**Other Research Findings:**

Design and prototyping of a low-cost portable mechanical ventilator for use in mass casualty cases and resource-poor environments.

[**https://asmedigitalcollection.asme.org/medicaldevices/article/doi/10.1115/1.3442790/434122/Design-and-Prototyping-of-a-LowCost-Portable**](https://asmedigitalcollection.asme.org/medicaldevices/article/doi/10.1115/1.3442790/434122/Design-and-Prototyping-of-a-LowCost-Portable)

Rapidly Manufactured Ventilator System

[**https://1drv.ms/b/s!Amdgapa\_UCFRhfNMJ9CrZr--kc5LFw**](https://1drv.ms/b/s!Amdgapa_UCFRhfNMJ9CrZr--kc5LFw)

Specification of the minimally (and some preferred options) clinically acceptable ventilator:

[**https://1drv.ms/b/s!Amdgapa\_UCFRhfNMJ9CrZr--kc5LFw**](https://1drv.ms/b/s!Amdgapa_UCFRhfNMJ9CrZr--kc5LFw)

**Open Source Ventilator – bag based ventilator designs**

<https://hackaday.com/2020/04/09/what-does-a-dependable-open-source-ventilator-look-like/>

**How do ventilators work? Design Challenges**

<https://hackaday.com/2020/03/25/ventilators-101-what-they-do-and-how-they-work/>

Specification on pandemic ventilators:

<https://panvent.blogspot.com/2020/03/specifications-for-pandemic-ventilator.html.>

Design for positive pressure

<https://panvent.blogspot.com/2020/03/design-for-positive-pressure-pandemic.html>

**Mechanical Ventilator Milano (MVM): A Novel Mechanical Ventilator Designed for Mass Scale Production in Response to the COVID-19 Pandemics**

<https://arxiv.org/abs/2003.10405>

Canada rapidly manufactured ventilator design challenge & criteria

Design a simple, low-cost, easy-to-manufacture and easy-to-maintain ventilator which could be deployed anywhere needed to save lives.

<https://www.agorize.com/en/challenges/code-life-challenge/pages/guidelines?lang=en>

Ventilator Design :

<https://drive.google.com/open?id=1Nnyck701CBKko1SODGwJmgD0fL-EE1gA>

# **COVID-19 Ventilator Projects and Resources and FAQ**

[**https://github.com/PubInv/covid19-vent-list#almost-buildable-projects**](https://github.com/PubInv/covid19-vent-list#almost-buildable-projects)