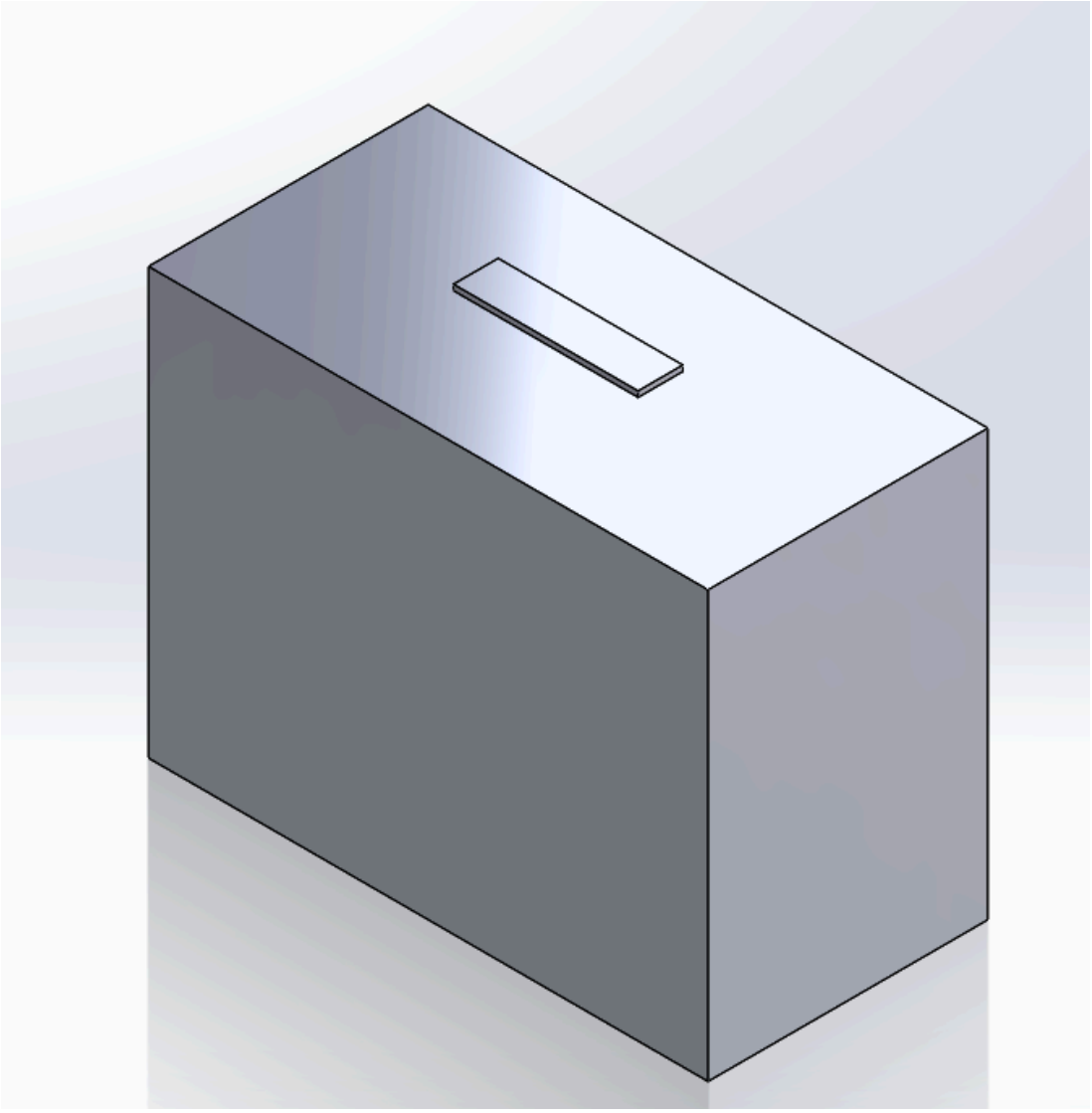
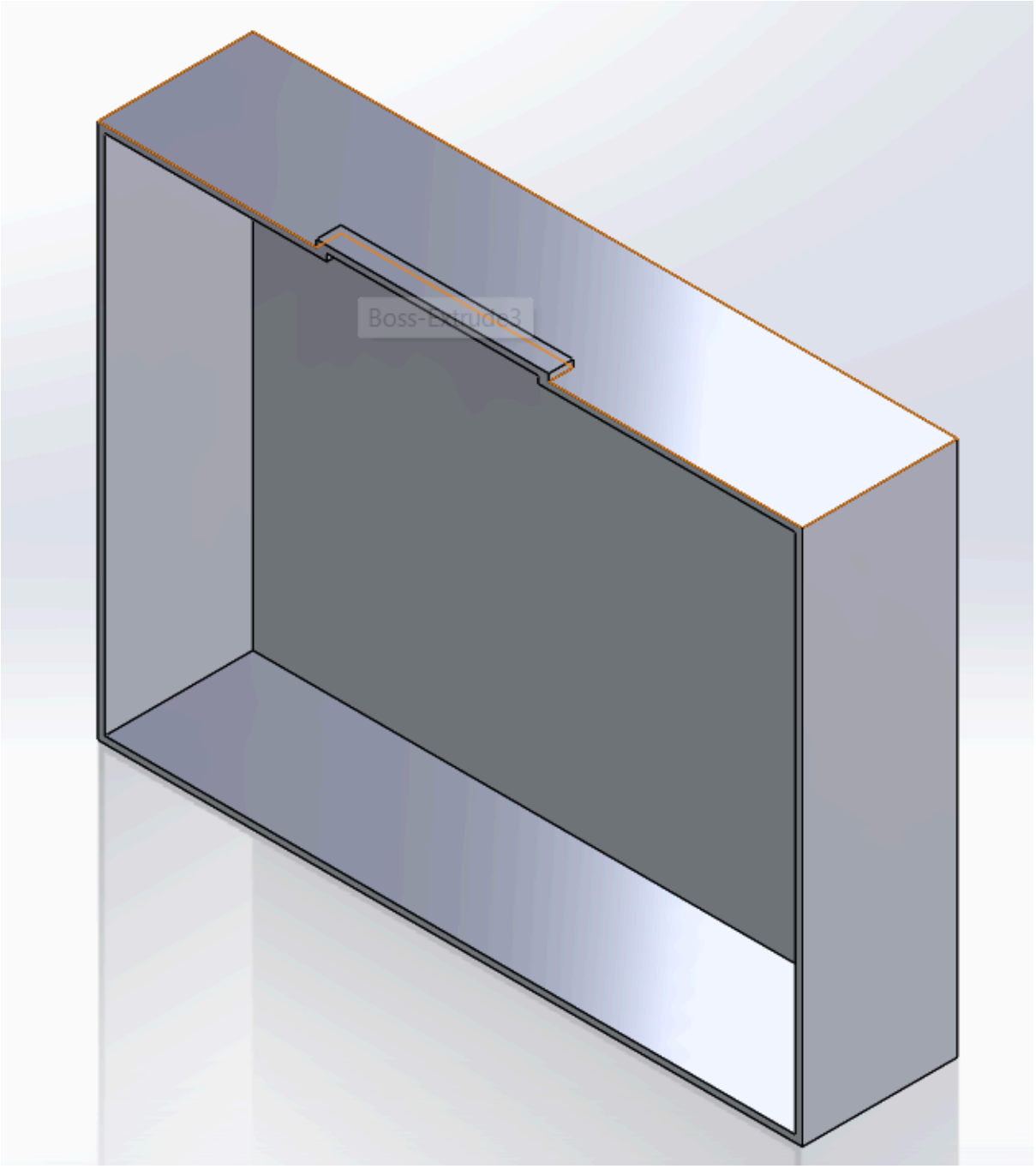
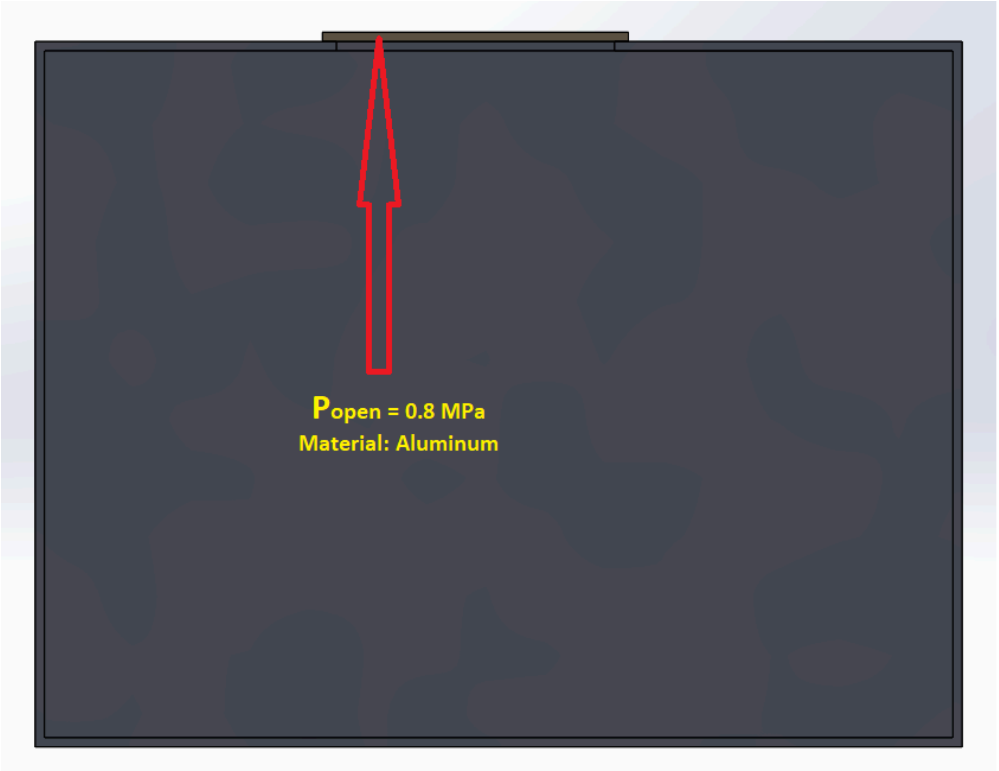
The model has shown in the picture below:




Boss-Extrude3



Problem description:
This box is a battery box, during working, the amount of air will be generated. A lid on the top of the box is designed for air escaping for safety. 8 MPa is the pressure value to the cover exploding and the lid material is aluminum.
The question is that what is how much air (mass flow) is in the box to create 0.8 MPa affecting the lid?

Note: I do not know how to address that case study (I have SOLIDWORKS Simulation Premium and SOLIDWORKS Flow Simulation)