

DISCLAIMER

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Licensed Material means all information pertaining to the last resort ventilator also known as the AIRone

Intended use

1. The AIRone is a last resort device. It is not designed to replace the currently available, conventional ventilators. The AIRone is a pressure-controlled emergency mechanical ventilation system created for the treatment of COVID-19 patients, who need respiratory support, for who no conventional ventilation machine is available.
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OSF File Structure - OperationAIR

- README (Disclaimer + File Structure)

- **General**
 - Instructions for Use
 - Service Structure
 - Team Structure
 - Tips and Pitfalls

- **Hardware**
 - AIRone Assembly
 - Architecture
 - Bill Of Materials
 - Design Specifications
 - Design Verification
 - Technical Manual
 - **Assembly Manuals**
 - 1. Work Instruction Subassembly 1 - MFC-AIR_EN
 - 2. Work Instruction Subassembly 2 - MFC-OXYGEN_EN
 - 3. Work Instruction Subassembly 3 - Mixing chamber_EN
 - 4A. Work Instruction Subassembly 4A - Swagelok_EN
 - 4B. Work Instruction Subassembly 4B - 3D blocks_EN
 - 4C. Work Instruction Subassembly 4C - Insp_Tract_EN
 - 5. Work Instruction Subassembly 5- Expiratory Tract_EN
 - 6. Work Instruction Subassembly 6 - PCB + wiring_EN
 - 6B. Work Instruction Subassembly 6B- SD_software_EN
 - 6C. Work Instruction Subassembly 6C- SD_connection_EN
 - 7. Work Instruction Subassembly 7 - Hood_EN
 - 8. Work Instruction Subassembly 8 - Bottom plate_EN
 - 9. Work Instruction Subassembly 9 - Trolley_EN
 - 10. Work Instruction Subassembly 10 -Connect components _
Components to plate_EN
 - 11. Work Instruction Subassembly 11 - Wiring_EN
 - 12. Work Instruction Subassembly 12 - Bottom plate + trolley_EN
 - 13. Work Instruction Subassembly 13 - hood_to_base_EN
 - 14. Work Instruction Subassembly extra - speaker_EN
 - **Hardware Overviews**
 - Connector-G1-2_22mm
 - Connector-G3_8-22mm
 - Overview_Interior
 - Overview_Interior_3D_Printing
 - Overview_Exterior
 - Selection_Cover_Closed
 - Selection_Cover_EX
 - Selection_Inspiratory_EX
 - Selection_Speaker_Double

- **3D Printing**
 - 3D Printing Overview
 - FDM_Electronics_Housing_1
 - FDM_Electronics_Housing_2
 - FDM_EX_Pressure_Relief_Plate
 - FDM_Flow_Sensor_Cap

- **Renders**
 - Airchain
 - Airchain_EX
 - Cap_Back
 - Cap_Front
 - Expiration
 - Expiration_EX
 - Exterior
 - Exterior_Front_Back
 - Inspiration
 - Inspiration_3Dprint
 - Inspiration_3Dprint_EX
 - Inspiration_EX
 - Inspiration_incl_3Dprint
 - Interior
 - Interior_Exterior
 - Interior_Top
 - Interior_Trolley
 - NIST_Bottom
 - NIST_Bottom_EX
 - NIST_Bottom_Rear
 - O2chain
 - O2chain_EX
 - PCB
 - PCB_EX
 - Pin
 - Pin_EX
 - Plate
 - Plate_AIR
 - Plate_Connections
 - Plate_Expiration
 - Plate_Fan
 - Plate_Inspiration
 - Plate_O2
 - Plate_Patient_Connection
 - Plate_Patient_Connection_EX
 - Plate_Tank
 - Plate_Tank02
 - Plate_Top
 - Speaker
 - Speaker_EX

- Tank
- Tank_EX
- Trolley
- Trolley_EX

- **Software**

- **Human Interface**
 - Github Human Interface
- **Electronics**
 - Github Electronics