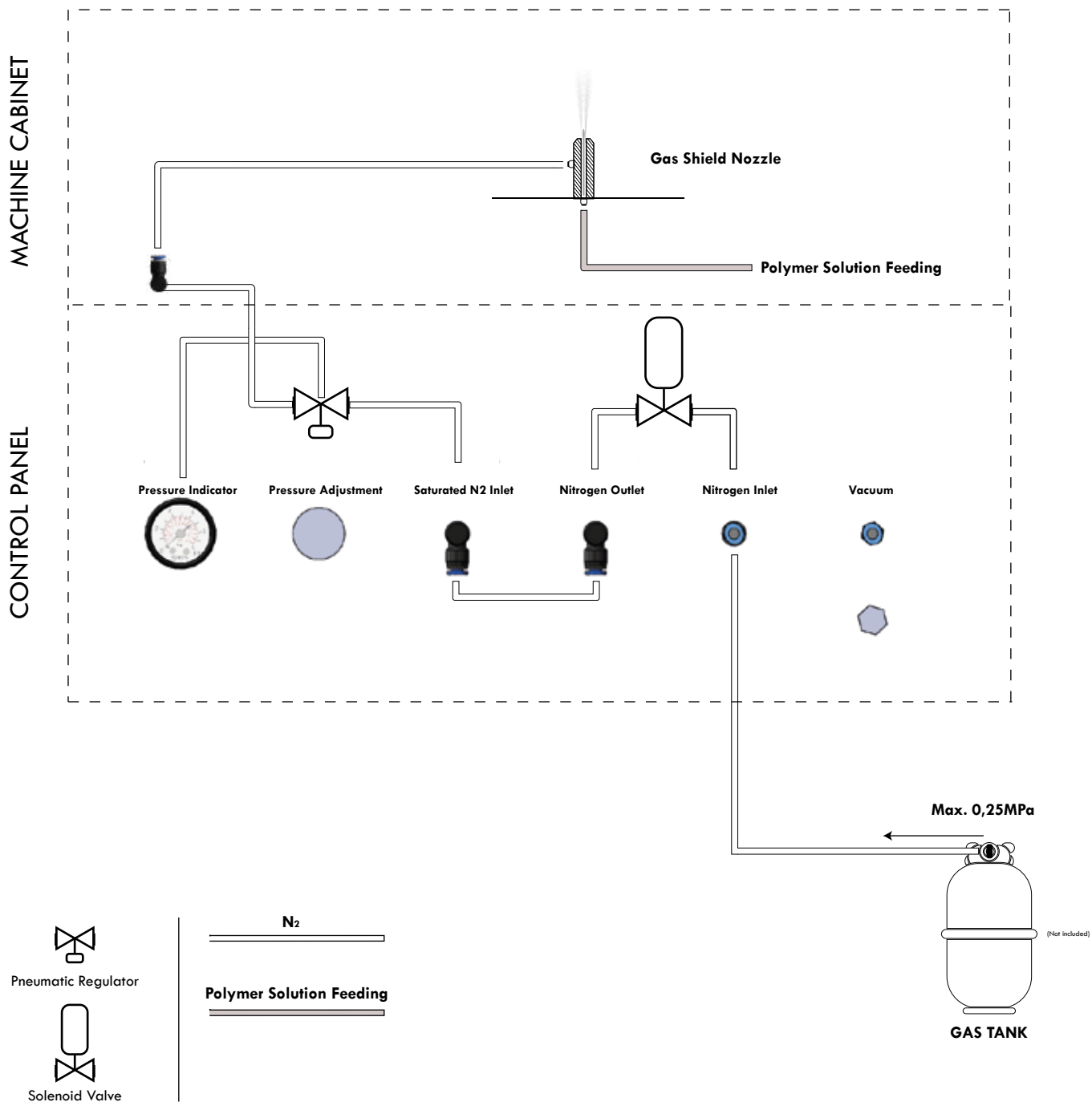
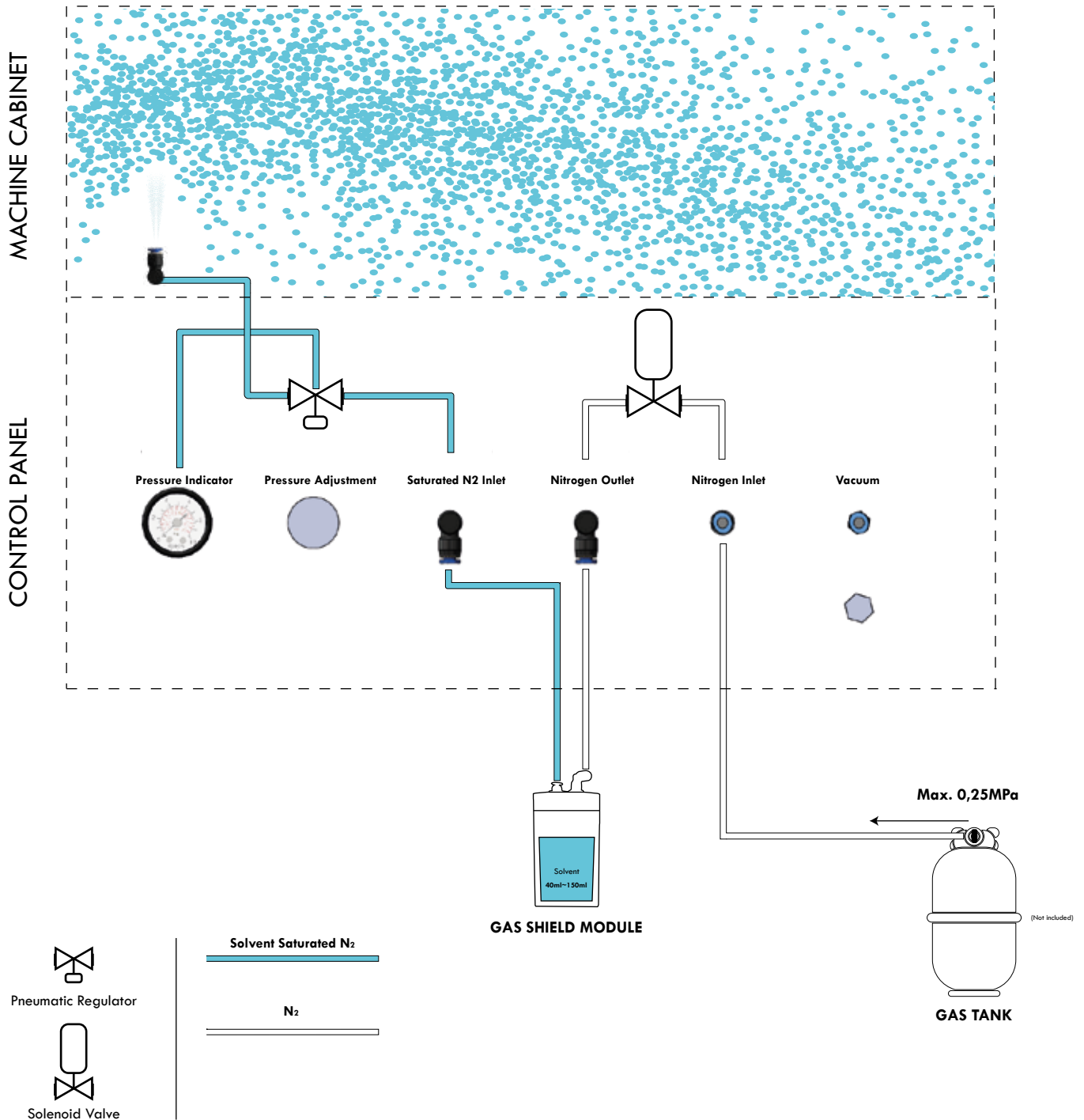


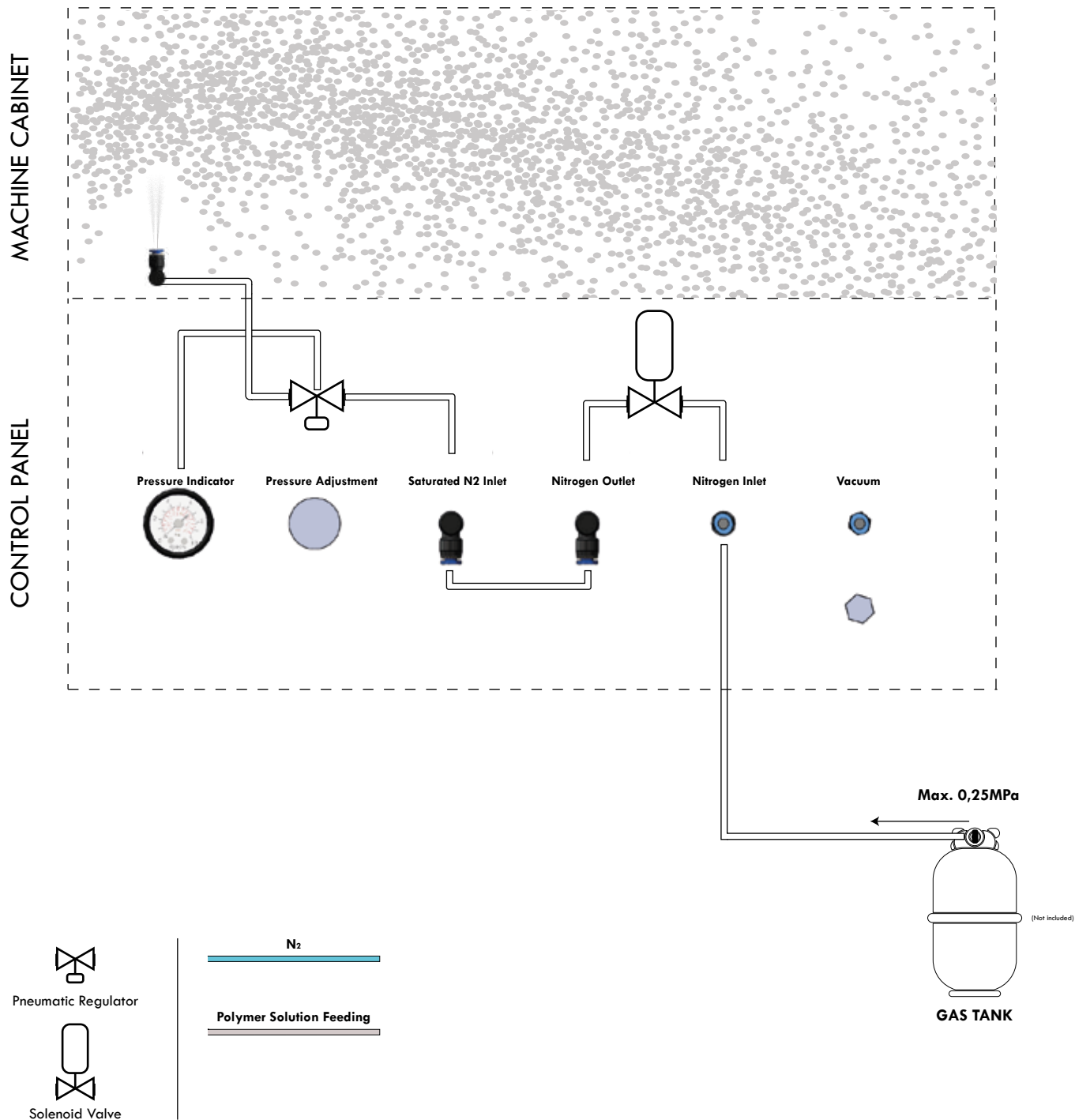
1. Gas pressure must be **<0,25MPa**
2. Strictly prohibited to use with flammable solvents.



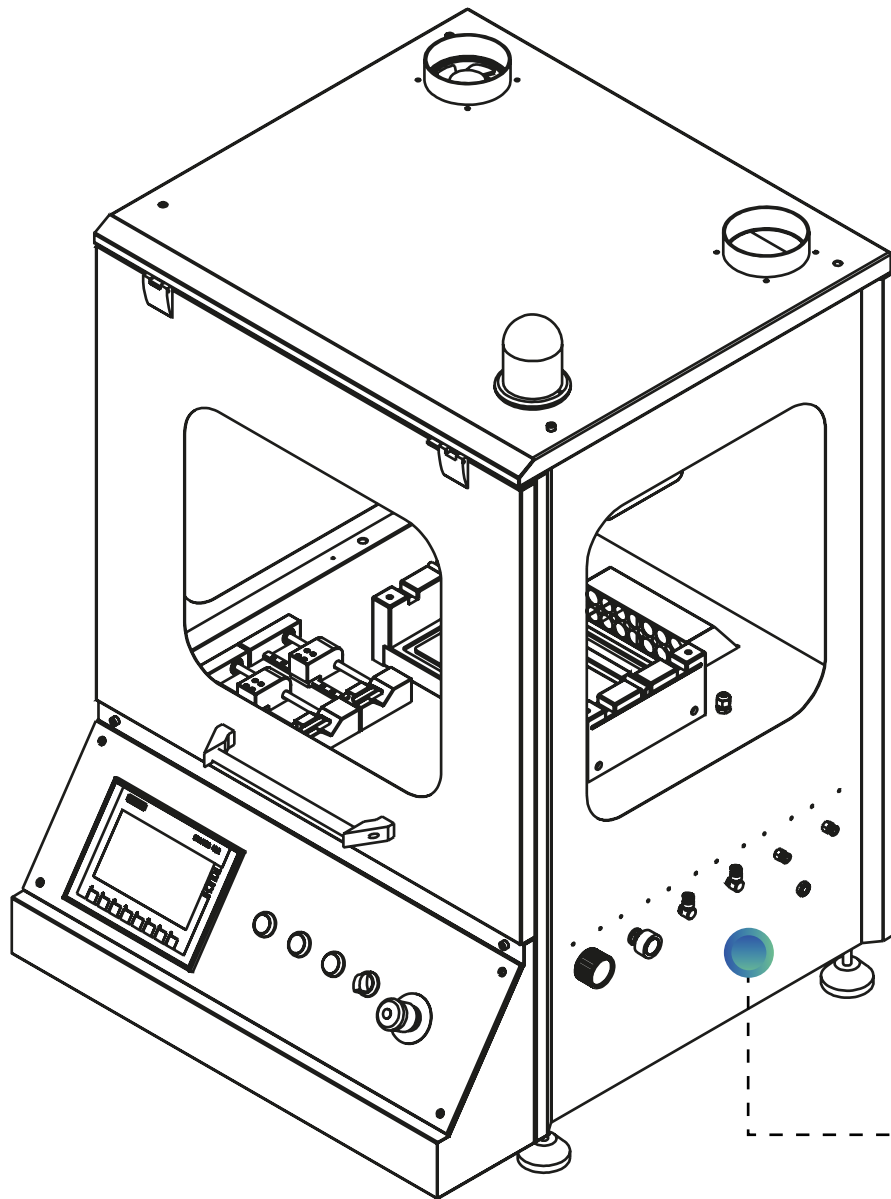
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When a low boiling point solvent is used for electrospinning process, the droplet at the top of the electrospinning nozzle dries out very quickly during the process. By the way, because of the blocking of the needle, the nanofiber production process becomes discontinuous or even impossible carry out.

The gas jacket is applied around the needle to introduce saturated solvent vapors to blanket the Taylor cone to prevent the interruption of stable cone jet formation resulting from severe solvent evaporation. For gas shield application, N₂ is used as the carrier gas. N₂ is fed into a tank, which has low boiling point solvent, and the carrier N₂ gas becomes saturated by the solvent.

