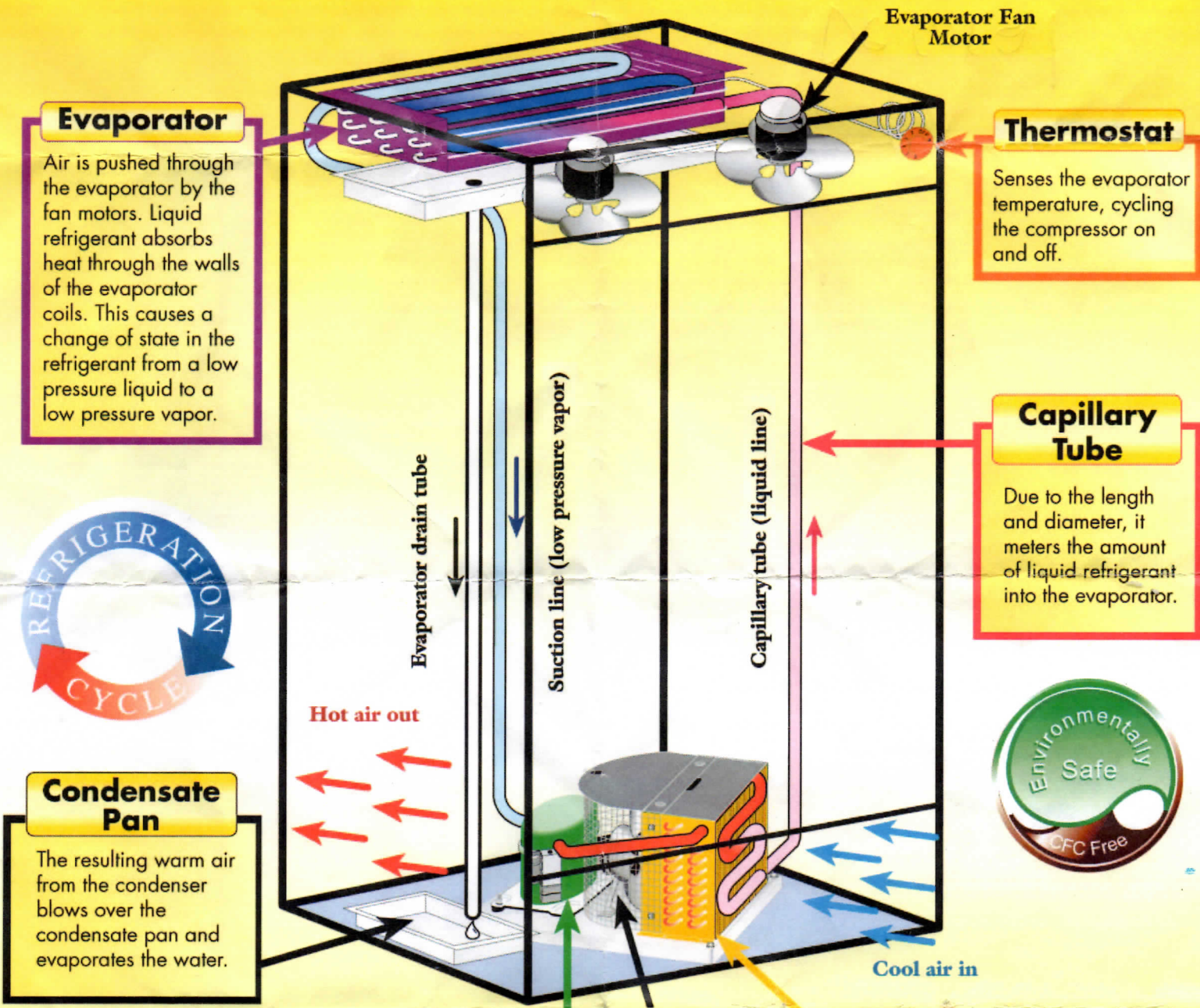


True[®] The Refrigeration Cycle



Evaporator

Air is pushed through the evaporator by the fan motors. Liquid refrigerant absorbs heat through the walls of the evaporator coils. This causes a change of state in the refrigerant from a low pressure liquid to a low pressure vapor.

Thermostat

Senses the evaporator temperature, cycling the compressor on and off.

Capillary Tube

Due to the length and diameter, it meters the amount of liquid refrigerant into the evaporator.

Condensate Pan

The resulting warm air from the condenser blows over the condensate pan and evaporates the water.



Compressor

Combines heat absorbed in the evaporator coils with heat of compression from the piston stroke, then pushes high pressure vapor into the condenser coil.

Condenser

By pulling cool ambient air through the condenser coil, heat is removed. This causes a change in state in the refrigerant from a high pressure vapor to a high pressure liquid.

Color Chart

- Dark Blue=Low pressure liquid
- Light Blue=Low pressure vapor
- Red=High pressure vapor
- Pink=High pressure liquid