



VISIONAIR BLUE LINE MICROBEFREE

The air in a dental practice is polluted by: mercury, pieces of round-swirling metal, porcelain, ceramic particles and chemical disinfectants. But also think of bacteria and viruses coming from the mouth of patients. When working with amalgam or when amalgam is removed, high concentrations of mercury vapors are released into the air. The VisionAir MicrobeFree purifies air contaminated with mercury, small pieces of metal, porcelain, ceramic particles, chemical sterilizers and bacteria and viruses from the patient's mouth as well in - for example - dental practices or laboratories. The VisionAir can be mounted in or on the ceiling. In addition, the device can be mounted on the wall and on a movable stand (VisionDisplay).



TOP 3 POLLUTERS

DUST PARTICLES

A Euromate air purifier with Dental filter has a filter efficiency of 99.95% for particles between 0.12 µm and 10 µm, regardless the fan speed. This has been proven by research conducted by ECN. According to the ASHREA 52.2 standard used in the United States, the Euromate air purifier with Dental filter is classified MERV 16.

Efficiency at different fan speeds

Particles		low	medium	high	turbo
From	till	eff %	eff %	eff %	eff %
0,12 µm	10 µm	99,95	99,94	99,95	99,96

MICRO ORGANISMS

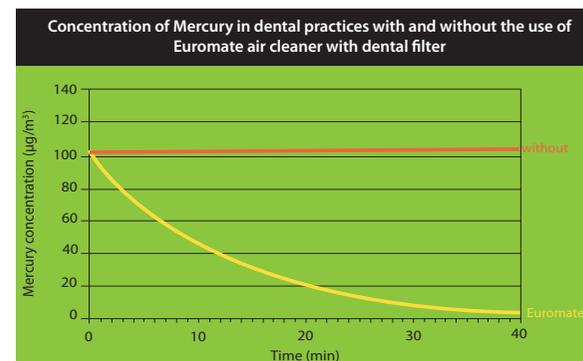
A Euromate air purifier can make an important contribution to the reduction of bacteria and other micro-organisms in an area. Research shows that a Euromate air purifier with Dental filter in the lowest fan setting has an efficiency of 99.4%.

Measurement results with air purifier in the lowest position

Measure	KVE/m ³ air for filter	KVE/m ³ air for filter	Efficiency (%)
1	2049	17	99,2
2	4947	35	99,3
3	3675	21	99,4

MERCURY VAPOR

Harmful mercury vapor is released when drilling out amalgam fillings. Research agency MTI Milieutechnologie Nijmegen has investigated the influence of a Euromate air purifier with Dental filter on the concentration of mercury vapor in a dentist room. The red line in the graph indicates that the concentration of mercury vapor remains almost constant during drilling out without air purification measures. With Euromate air cleaning it reduces to a minimum.

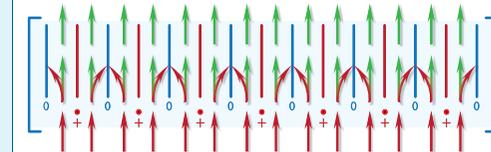


FILTER PRINCIPLE

The VisionAir Blue Line MicrobeFree contains a unique system that cleans the indoor air in three stages:

Phase 1: The **Pre-filter** Blue Line catches the larger particles of dust and other polluting things such as pieces of metal and porcelain.

Phase 2: the **EM Blue Line filter** removes air pollution to the smallest fractions such as (fine) dust. Particles are electrically charged and attracted to the filter plates.



Phase 3: the **AC2 Blue Line post-filter** eliminates the mercury vapor concentration. In addition, it also reduces all kinds of medicinal and body odors. Finally, the Silver Ion filter and UV-C light have been added to inactivate viruses and bacteria.

