Vapor pressure: is the pressure that the molecules at the surface of liquid exert against the external pressure, which is usually the atmospheric pressure.cold water is placed inside the condenser until the vapor converted in to a liquid, where it must be cold so that condensation occurs and also the process of entering and leaving water continues so that The water inside the condenser doesn't hear up and thus the Condensation process continues inside the condenser The condenser is installed diagonally in the device in order to facilitate the flow of liquid from the condenser and also so that the direction of the cold water is opposite to the direction of the vapor, which increases the speed of condensation process and increase its effectiveness.There is a great similarity between Fractional Distillation and Simple Distillation (RBF, receiving head, hearing mantle, boiling chips, thermometer adaptor, condenser, Thermometer, ware in and water out) and there are one main difference which is fractional column.Boiling point: is the temperature at which the Vapor pressure equals the applied pressure.

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