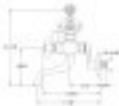
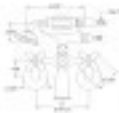


EXERCISE 1: PLASMA DISPLAY CELL

OBJECTIVE: To understand the operation of a plasma display cell.

THEORY: A plasma display cell (PDC) is a type of flat-panel display technology. It consists of a grid of cathodes and anodes, with a gas mixture (neon and argon) and a small amount of mercury vapor sealed inside. When a voltage is applied across the electrodes, the gas ionizes, creating a plasma that emits light. The light is then filtered through a phosphor coating to produce the desired color.



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