



- RV1 – Air pressure reducing valve
- RV2 – Oxygen pressure reducing valve
- DV1 – ON/OFF valve in air branch
- DV2 – ON/OFF valve in oxygen branch
- S11 – First throttle valve in oxygen branch
- C1 – Compliance in oxygen branch
- S12 – Second throttle valve in oxygen branch
- S21 – First throttle valve in air branch
- C2 – Compliance in air branch
- S22 – Second throttle valve in air branch
- IL – Inspiratory limb
- RV3 – Pressure reducing valve for Plim setting
- RV4 – Pressure reducing valve for PEEP setting
- TV – 3/2 valve
- EV – Expiratory valve
- PC – Pressure control
- EB – Expiratory branch

*Supplementary Material 1: Roubik, K. et al.: Novel design of inspiratory flow generation and gas mixing for critical care ventilators suitable for rapid production and mass casualty incidents. Scientific Reports, 2023.*