

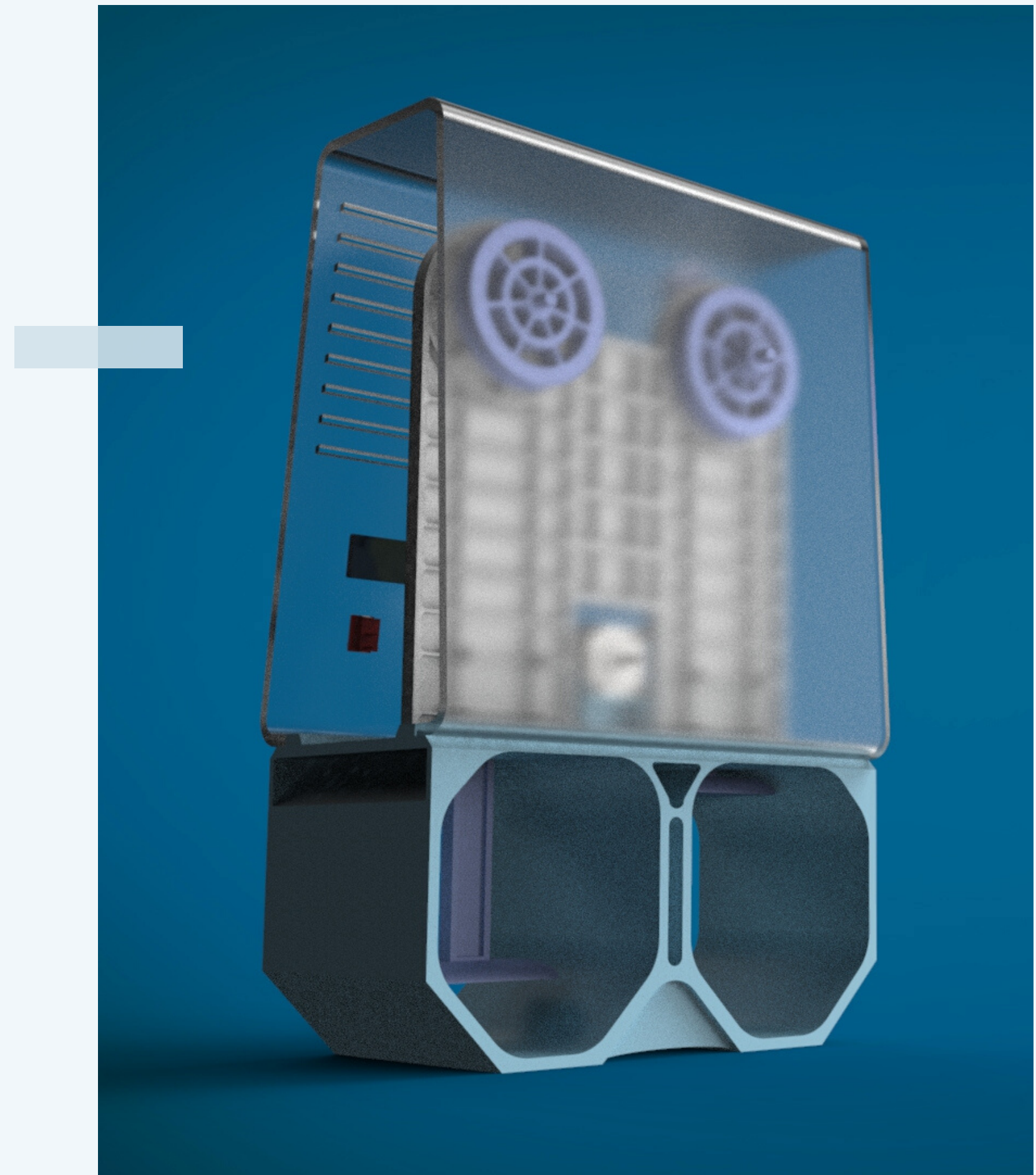
CO-VIDA

V E N T I L A T O R

Design Team: Rosales Gálvez Arturo
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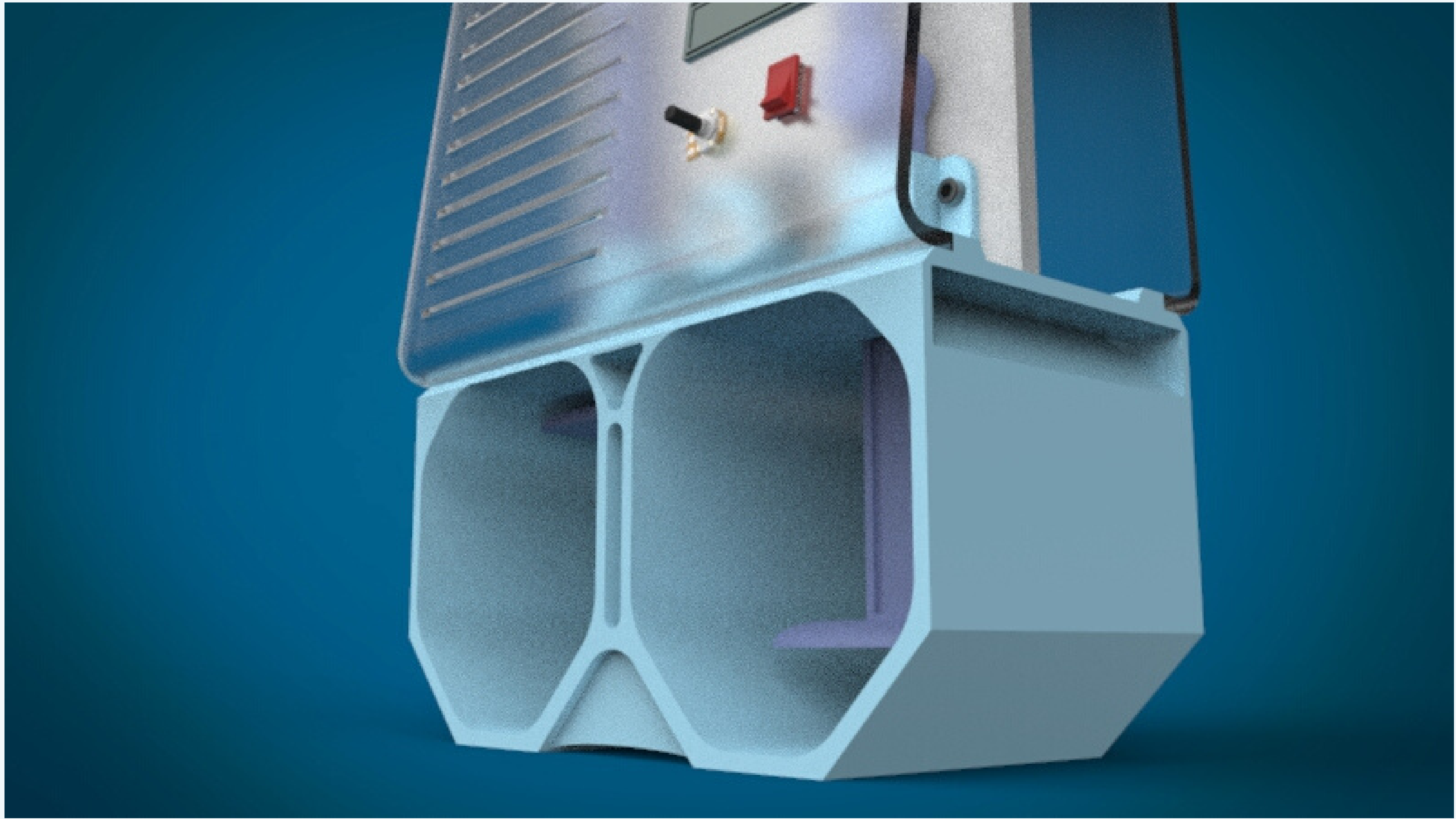
A ventilator can be the difference between life and death for people with acute symptoms of COVID-19, that's the reason why we decided to design a low-cost mechanical ventilator that could be manufactured in a short time.

The objective is that every time a ventilator is delivered, two people can benefit from it at the same time, this reduces the number of ventilators that are needed and a reduction in cost and energy.

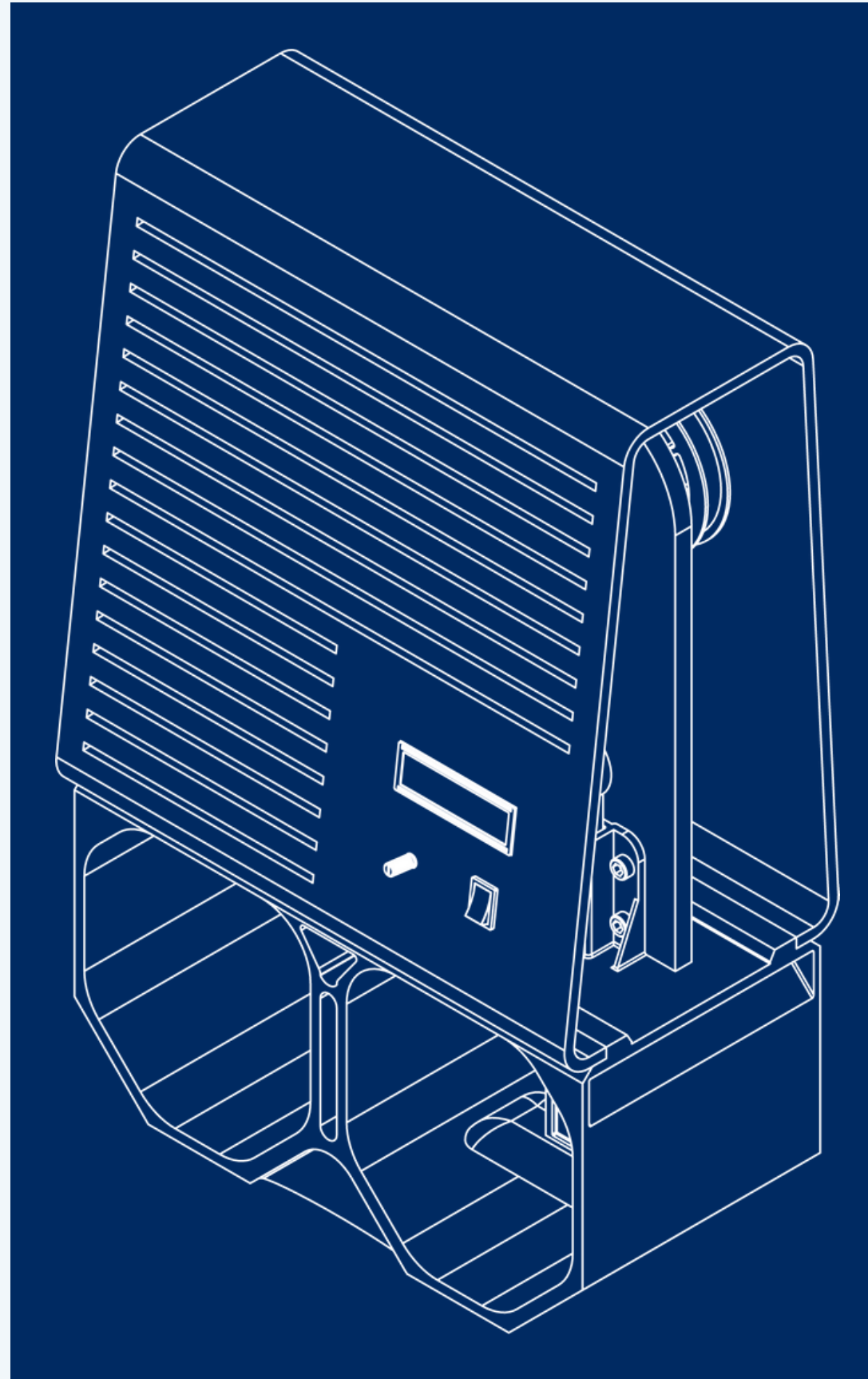


DETAILS

- It has an acrylic case to protect it, this can be easily removed to manipulate or repair the mechanism inside and has grooves that help to reduce heat at the principal engine.
- It has two 3D printed compartments at the bottom where you place the manual resuscitation bags.
- The whole mechanism is powered by a 12V stepper motor.



Predicted Production Cost



CASE

\$20 - TWENTY DOLLARS

MECHANISM

\$50 - FIFTY DOLLARS

ELECTRONIC COMPONENTS

\$15 - FIFTEEN DOLLARS

TOTAL

\$85

EIGHTY FIVE DOLLARS



Our design meets the technical standards approved by researchers at the "Universidad Autónoma de Querétaro"

Supervised and approved by MID. Carbajal Raya Andrés

<https://www.behance.net/gallery/97195343/CO-VIDA-ventilator>

<https://danielahazel998.wixsite.com/co-vidaventilator>

**You can find our
project online**