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Collaborative Effort Delivers Life-Saving Breathing Aid

A breathing aid that can help keep Covid-19 patients

out of intensive care, has been developed in just 5 days by mechanical engineers at University College London and clinicians at University College London Hospital working in conjunction with Mercedes-AMG High Performance Powertrains.



The breathing aid, known

as a Continuous Positive Airway Pressure (CPAP), has been used extensively in hospitals in China and Italy to help Covid-19 patients with serious lung infections to breathe more easily, when oxygen alone is insufficient. An important component in the device is a machined Vyon® F Silencer developed and delivered in just five days by UK life sciences manufacturer - Porvair Sciences Ltd.



Kevin Doolan, General Manager of Porvair Sciences

said "We are very proud to be part of this collaborative effort to deliver large numbers of CPAP devices. By focusing our manufacturing resource, we were able, within days, to deliver the Vyon high-density polyethylene component that functions as a silencer for the CPAP device. The tortuous path of our Vyon® porous plastic materials ensure the air flow has to escape to the atmosphere by expanding through the porous structure, thus reducing the noise level. As a result, both care staff and patients operating in the healthcare environment where CPAP devices are used will be subject to considerably less noise."

For more information

please contact Porvair Sciences Ltd on +44-1978-661144 or enquiries@porvairsciences.com.

Porvair Sciences Ltd.

Porvair Sciences are global leaders and original manufacturers and developers of cutting-edge porous plastics technologies. With patents dating back to the 1950's, our porous plastics continue to evolve, adapt and respond to changes in technologies, markets and customer needs. Empowered by 50 years of industrial experience, we strive to continue delivering world class, high performing products while providing superior customer service, every step of the way. Our diverse team of scientists, engineers and creative thinkers are committed to providing expert solutions that brings value and integrity to our customers.

For further information please visit <https://www.vyonporousplastics.com/medical-and-healthcare/>

Image Captions: A: CPAP device helps Covid-19 patients with serious lung infections breathe more easily ; B: The Continuous Positive Airway Pressure (CPAP) device

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