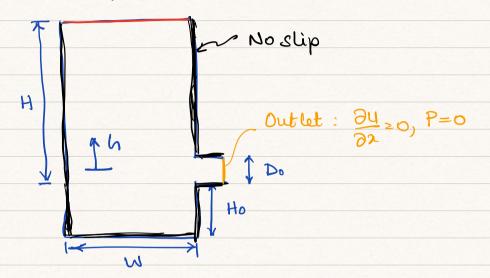
## Flow from a tank

The system geometry is as given below Top: P = g(H-Do/2).



Note: In this case, gravity is included in the presonne as p = (P + gh), where h is the height above the middle of the exit. (Do/z).

- · Use ico Foam to solve for laminar flow.
- · Use piso Foam to solve for flow.
  - · For a given geometey: use a St thet gives a stable flow and a mesh that is fire enough to that the flow is mesh independent.
  - · For a fixed tank geometry, vary the enfice diameter (Do) and study how the relocity at the exit changes for laminar and trisbulent from. Compare to predictions of the Beonauli equation.

· For a fixed Do compare the shamline
lines in the bank and near the exil for laminar and turbulent flow.