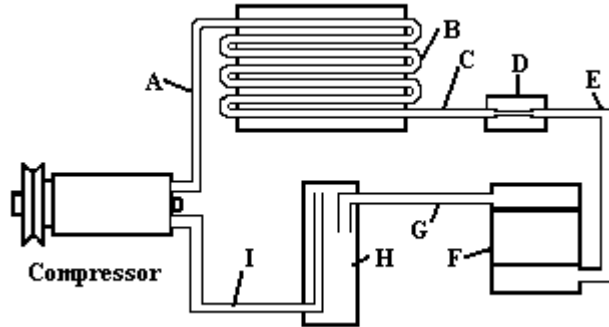


A/C System Operation, Chapter 5

Student Name _____

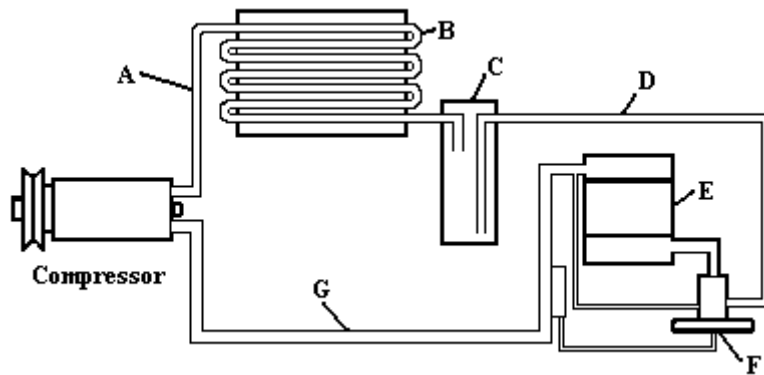
KEY

1. On this orifice tube system, identify each of the marked components and circle the relative pressure and state of the refrigerant contained in it. Identify the compressor suction and discharge ports.



| Component | Name | Pressure | Refrigerant State |
|-----------|----------------|-----------|-------------------|
| A | Discharge Line | High, Low | Gas, Liquid |
| B | Condenser | High, Low | Gas, Liquid |
| C | Liquid Line | High, Low | Gas, Liquid |
| D | Orifice Tube | High, Low | Gas, Liquid |
| E | Liquid Line | High, Low | Gas, Liquid |
| F | Evaporator | High, Low | Gas, Liquid |
| G | Suction Line | High, Low | Gas, Liquid |
| H | Accumulator | High, Low | Gas, Liquid |
| I | Suction Line | High, Low | Gas, Liquid |

2. On this TXV system, identify each of the marked components and circle the relative pressure and state of the refrigerant contained in it. Identify the compressor suction and discharge ports.



| Component | Name | Pressure | Refrigerant State |
|-----------|----------------|-----------|-------------------|
| A | Discharge Line | High, Low | Gas, Liquid |
| B | Condenser | High, Low | Gas, Liquid |
| C | Receiver Drier | High, Low | Gas, Liquid |
| D | Liquid Line | High, Low | Gas, Liquid |
| E | Evaporator | High, Low | Gas, Liquid |
| F | TXV | High, Low | Gas, Liquid |
| G | Suction Line | High, Low | Gas, Liquid |