

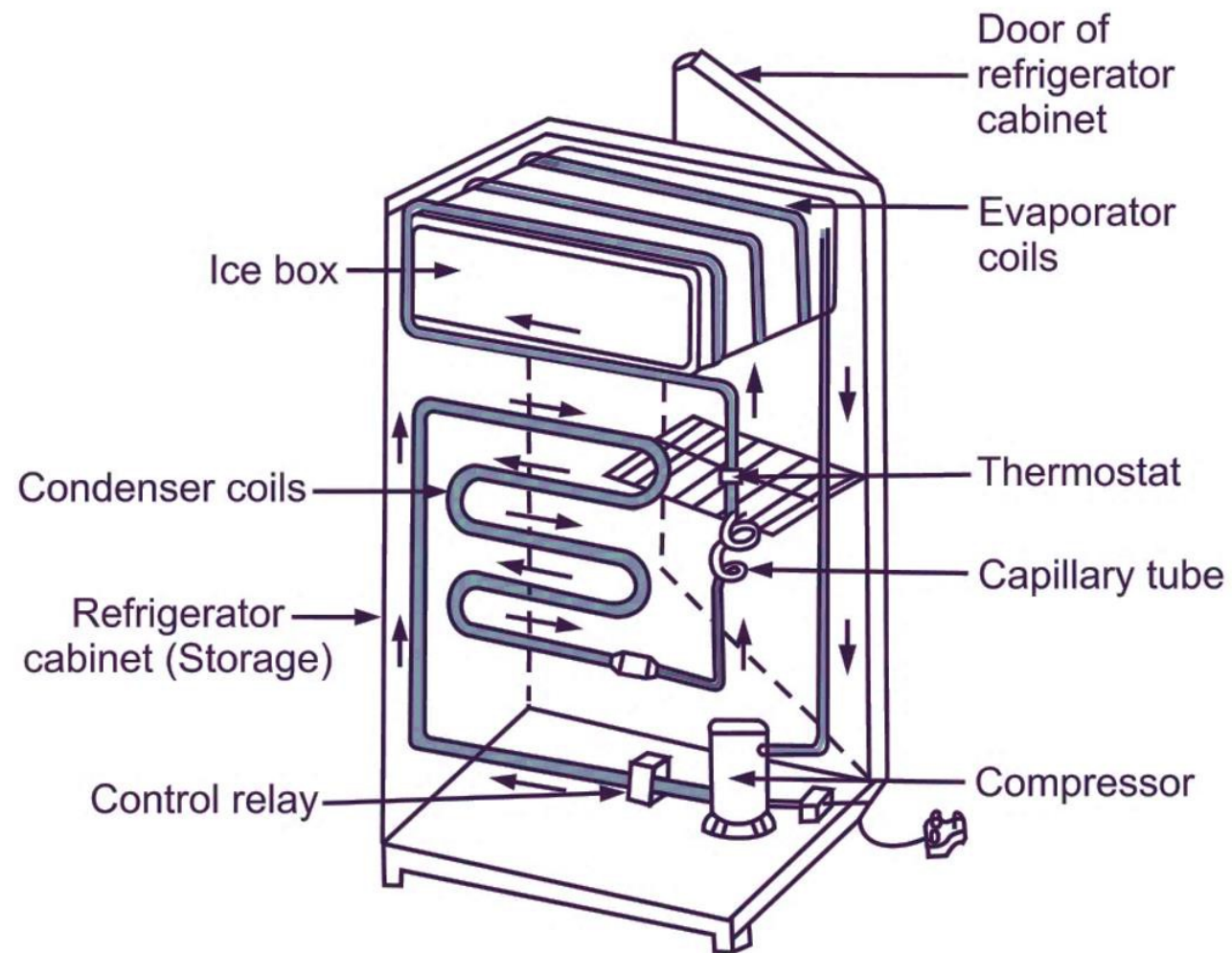
TEACHING LEARNING **MATERIAL**

BRANCH: MECHANICAL ENGINEERING

SEMESTER: 5th SEM

SUBJECT: REFRIGERATION AND AIR CONDITIONING

PREPARED BY: ER. DATI JAYARAM

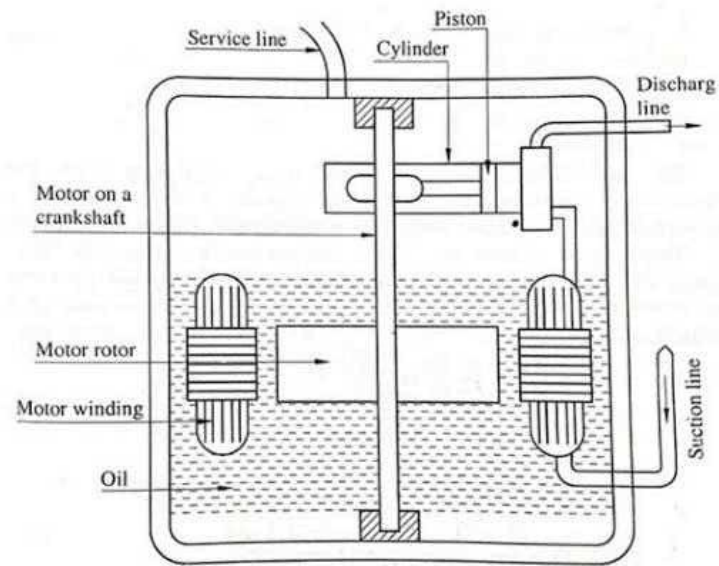


Note : —→ Arrows indicates flow of refrigerant



MOSTLY USED REFRIGERANTS

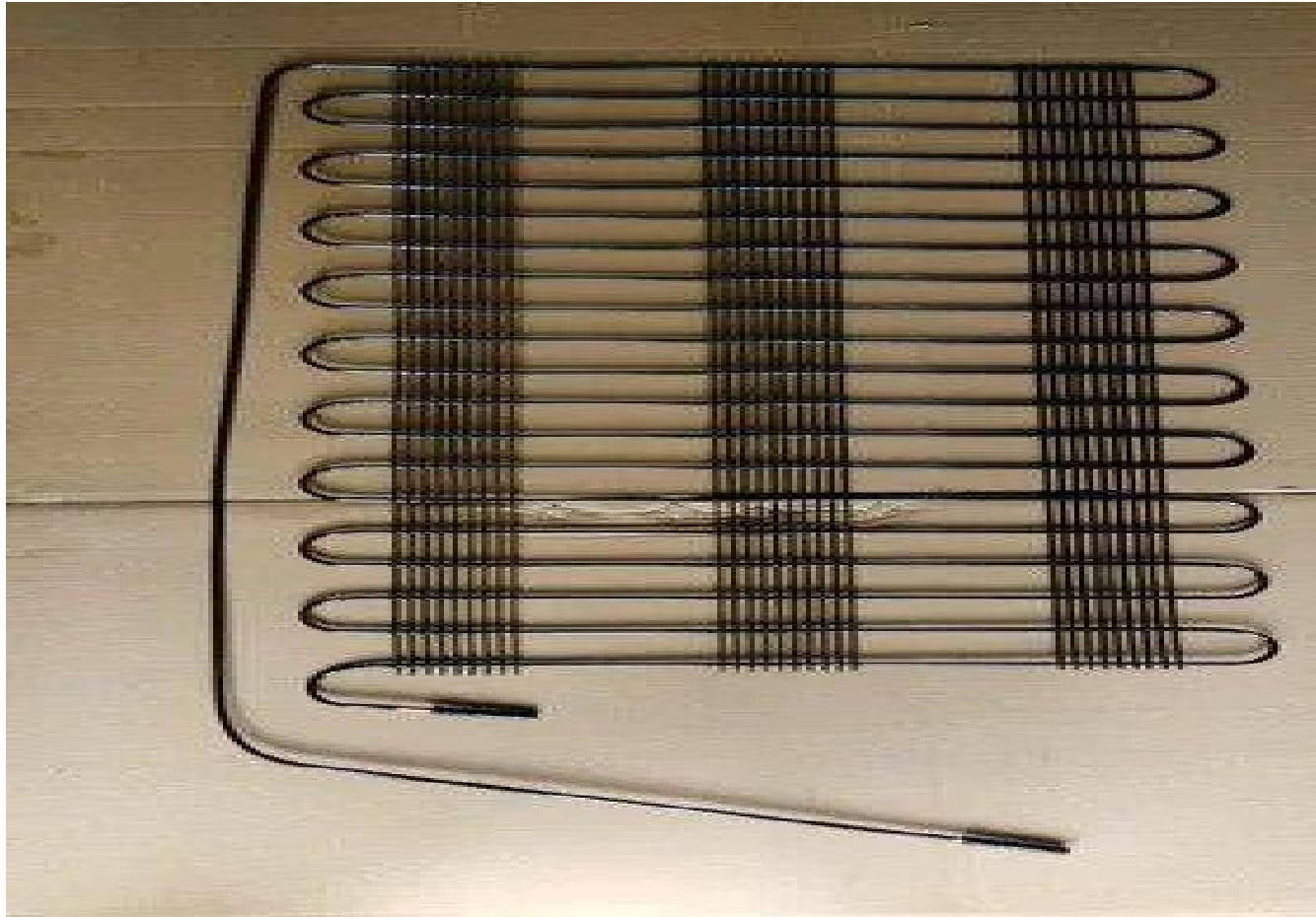




HERMETICALLY SEALED COMPRESSOR



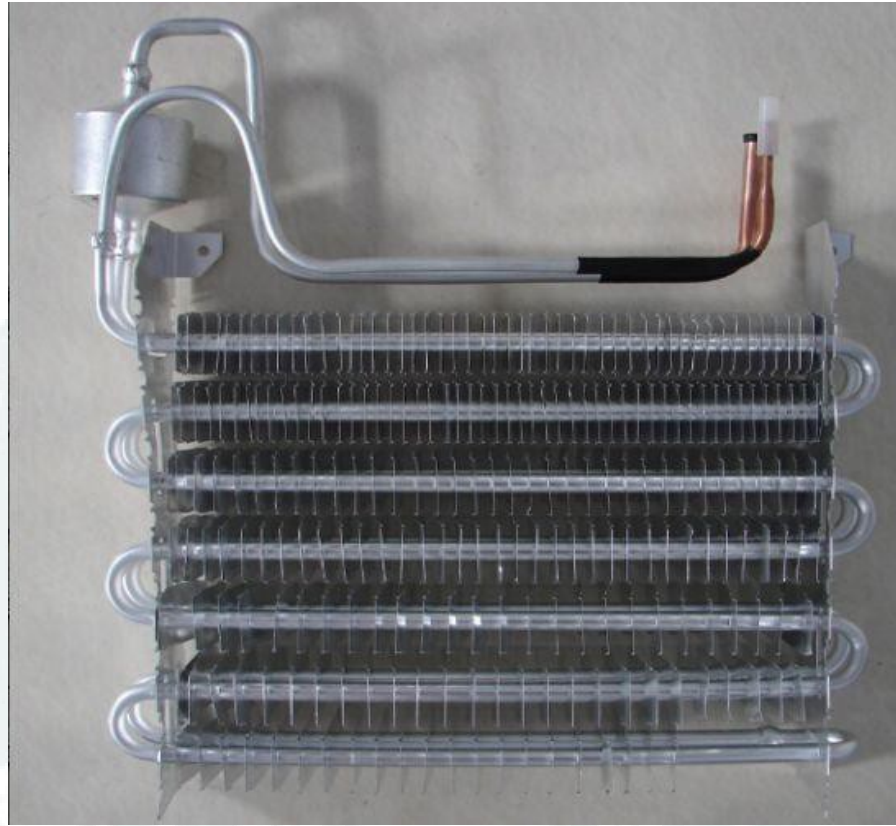
SEMI HERMETIC COMPRESSOR



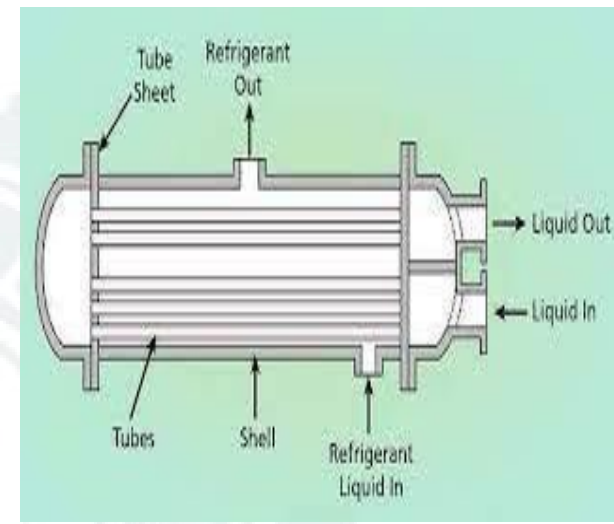
REFRIGERATOR CONDENSER



AC EVAPORATOR



DOMESTIC REFRIGERATION EVAPORATOR



SHELL AND TUBE EVAPORATOR



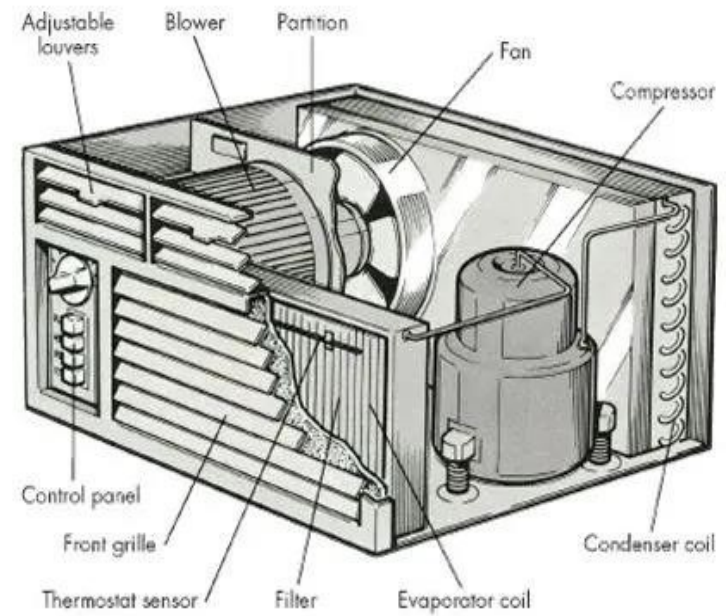
CAPILLARY TUBE



Thermostatic expansion valve



Automatic expansion valve



WINDOW AIR CONDITIONER