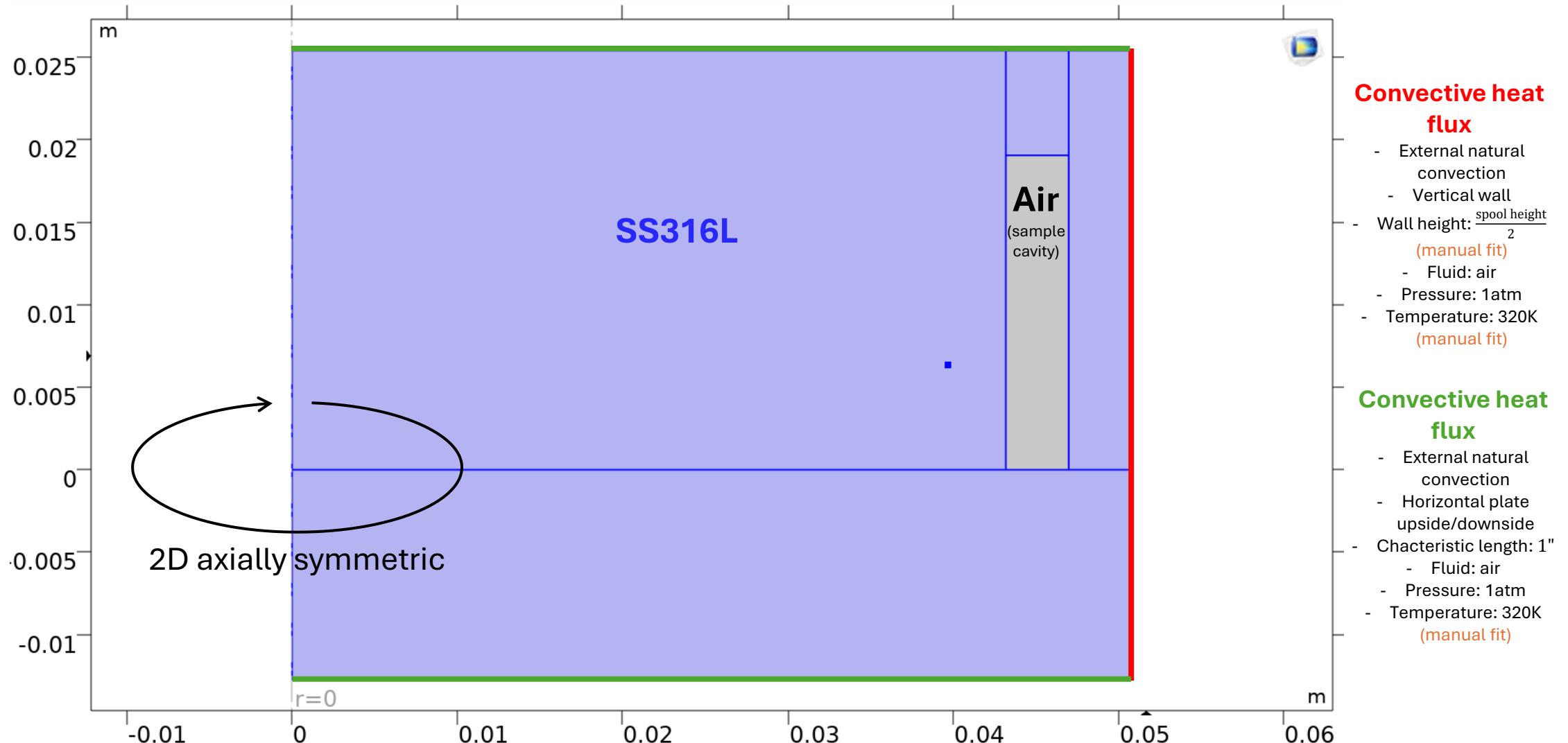


At $t = 0s$, $T = 78.026K$ (first data point from experimental data used for comparison)



Material parameters:

- **Air:** COMSOL default
- **SS316L:** Thermal conductivity $14 \text{ W}/(\text{m} \cdot \text{K})$, Density $8000 \text{ kg}/\text{m}^3$, Heat capacity $500 \text{ J}/(\text{kg} \cdot \text{K})$ (Source: www.matweb.com)