

DOMESTIC ELECTROLUX REFRIGERATION SYSTEMS:- (B.P. SINGH)

(3)

→ Called as Three fluid system-

- 1- $\text{NH}_3 \rightarrow$ (Refrigerant)
- 2- Water \rightarrow (Absorber)
- 3- Hydrogen \rightarrow (For Circulation)

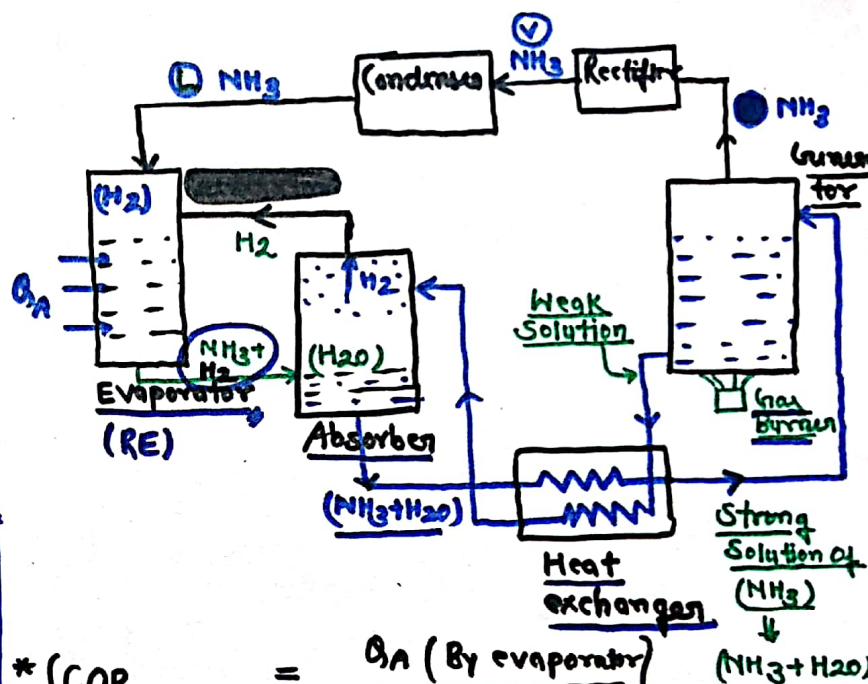
→ NH_3 easily evaporates in presence of Hydrogen.

→ Circulation is due to gravity Action.

→ Buyer to supply heat (Q_s)

→ purpose is to eliminate the use of pump in Refrigerator to reduced noise.

→ H_2 → Non-Corrosive and insoluble in water.



$$* \left\{ \text{COP}_{\text{Refrigerator}} = \frac{Q_A \text{ (By evaporator)}}{Q_s \text{ (By Burner)}} \right\}$$