

# Absorption Refrigeration

## How it works

Here's how absorption refrigeration works: a concentrated ammonia solution is heated in a hermetic system and driven off as vapour. The pressurised ammonia gas is then liquefied in a condenser and supplied with hydrogen. As a result, it evaporates and, in the process, extracts heat from the food storage space.

The ammonia gas then enters the absorber where it is reabsorbed in a weak solution of ammonia. Finally, the saturated solution flows back to the boiler where the whole cycle starts again. The boiler can be powered by either gas, 12 or 240 volts.

## ADVANTAGES

- › Problem-free operation with gas, 12/24 volts DC or 240 volts AC
- › Relatively low-priced
- › Silent working system

