

# YORK® YHAU-C-L LOW-TEMPERATURE ABSORPTION CHILLER

## Safe, efficient refrigeration at -5°C

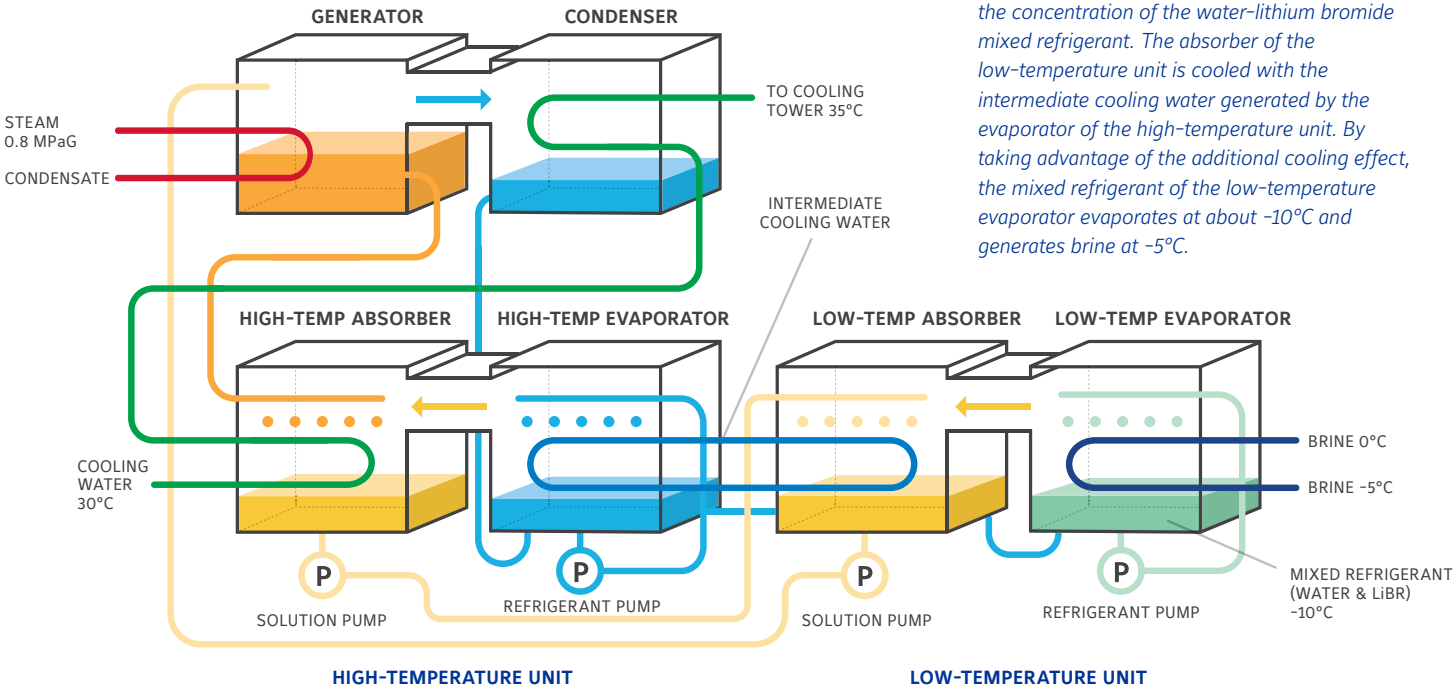
The innovative YORK® YHAU-C-L absorption chiller enables -5°C refrigeration without ammonia by using an advanced two-step evaporator and absorption cycle. As a result, YHAU-C-L absorption chillers provide an environmentally friendly and energy-efficient solution where refrigeration is needed below the freezing point – such as food processing and storage applications.

**Maximum energy efficiency and flexible fuel utilization** is accomplished by using waste heat sources – including hot water, steam, exhaust gas, as well as direct-firing with natural gas – to operate more efficiently than conventional chillers that cannot use waste heat.

**Safe, environmentally friendly operation** is achieved with a design that

operates under a vacuum using water as the refrigerant and lithium bromide as the absorber, creating a water-lithium bromide mixed refrigerant. Unlike conventional ammonia systems that operate under pressure, YHAU-C-L absorption chillers do not fall under high-pressure safety gas regulation or require a qualified operator.

## YHAU-C-L two-step evaporator and absorption cycle design



Two evaporators and two absorbers control the concentration of the water-lithium bromide mixed refrigerant. The absorber of the low-temperature unit is cooled with the intermediate cooling water generated by the evaporator of the high-temperature unit. By taking advantage of the additional cooling effect, the mixed refrigerant of the low-temperature evaporator evaporates at about -10°C and generates brine at -5°C.

YORK® YHAU-C-L LOW-TEMPERATURE  
ABSORPTION CHILLER  
50 TO 500 TR (176 TO 1,758 kW)



## Why install anything but YORK®?

**You want performance. You expect efficiency.**

When your reputation is at stake, it's smart to demand nothing less than YORK® technology and service. That's because we provide local service and parts to keep your equipment operating at peak performance year after year. Enjoy the peace of mind knowing that trained service experts and Original Equipment Manufacturer parts are available from Johnson Controls – the largest HVAC service and preventative maintenance organization in the world.

  
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