Boundary condition depends on simulated parametr:

Boundary condition can vary depending on a parameter (eg. temperature, pressure etc) value at any cell within the computational domain in the previous time step. For example, S2 can be a value of any caculated parameter (like temperature, pressure etc.) at the exit at a certain time step and the flow velocity at next time step at inlet depends on S2 value (shows in Fig. 1).
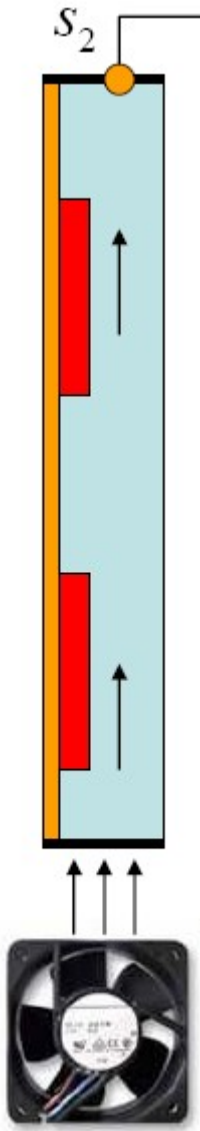

Figure 1: Schematic of a test case