtering station can be mounted on the UWT worktable (as a Universal Ventilation Station), equipped with a deposit grate and a rotary disk-table. The whole device must be connected to the Ex fan of minimum volume flow 3000 m³/h for each wall segment.



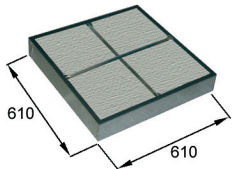
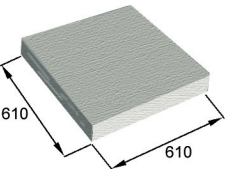
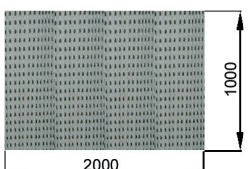
UWT worktable



Filtering walls and worktable

Type	Part no.	Recommended volume flow [m³/h]	Flow resistances [Pa]	Weight [kg]
FPS-1	814S02	3000	350	97
FPS-2	814S04	6000	350	183
UWT	814S00	—	—	160

Replaceable filters

Sort of the filter	Type	Filter class	Part no.	Quantity
	KF	G3	838K01	3 pc. for FPS-1 6 pc. for FPS-2
	WF	G3	838W20	3 pc. for FPS-1 6 pc. for FPS-2
	PL	G1	838F25	1 pc. for FPS-1 2 pc. for FPS-2

Fans

The filtering paint station should be connected with the fan (which serves for one filtering paint station only) or to the main collecting ventilation system, operated by one central fan. The fans should be in explosion proof execution. As the air is removed

outside the building (no re-circulation), it is recommended to use roof fans. Fan selection ought to be carried out with reference to the catalogue section FANS.

NOTE: Ordering the devices and accessories specify their name and Part no.