

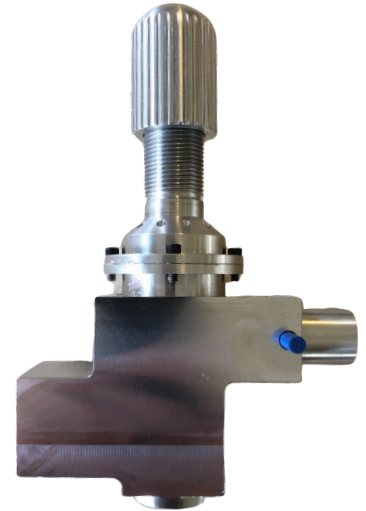
VentMI™: A READY DEVICE TO MULTIPLY VENTILATOR CAPACITY

CRITICAL UNMET NEED

Ventilators are quickly becoming a critical limiting resource during the COVID-19 pandemic, with an excess of one million patients projected to need a ventilator within 30 days when peak lethality reaches many areas of the US. While several efforts are underway to manufacture additional ventilators with large-volume delivery anticipated in 100 days, **further respiratory support and the ability to add emergency capacity is needed immediately**. Simple vent splitters require patients to have identical levels of support (and nearly the same body size and degree of lung disease), cause cross-contamination, and are difficult, time-intensive and dangerous to deploy — and thus they are rarely, if ever, a viable solution.

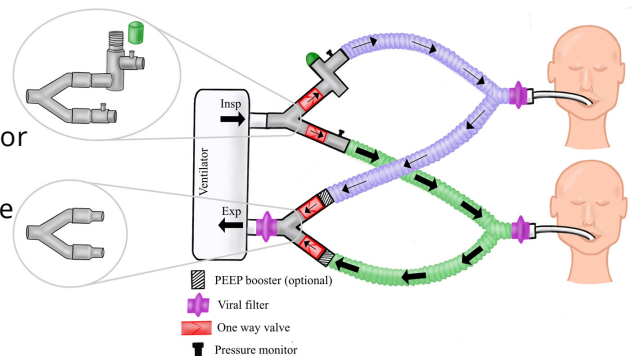
SOLUTION

MakeMedical™ LLC, employing University of Michigan technology, has developed a solution (VentMI™: **Ventilate Multiple Individuals**) to help **provide mechanical ventilation to two or more patients from a single ventilator**. Individualized pressure control and the addition of other components is the **key to effective ventilation**. Combining **custom pressure regulators** and one way valves, this system has been tested in simulated lung and animal environments, and has **Emergency Use Authorization (EUA) from FDA**.



KEY BENEFITS

- Allows tailored pressure to each patient, which is critical to meeting individual needs
- Multiplies immediate access to lifesaving ventilator support
- Works with most modern mechanical ventilators
- Shelf Stable and can be stored for times of crisis
- Quick, simple setup which can be connected to existing ventilator in seconds
- Minimal training of medical staff required and simple to operate
- Configurable to display inspiratory and expiratory pressures on available monitors
- Designed to minimize venting of infectious air
- Affordable solution that can be scaled to rapidly produce and deliver hundreds to thousands of units



APPLICATIONS

- Low-cost emergency backup, especially in community and outlying hospitals
- Affordable emergency ventilator expansion option for areas of the world with limited available ventilators
- Key device to stockpile in the event of future respiratory pandemics

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This ventilator accessory has not been FDA cleared or approved. This ventilator accessory has been authorized by FDA under an EUA. This ventilator accessory is authorized only for the duration of the declaration that circumstances exist justifying the authorization of the emergency use of ventilators, ventilator tubing, connectors, or accessories.