



Genano® 1000 Series

For indoor air purification in welding halls



Superior
purification
efficiency

Welding, plasma cutting and metal processing release large numbers of fine particles in the air. They are a significant health risk to employees.

● Fine particles can also compromise your process quality and equipment lifetime. Electronics and displays are typical components that are easily damaged and their repair efforts may halt production.

Genano® 1000 series has been designed to meet the hard requirements of manufacturing and production environments.

● Genano technology is not based on fiber filters that tend to get clogged up, but an advanced method which removes even the smallest nanosized particles from air, using a powerful voltage field.

Protect people and process quality

” The health effects of Genano technology are based on the removal of nanosized particles which cannot be achieved as efficiently by other technologies.

Protect People and Process Quality

Exposure to welding fumes can lead to acute and permanent respiratory, neurological or cognitive effects.

- Ultrapure air has a huge impact on the working environment and its healthiness. This has a positive effect on productivity, motivation and commitment. Genano also protects sensitive equipment, keeping production quality high.

Superior Purification Efficiency

The unique filterless Genano Technology® is capable of removing even the smallest particles, down to nanosize. The purification efficiency has been proven in several tests by independent research centers, for example VTT (Finland, 2014), and RTI International (USA, 2012, ASHRAE 52.2 test).

Cost Savings

Air purified with Genano® 1000 can be recycled back to the premises. During the heating period, this adds up to significant savings in the heating costs, as the air does not need to be exhausted after extraction.

- Lifetime costs for Genano units are low. Regular and expensive filter changes are not needed. Units require almost no maintenance. They have a built-in automatic washing system that rinses the waste away with water and detergent periodically. This also means that purification capacity always remains at a maximum level.
- There are no moving parts inside the units. This leads to a prolonged lifetime and a pleasantly low operation noise level.

Technical Information

| Technical Information | Genano® 1000 |
|-------------------------|---------------------------------------|
| Clean air delivery rate | 3600, 7200 or 12600 m ³ /h |
| Purification efficiency | Starting from nanosized particles |
| Material | Al-Zn |
| Electrical connection | 200–240 V, 50/60 Hz |
| Power consumption | 200–400 W |
| Operating temperature | +5...+60 °C |
| Manufacturing country | Finland |

