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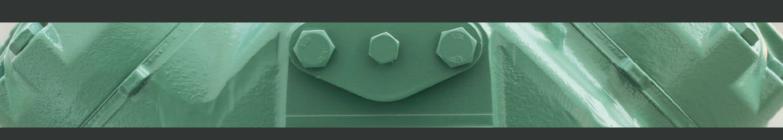












Industrial Refrigeration



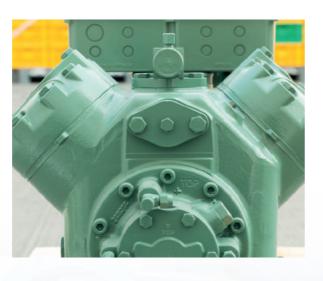




Industrial Refrigeration

The industrial refrigerator is based on the principle of the forced mechanically circulation of a condenser, so it absorbs thermal energy, in order to cool the atmosphere surrounding a certain body. It takes advantage of the condenser compressible fluid capacity, of absorving the heat when compressed.



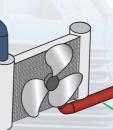




5. In the next heat interchanger (evaporator), the fluid is decompressed and therefore, absorbs the heat in the atmosphere. The pressure reduction and the absorbed heat in the atmosphere make the fluid evaporates.

4. With the expansion valve, the compression is controlled and therefore, the heat absorbed by the evaporator.

3.The compressed and refrigerated fluid is carried to the point that we would like to cool.



2. Condensation. The compression warms the fluid and it is necessary to cool it down. The result of this fluid refrigeration and the high pressure is the condensation.

