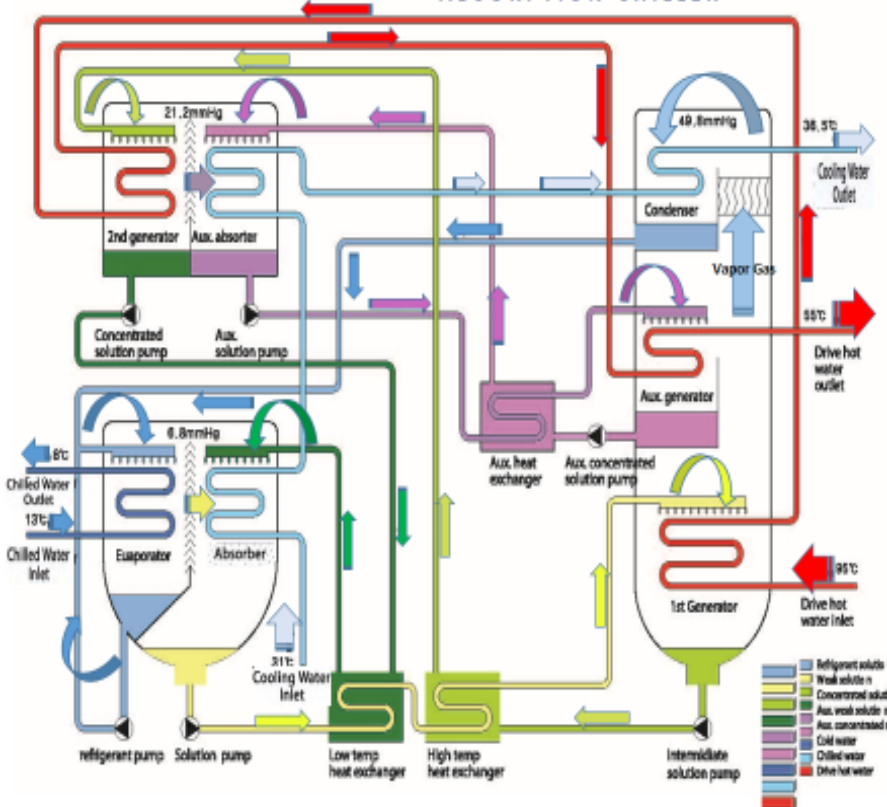


Lithium Bromide Absorption Chiller



Double Lift Hot Water Absorption Chiller

ABSORPTION CHILLER



ABSORPTION CHILLER - an Eco Friendly and energy-saving design Thru **Cogen & Trigen** applications using steam or hot water as the energy resource. Lithium Bromide as absorbent and **water as refrigerant**. Uses Eco friendly materials, which does not raise carbon dioxide that causes global warming. Electricity cost for operation can be saved in the area where steam or hot water is available. Or simply converting waste energy to reusable energy.

Friendly User operation System

Micro process and precise touch screen control which is easy to operate

As the **refrigerant**, the **chilled water** flowing inside the **heating tube** of the **evaporator** is cooled down and the **refrigerant** is absorbed by the **concentrated absorbing liquid** from the **2nd generator**. The **concentrated absorbing liquid** will become thick absorbing liquid and the **heat generated** will be absorbed by the **cooling water**. The **thick absorbing liquid** which absorbed the refrigerant steam from the absorbing unit will go to the **1st generator** passing thru the **low-temp** and **high- temp** heat exchangers. The **hot water** at **95°**, in the **1st generator** will heat the thick absorbing liquid to **generate the refrigerant steam** and then it flows to the **2nd generator** after passing through the high-temp heat exchanger. The medium concentrated thick absorbing liquid from the **2nd generator** will be heated by the hot water coming from the **1st generator** to generate the Refrigerant steam. The refrigerant steam generated from the **2nd generator** will be absorbed by the absorbing liquid flowing outside the heat tube and the thick absorbing liquid which absorbed the refrigerant Steam from the aux absorbing unit will flow to the **Aux generator** after passing through the aux heat exchanger, so that it is heated by the hot water flowing in the heat tube of the aux generator to generate the refrigerant steam. Then, the concentrated absorbing liquid is return back to the Aux absorbing unit passing through the aux heat Exchanger. The refrigerant steam generated from the **1st generator** and the aux generator will condense the refrigerant with the leakage of the chilled Water inside the heat tube then it absorbs the heat generated. That is, the hot water flows the **1st generator » 2nd generator » aux generator** while the cooling water flows » » » **Absorbing unit » aux absorbing unit » condenser** in order to form a Chilled cycle.

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Products: Absorption Chiller & Heater



Exhaust Gas Absorption Chiller-Heater



Single Effect Hot Water Absorption Chiller



Steam Fired Absorption Chiller-Heater



Direct Fired Absorption Chiller-Heater

High reliability

- Designed to enhance the reliability and durability
- Robust structure through the perfect reliability test for long time and higher reliability by adopting high quality components

Efficient operation

- Energy saving and efficiency realized
- Optimal control for the solution cycling volume by inverter depending on the cooling load
- Optimal PID control by sensing the operating condition with the level sensor
- Minimized power consumption due to precise operation and partial load operation

[Option] Early reduction, Anti-freezing, Refrigerant generation, Solution refining, Tube ball clean, Crystal forming prevention from power failure.

Convenient partition

- Repair and maintenance is easy. Multi-partition structure
- Mounting/detaching structure for easy repair and maintenance
- Partial incoming to make it possible for field work such as remodeling at narrow space. Assembling at field is possible

Low noise and low vibration

- Below 75dB at 1m distance for noise level

Non-carbon eco-friendly chiller

- Use of regional heating hot water(Energy use efficiency 84%. The ratio of incineration heat of the combined waste heat-74%)
- Use of natural refrigerant water instead of Freon refrigerant destroying ozone layer
- No CO₂ and NO_x which cause the global warming

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