1. Progress Updates
   1. Alarm system
      1. Pressure sensor is tiny
      2. Add a manual failsafe for docs
   2. Pressure testing system
      1. Pressure gauge - how to attach it
      2. We need something with 0-1psi
   3. Spirometer
      1. All parts arrived! (can physically access them tonight)
      2. Will begin building this week

Yale design:

<https://www.youtube.com/watch?time_continue=172&v=Wu5dXLO7acY&feature=emb_logo>

<https://www.gehealthcare.com/-/jssmedia/15110907ca764a3f9ff4c1442434588f.pdf>

Pressure gauge:

<https://www.homedepot.com/p/Winters-Instruments-2-5-in-Steel-Case-Pressure-Gauge-with-Brass-Internals-and-1-4-in-NPT-Bottom-Connection-with-Range-of-0-5-psi-kPa-PLP305/307698311>

<https://www.homedepot.com/p/Winters-Instruments-2-in-Black-Steel-Case-Brass-Internals-Pressure-Gauge-with-1-4-in-NPT-Bottom-Connection-and-Range-of-0-15-psi-kPa-PEM136/307698270>

Questions

\*How do we validate the pressure (after the air leaves the ventilator and passes through the inspiratory valves)? Is this something we should even be concerned with (is it less of a concern with them because they’re using hospital-grade vents)

\*Using volume vs. pressure mode? (Yale’s Vent Multiplexor seems to use volume mode vs. the recommended use of pressure mode)

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