

# AIR FILTRATION SYSTEMS FOR FIXED INSTALLATIONS "FILTAIR-H" SERIES (HIGH 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-H 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 2000 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-2000-37-H

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 "high" dust:

| Basic set                   | FILTAIR-2000-37-H   | FILTAIR-5000-104-H | FILTAIR-7500-104-H | FILTAIR-10000-156-H | FILTAIR-15000-234-H | FILTAIR-20000-312-H | FILTAIR-25000-390-H | FILTAIR-30000-507-H | FILTAIR-35000-585-H | FILTAIR-40000-663-H | FILTAIR-45000-741-H | FILTAIR-50000-858-H |
|-----------------------------|---|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Centrifugal fan             | CF-20000-D  | CF-5000-D          | CF-7500-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> | 37  | 104                | 104                | 156                 | 234                 | 312                 | 390                 | 507                 | 585                 | 663                 | 741                 | 858                 |
| Length (L)                  | 2540  | 2990               | 3760               | 4360                | 4500                | 5260                | 6060                | 7060                | 7750                | 8550                | 9750                | 10250               |
| Width (W)                   | 850   | 1670               | 1670               | 1670                | 2170                | 2170                | 2170                | 2170                | 2200                | 2200                | 2200                | 2200                |
| Height (H)                  | 2707  | 3690               | 3690               | 3690                | 3690                | 3690                | 3690                | 3690                | 3690                | 3690                | 3690                | 3690                |
| Input channel (D)           | 160   | 315                | 400                | 400                 | 500                 | 630                 | 630                 | 630                 | 600x800             | 600x800             | 600x900             | 600x900             |
| Weight (kg)                 | 340   | 760                | 1020               | 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) |                    |                    |                     |                     |                     |                     |                     |                     |                     |                     |                     |

