

jonex -air cleaners



Cleaner air with ionizing

Ionization system now adjusted for construction industry's demanding dust removal.

Ionizing the air is a very effective method to clear the air from impurities like dust, smoke, smell and mold. It is widely used in hospitals, restaurants and offices. Jonex has developed a convenient movable unit that even works in the demanding circumstances of construction industry.

Jonex new models works with an automatic logic that offers new features to ease the use and daily care. Four different levels and three models of Jonex-air cleaners assists in finding the right effect for different jobsites.

Clever digital control panel

The control panel on the side of the machine tells among other things, when it is time to clean the filters, ionization pipes and change the particulate filters. The digital panel is easy to use and contains three different timer functions, saves the information about the use and warns of errors.

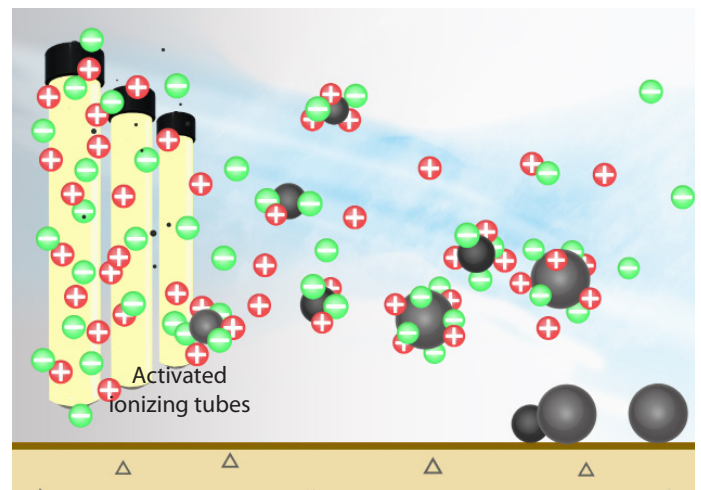
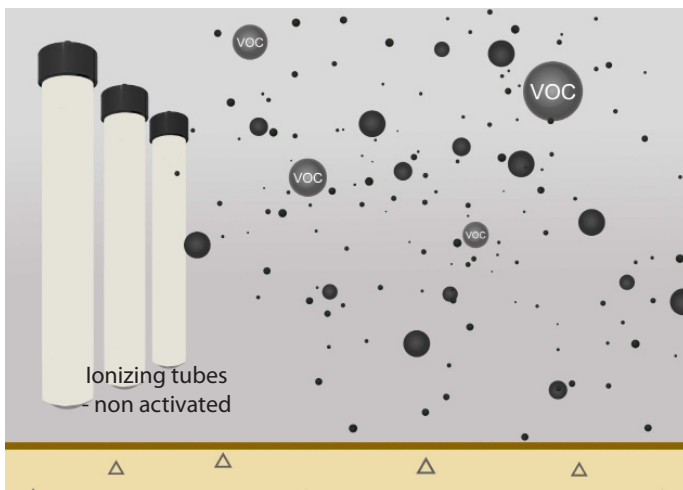


What is air ionization?

No magic tricks

Ionization is a simple technique, where the air is filled with positive and negative oxygen molecules. Even the smallest particles floating in the air are electrified and combined until they are so big and heavy that they sag to the floor. From the floor the dust particles can be vacuum-cleaned or swept away. The active ionization pipes in the Jonex air cleaner produce these positive and negative oxygen molecules.

With ordinary air cleaners the dust particles and impurities are "captured" from the air and led through filters, which collect the impurity. Ionization cleans the air and impurities fall on the floor. As an extra benefit the working air space becomes rich in oxygen and the air is equivalent to fresh outdoors. The average level of ions in normal indoors is 50 molecules/ml and outdoors it is 500-1000 molecules/ml.



The air is filled with big and small dust particles during demolition. With time, the bigger ones fall on the floor and whirl easily. The small ones – harmful micro particles – float in the air for a long time.

When the ionization is activated, the air is filled with positive and negative oxygen molecules. This makes dust particles electric, joins them together and in the end forces them to fall on the floor and stay there.



The dust situation when the room is removed from construction waste.

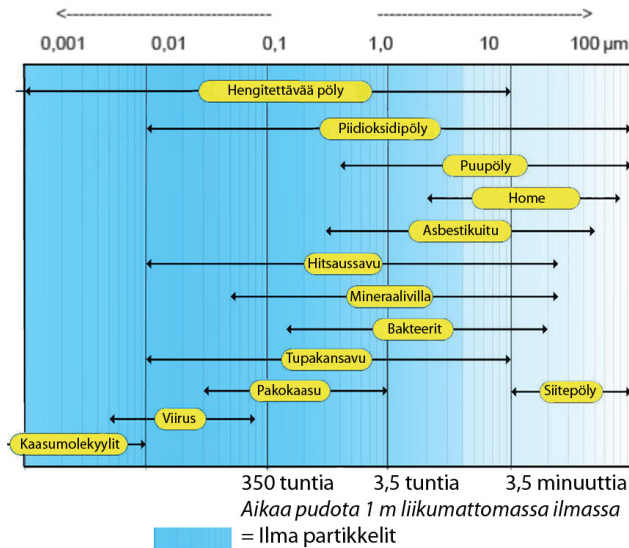


Air after 15 minutes of ionization.

Research-based information

Unbelievably effective method to clean the air

Jonex also cleans the air from almost invisible, harmful microdust. When using ordinary cleaners, microparticles ($\varnothing < 10 \mu\text{m}$) seem to fill the air.



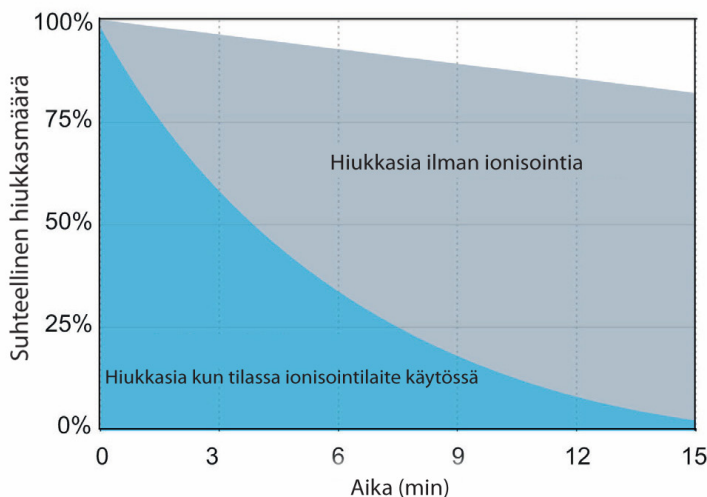
Example:

– $\varnothing 1 \mu\text{m}$ particle falls down 1 m in 3,5 hours (e.g. metal dust)

– $\varnothing 0,1 \mu\text{m}$ particles falls down 1 m in 350 hours (e.g. cigarette smoke)

Micro particles are harmful to your health. They drift via breathing into the lungs causing breathing difficulties and other illnesses.

Save time - more productivity



Cleaning the air with Jonex cleaning method is fast and effective and has an immediate impact on working: less interruptions and better air in the working space speeds up the work flow.

Jonex air cleaners are multi-functional and clean the air from i.a. dust, smell, smoke, mold and exhaust gas. By adjusting the level of ions and air flow the air can be cleaned with max. capacity or let it clean with a lower capacity for a longer while for a pleasant working environment. There are five different ionizing levels and the fan has a stepless adjustment system.

Easy to clean

The parts of Jonex air cleaner are easy to clean. The ionizing tubes need to stay clean in order to function optimally. The tubes stay clean with a little help of two rough filters and one particle filter. The filters are durable since only a little amount of dust drifts through the filter. The external filter (class G4) is shaken every second day, the particle filter (class F9) is checked once a week and cleansed if needed. The ionizing tubes are checked if needed or every other month. A throughout cleaning is easy to do thanks to the easily removable parts. The lifetime of the ionizing tubes is appr. 2000-3000 h, depending on the use of the machine.

Easy to use, robust design and versatile

Jonex 1000+

Jonex 2000+

Jonex 4000+



Use and technical specifications

	Jonex 1000+	Jonex 2000+	Jonex 4000+
Use:	Renovation and expansion of bathrooms. Grinding and painting apartments.	Demolition, removal and drilling. Mould and fire damage.	Larger demolitions and renovations. Large apartments and strong smells.
Capacity:	60 - 400 m ³	100 - 1000 m ³	200 - 1500 m ³
Consumption:	180 W	195 W	270 W
Dimensions:	32 x 60 x 46 cm	54 x 81 x 62 cm	54 x 81 x 62 cm
Weight:	17 kg	54 kg	56 kg
Air draught:	85 - 225 m ³ /h	500 - 1100 m ³ /h	700 - 1650 m ³ /h

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