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Abstract

Ventilator has become an intensively important part of medical healthcare, especially in this widespread pandemic of COVID-19. The most popular one is an Ambu Bag with a bag valve mask (BVM). This ventilator, however, requires a manual resuscitator to operate its function with a limited air volume inside the bag. During the operation, moreover, it causes the noisy sound due to its mechanism as well. The alternative is using Non-Ambu Bag ventilator. This optional ventilator can regulate using user's smartphone to command the operation of ventilator with configurable quantity and rate of volume and flow.