

# OXY MASK

'Oxy mask' is a multifunctional mask for obtaining oxygen and pure air. In addition to its core function, the system offers many additional advantages for the user. The system is life-saving for patients whose extra oxygen supply is essential but can also be used just as well by someone who likes pure, filtered air, or an extra dose of oxygen.

Oxy mask should provide a solution for oxygen patients who want to get rid of a stigmatizing product such as the mouth mask. The purpose of our product is to nullify the chilly hospital appearance that is totally out of line with the personality or lifestyle of the user. During our exploration, it has been shown that people who follow oxygen therapy have some very unpleasant experiences with the devices. The oxygen tank is very unpleasant to use, the plastic tubes cut into the skin, the support band is very uncomfortable etc...

That is why we began to develop a new concept that gets rid of the flaws in the product as well as the stigmatizing image that comes with it.

The product consists of a backpack in which different modules can be placed. An electrostatic filter or an oxygen bottle can be chosen according to the needs and requirements of the user. From here, the user is provided with oxygen by the central oxygen tube which further branches into 2 smaller oxygen tubes along the sides of the mask. The mouth mask is supported by a soft and elastic fabric band that not only keeps the mask in the correct position but also prevents the plastic tubes from cutting into the user's skin.

In the front, you will find two valves that ensure there is sufficient discharge from the exhaled air and no condensed droplets will form. For the section around the mouth, a translucent shell has been chosen, this to display the mimicry of the user as much as possible and to avoid a trapped feeling.

Furthermore, the mouth mask is equipped with some features that ensure the users will experience the otherwise simple mouth mask differently. Inside, a microphone is built in which will strengthen the user's voice by using the speakers that are on the sides of the mouth mask, it can also be used to make phone calls. The 'Oxymask' can be connected to the app for further control of the device and monitoring the collected data, such as oxygen content, air pollution indication etc..

clickable glasses

Oxygen supply

Speaker

Micro

Valves

Central connection

Interchangeable modules

Oxygen tank

electrostatic filter



Oxy Mask is controlled through an app, which offers numerous features to make the lives of users more enjoyable. The app adapts according to the module in the backpack, so you get other available features in the 'Enhancement Panel'.

- Oxygen content in appliance
- Luchtvervuilingsindicatie
- Humidity
- Number of hours of sleep (for night use)
- Shaded tijd tot refill van de tank
- Number of steps taken
- Detailed statistics
- Voice control option
- Tank status updates option
- Siri compatibiliteit
- Voice amplifier option
- Voice shifter option