

Fabrication of Low Cost Refrigeration System by using LPG

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Abstract: *We created and analysed a refrigerator that uses LPG as a refrigerant in this project. LPG is offered in high pressure cylinders. When this high-pressure LPG gas passes through a capillary tube with a tiny internal diameter, the pressure drops due to expansion, and the LPG phase shifts in an isoenthalpic process. The liquid refrigerant gains latent heat when its phase changes from liquid to gas, and the temperature drops. LPG can generate a cooling effect in this manner.*

Keywords: LPG Refrigeration system, COP, VCR's, Refrigerating Effect, LPG.

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