**Supplemental Digital Content 4**

**Additional Results**

Comparison between mechanical energy calculated by Equation 1 (main text) and computed according to the PV curve (flexiVent ®) **(Figure 2)**.



**A**

**B**



**C**

**Supplemental Digital Content - figure 2**. A: Energy calculated at the beginning (INITIAL) and end (FINAL) of experiments according to the power equation (circles and squares, respectively) and the graphical method (triangles and inverted triangles, respectively); B: Pearson correlation between the percent change in mechanical energy from INITIAL to FINAL computed by both methods; C: Bias plot of methods. Red dashed line represents the bias (mean difference of methods), and the black dashed lines represent the precision (±2 SD of the difference between methods).