

ABOUT:

The enclosed files belong to the eVent IST ventilator project, inspired by the MIT E-Vent project (see <https://e-vent.mit.edu/>). We developed the ventilator system using technical documentation of MIT, infrastructure of IST AUSTRIA and consulting of three medical practitioners. We developed and built with great care and focus on stability and safety, still the device is not certified and not built according to all applicable regulations. Please note that this is work in progress and has never been tested on a human. The goal of the eVent IST ventilator project is to provide a simple and fast to replicate system for emergency response, and was created in reaction to the COVID-19 crisis early 2020. Furthermore, its intention is not to replace common ventilator systems, but to bridge a situation where not enough conventional machines are available.

ATTRIBUTION:

Please notice that the eVent IST ventilator was developed using the information shared by the Massachusetts Institute of Technology (MIT). You can find information on the original MIT E-Vent project under <https://e-vent.mit.edu/>. All Terms of Use, found here: <https://e-vent.mit.edu/terms-and-conditions/>, concerning the original MIT content do apply.

3rd party libraries used: Encoder by Paul Stoffregen (<https://github.com/PaulStoffregen/Encoder>), LiquidCrystal (<https://github.com/arduino-libraries/LiquidCrystal>).

FOLDERS:

Folder name	Description	Origin
Electronics	contains files for the electronic parts of the ventilator	mostly MIT E-Vent
License	contains relevant license files	https://opensource.org
Mechanical	contains files for the mechanical parts of the ventilator	mostly MIT E-Vent
Pictures	contains pictures of the machine	IST AUSTRIA
Software	contains files for the software of the ventilator	IST AUSTRIA

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3rd party libraries included: Encoder: (MIT License), LiquidCrystal: LGPL License v3 (<https://opensource.org/licenses/LGPL-3.0>).

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