

Miniature Fans and Blowers

Powering Neonatal Ventilation



Blower for High Frequency Oscillatory Ventilation HFOV

The Radial Blower U65HN-024KS-6 was specially developed for applications where the highest demands are required, such as ventilation in intensive care units or in neonatology. The main features of this high-performance blower are:

- Static pressure: 9500 Pa
- Flow rate, free blowing: 435 l/min
- 100 % oxygen resistant
- Acceleration: 400 RPM/ms
- Oscillation controlled by blower
- High dynamic ventilation: 10-12 Hz

Micronel's U65 FORM FIT LINE has become the hallmark for state-of-the-art medical ventilator designs, ranging from sleep apnea up to intensive care units (ICU). The U65HN-024KS-6 is our flagship product of the FORM FIT LINE. This blower was specifically designed for intensive care ventilation that meets the highest standards. The technology is a milestone that will make a significant difference in intensive care units and especially in neonatology, where oscillatory ventilation at 10-12 Hz requires extremely high dynamics.



U65HN

Top of the range,
highest speed,
most dynamic behavior!

Static pressure	9500 Pa
Freeflow	435 l/min
Dynamic response	400 RPM/ms
Hall/NTC out	Yes/Yes
O₂ resistance	Yes
Typical applications	ICU, neonatal, transport



Intensive & Successful Testing in Our Lab

Over 10,000 hours of continuous operation at 10-12 Hz, our tested blowers have proven their durability, withstanding extreme conditions and still performing flawlessly.

The revolution in medical ventilation began in 2004 with our U51 series, developed in close collaboration with our valued customers and the pioneering spirit of Peter Meier, owner of Micronel. But that was just the beginning of our exciting journey. We have once again redefined the future of medical technology and are proud to be able to control oscillatory ventilation with a Micronel blower.

We are here to support your individual high-frequency ventilation project, providing you with our expertise and premium products to find the best possible solution for your requirements.