

FPS-1 with worktable UWT



FPS-2



Application

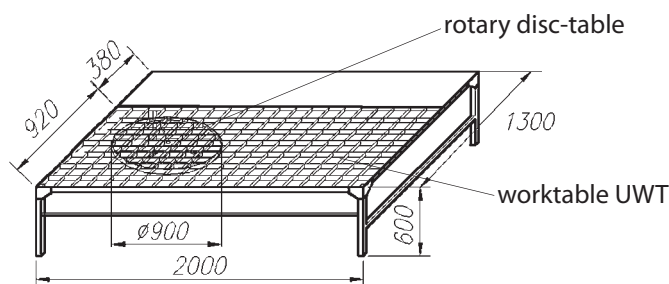
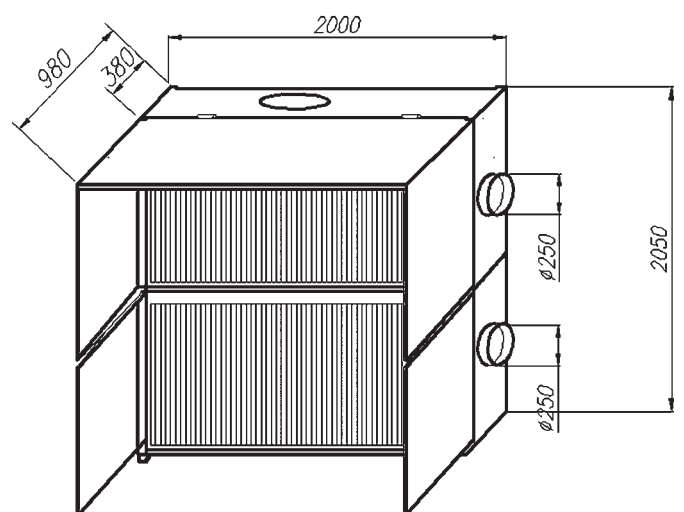
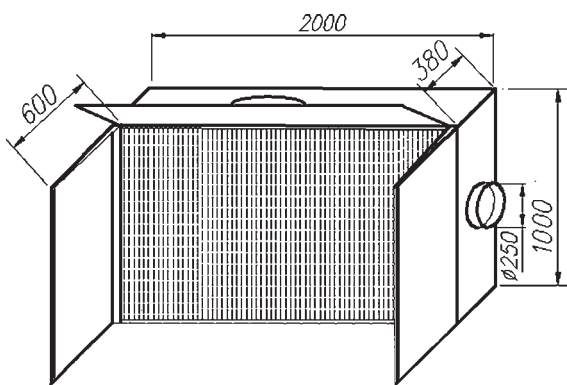
Filtering paint stations – type FPS are applied for capturing the mist arising during spray painting of various small elements.

Structure

The FPS-1 filtering paint station is one-segment structure, whereas FPS-2 consists of 2 filtering segments. Each wall segment is equipped with exchangeable pleated filter, ensuring labyrinthine air circulation. Paint particles are depositing on this filter (efficiency – approx, 50%). Behind the labyrinth-filter are placed 3 spunbond filters (parallel location). Here is proceeding the second filtering stage – ensuring filtering efficiency: up to 90%.

Each segment of the filtering paint station is equipped with a connection bush for fan connection (standard position - on the right side wall). It is very easy to detach the ferrule and fix it on the other side wall or on the upper segment-surface.

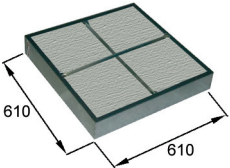
Each wall has a swinging side-casing and 1 upper casing. The FPS-1 filtering station can be installed on the UWT worktable equipped with a grate and a rotary disk-table. All these elements constitute a universal ventilation stand. Filtering paint stations ought to be connected with the explosion-proof fans of volume flow minimum 3000 m³/h for each segment.



Filtering paint stations and worktalbe

Type	Part No.	Recommended volume flow [m ³ /h]	Flow resistance [Pa]	Weight [kg]
FPS-1	814S02	3000	350	97
FPS-2	814S04	6000	350	183
UWT	814S00	—	—	160

Exchangeable filters

Sort of filter	Type	Class	Part No.	Quantity
 Filtering cassette (inclusive with spunbond)	KF	F8	838K01	3 pc. do FPS-1 6 pc. do FPS-2
 Exchangeable filtering spunbond (for the above mentioned cassette)	WF	F8	838W20	3 pc. do FPS-1 6 pc. do FPS-2
 Perforated labyrinthine filter	PL	G1	483F15	1 pc. do FPS-1 2 pc. do FPS-2

Fans

The filtering paint station should be connected with the fan (which serves for one filtering paint station) or to the main collecting ventilation system operated by one central fan. The fans should be in explosion-proof execution. Assuming that the air is removed outwards (no recirculation), it is specially recommended to use a roof fan.

Fan selection ought to be carried out on the basis of catalogue "FANS"

Caution: Ordering the devices and accessories specify their name and Part.No.