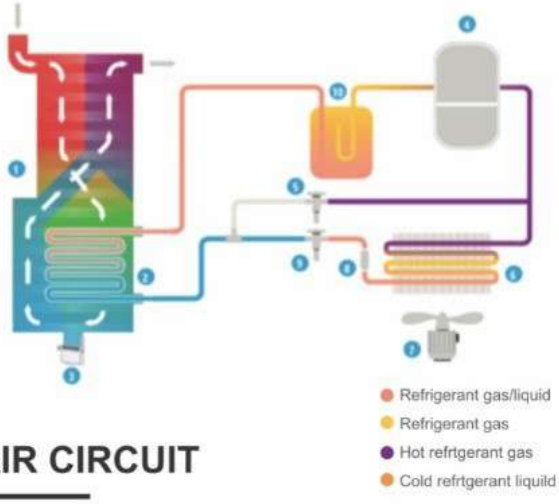
AFTER TREATMENT EQUIPMENT

REFRIGERANT AIR DRYER

ADVANTAGE

- Dryers can worked at ambient temperatures up to 50°C , safety and reliable operation.
- Japanese Panasonic or Sanyang Brand Refrigeration Compressor, energy saving and long service life.
- Efficient heat transfer through unique heat exchanger technology. This significantly lowers energy consumption.
- Large heat transfer in the evaporator, improve the heat transfer efficiency.
- High efficiency gas water separator, make condensed water discharge outside continuously and stably.
- Easy installation and long maintenance intervals. Delivered ready for use, installation is straightforward, minimizing costly production downtime.



AIR CIRCUIT

- Air-to-air heat exchanger: Incoming air is cooled down by the outgoing dry cold air.
- Air-to-refrigerant heat exchanger:The air is cooled to the required dewpoint by the refrigerant circuit.The water vapor condenses into water droplets.
- Integrated water separator:The moisture is collected and evacuated by the electronic drain.

REFRIGERANT CIRCUIT

- The refrigerant removes the heat from the compressed air and cools down to the desired dewpoint.
- Refrigerant compressor: Compresses the gaseous refrigerant to a higher pressure.
- Regulation device: The hot gas bypass valve regulates the dryer to prevent freezing at lower load conditions.
- Refrigerant condenser: Cools the refrigerant so that it changes from a gas to a liquid.
- Refrigerant filter: Protects the expansion device from harmful particles.
- Thermostatic expansion valve: The expansion process reduces the pressure and cools the refrigerant further.
- Liquid separator: Ensures that only refrigerant gas enters the compressor.