

The air cleaning module “Panteks”

Purpose:

The air cleaning module “Panteks” is intended for cleaning and disinfecting of air flowing in production and private premises, plenum systems of ventilation at subway stations, mines, places of chemical, coal and iron industry.

The module is also used for air cleaning flowing in air-blowers of treatment plants of water services companies and large industrial enterprises.

The modules can be installed in clean rooms of the medical establishments, the enterprises of pharmaceutical, electronic, food and other industries.

Modification:

The air cleaning module “Panteks” is produced in two modifications: frame and collector type.

Sizes and production:

Sizes of **the air cleaning modules “Panteks”** and their production is set by quantity of used filter cartridges and the size which is necessary for air cleaning.

The filter cartridge “Panteks”

The cartridges “Panteks” represent the replacement filter elements which filter partition is created on the punched framework, layered framed winding of polypropylene multi filament threads are viscose threads treating by an antimicrobial material. The layered framed winding allows creating a filter partition of the set porosity and permeability and needed level of air cleaning according to all-Union State Standard.

Advantages of the filter cartridges “Panteks” in front of flat and bag filters:

- ✓ The area of the filter partition in the module is 5 times larger than flat filters;
- ✓ Aren't subject to the phenomenon “sample of the filter partition” what increases filter service life;
- ✓ Not a lot of time is needed to replace cartridges;
- ✓ Regeneration of “Panteks” cartridge is possible in any ways (by rinsing with hot water, by air blowing, by washing with ethane diacid in the 10% solution at acute pollution);
- ✓ Socket joint of cartridges provides ease of their unbuttoning, integration and placement in the module;
- ✓ Purification efficiency - 95%;
- ✓ The filter cartridges “Panteks” are created of materials which don't allocate toxic substances, contact with a mucous membrane is allowed.



Technical features:

The ambient operating temperature:	-40°C до +100°C;
The outside diameter:	110-160 мм;
The length of the element:	500-1500 мм;
The connection of elements:	Socket joint.