

# AIR FILTRATION SYSTEMS FOR FIXED INSTALLATIONS "FILTAIR-S" SERIES (SPECIAL DUST)

Industrial premises are required to have high-quality air cleaning systems according to the latest requirements of environmental protection, as industrial dust must not be discharged directly into the atmosphere. These systems are also necessary for the safety of employees, as they contribute to establishing appropriate production conditions, which are required to carry out technological processes.

**FILTAIR-S series air filtration systems for fixed installations** consist of a filter unit, a centrifugal fan, and mounting parts that are necessary for connecting all elements of the system to the control panel. The basic operational principle of the system is that the filter unit of the system cleans the dust-contaminated air, using highly effective filter elements, as a result of which only cleaned air is discharged into the atmosphere.

**Output:** from 5000 m<sup>3</sup>/hr to 50 000 m<sup>3</sup>/hr

**Key features:**

- Painted reliable hard steel structure
- The system can be installed and operate both indoors and outdoors
- Dust emission: 2-5 mg/m<sup>3</sup> of exhaust air
- The size of filtered particles: from 0,3 to 2 microns
- Filters cleaning: automatic - pulse air jet
- Optional feature: automatic dust discharge from the dust collector
- Using the latest technology for calculating the cleaning process of filters
- High durability filters
- Built-in filters contamination control system
- Easy maintenance and replacing of filters – access from the upper side of the unit
- A wide range of filters used



\*Filtair-15000-312-S

Based on the degree of contamination of the surfaces being processed as well as depending on the materials used we offer cleaning systems for "normal", "high" and "special" dust. The table below shows the range of air cleaning system models for "special" dust:

Basic set	FILTAIR-5000-156-S	FILTAIR-10000-234-S	FILTAIR-15000-312-S	FILTAIR-20000-2X234-S	FILTAIR-25000-2X234-S	FILTAIR-30000-2X312-S	FILTAIR-35000-2X312-S	FILTAIR-40000-2X390-S	FILTAIR-45000-2X390-S	FILTAIR-50000-2X390-S
Centrifugal fan	CF-5000-D	CF-10000-D	CF-15000-D	CF-20000-D	CF-25000-D	CF-30000-D	CF-35000-D	CF-40000-D	CF-45000-D	CF-50000-D
Filter area, m <sup>2</sup>	156	234	312	2X234	2X234	2X312	2X312	2X390	2X390	2X390
Length (L)	2990	4360	4500	5260	6060	7060	7750	8550	9750	10250
Width (W)	1670	1670	2170	2170	2170	2170	2200	2200	2200	2200
Height (H)	3690	3690	3690	3690	3690	3690	3690	3690	3690	3690
Input channel (D)	315	400	500	630	630	630	600x800	600x800	600x900	600x900
Weight (kg)	760	1290	1680	1920	2510	3080	3300	3680	4240	4450
Type of filter	Cartridge									
Filter material	NA-909-0, Polyester									
Filter cleaning	Automatically, with compressed air jet									
Filter inspection	From the side of clean air supply									
Filter replacing	From the side of clean air supply									
Dust emission	2-5 mg/m <sup>3</sup> in the air at the outlet									
Dust discharge	Manually, by using the „butterfly“ valve, into a dust bag (not included in standard delivery)									

