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Medclair AB (publ)

## Medclair secures dual patents for new technology in nitrous oxide management

**Medclair AB has secured two new patents that enable the handling and destruction of nitrous oxide even in the most demanding hospital environments. By eliminating previous technical limitations, Medclair can now act as a comprehensive partner for hospitals seeking to eliminate their climate footprint from anesthetic gases, regardless of where in the hospital they are used.**

Previously, mixed anesthetic gases in operating environments have posed a significant challenge, as they risked interfering with or damaging Medclair's systems. With the new patents, a unique solution is introduced that functions as a smart filter—the system can now capture multiple gases simultaneously. By subsequently releasing the gases in a controlled manner at different temperatures, they can be safely separated. This allows the system to maintain full performance without damage, meaning Medclair can now offer effective nitrous oxide management throughout the entire hospital—from maternity wards to operating theatres.

The new technology also enables Medclair to capture other anesthetic gases, creating entirely new strategic opportunities. There has been strong interest over time from players working with specific anesthetic gases who wish to incorporate Medclair's solutions into their offerings. With the new patents in place, Medclair can now move toward active collaboration to meet this demand.

"With our expertise in nitrous oxide management as a foundation, we can now take the next step and manage the hospital's overall gas flow. We have long held discussions with partners who want to leverage our infrastructure, and with these new patents, we can now realize these collaborations," says Jonas Lundh, CEO of Medclair.

**Brief about the patents:** The granted patents relate to Medclair's innovative zeolite technology for the selective separation of medical gases. The patents are titled:

**A METHOD FOR PRODUCING A REVERSIBLE ADSORBENT**

**AN APPARATUS AND A METHOD FOR COLLECTING ANESTHETIC GASES IN AN EXHALATION AIR FROM A PATIENT**

### Contacts

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## **About Us**

Medclair is a Swedish cleantech company and a leader in safe and sustainable nitrous oxide management. With operations in twenty countries, Medclair provides innovative solutions that significantly reduce the climate impact of nitrous oxide while improving workplace safety.

The company is listed on NGM Nordic SME. For more information, please visit [www.medclair.com](http://www.medclair.com).