

# Make the right HEPA choice

## Look for EN 1822

### HEPA - WHAT'S IN A NAME?

If you are looking for a new air cleaning device you are likely to have seen products described as True HEPA, Real HEPA, HEPA 99.97% or similar. But it's important to know that the word HEPA alone is no guarantee of the quality or efficiency of the filter installed in the device.

### EN 1822 - THE STANDARD THAT CAN BE RELIED ON FOR CAPTURING VIRUSES

HEPA (High Efficiency Particulate Air) is synonymous with the high-quality filters used in cleanrooms and operating theaters. But **the only way to ensure that the HEPA device you buy is actually of this quality is to look for EN 1822 certification.**

This standard ensures that filter manufacturers individually test their filters to strict guidelines. That's why HEPA filters tested to and labelled EN 1822 can be relied on to capture viruses such as SARS-CoV-2.

### Filtration efficiency

EN 1822 certifies two HEPA efficiencies: H13, which removes a minimum of 99.95% of particles or aerosols – no matter if they are smaller or larger – and H14, which captures at least 99.995%. This means that an H14 filter offers ten times lower penetration than an H13.

	Efficiency	Penetration
H13	99.95%	0.05%
H14	99.995%	0.005%

### 100% individually-tested

Each EN 1822-certified HEPA filter is individually tested for leaks before being shipped. Only filters that successfully pass this leak test can carry an EN 1822 label.



▲ EN 1822 test facilities are essential to ensure the quality and performance of HEPA filters

### PERFORMANCE YOU CAN DEPEND UPON

All MANN+HUMMEL OurAir devices are equipped with H14 filters according to EN 1822 and therefore reliably reduce the viral contamination in the air.

Many of our HEPA filters use high-end ePTFE membranes to provide high air flow at low energy consumptions.

### IN SUMMARY

EN 1822 H13 and H14 HEPA filters:

- are trusted for use in cleanroom and operating theaters
- are 100% individually tested to ensure safety in operation
- reliably capture viruses, such as SARS-CoV-2