

Energy efficiency potential in residential and commercial heat pumps

The building and construction sector accounts for 36% of global energy consumption and 39% of global CO₂ emissions.

A heat pump is four times more efficient than a boiler for heating residential and commercial buildings, reducing energy consumption.

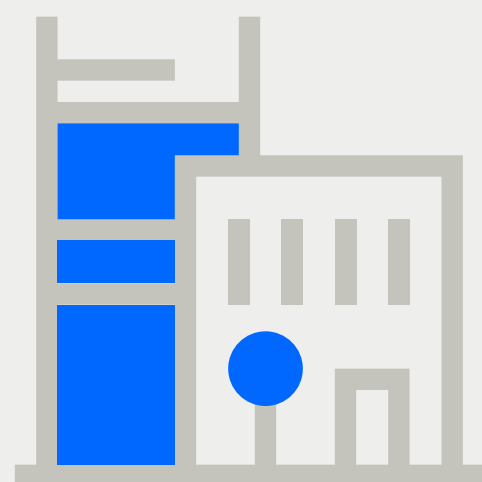


Alfa Laval's contribution

Yearly new installations

Every year, new Alfa Laval plate heat exchangers save 300 GWh of electrical power and reduce CO₂ emissions by 70,000 tonnes, compared to traditional technologies. This is the equivalent to heating:

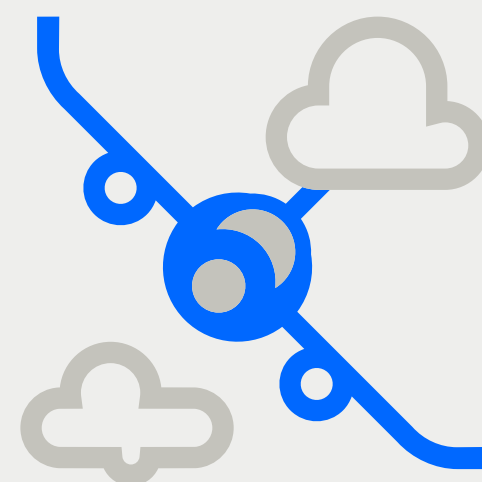
27,000
Chinese homes



Total installed base

Alfa Laval's total installed base of heat exchangers saves 29 TWh of energy and 6.6 million tonnes CO₂ emissions every year. That is equivalent to:

24,000
Flights between
London – Shanghai



Imagine if...

...all boilers were replaced by heat pumps. That would save 230 TWh of energy annually, which is the total electricity consumption of Spain. It would also reduce emissions by:

43 million
Tonnes of CO₂
Equivalent to Madrid

