

Energy efficiency potential through AHRI in district cooling

AHRI (The Air-Conditioning, Heating and Refrigeration Institute) administers the only third-party performance certification program for plate heat exchangers.

AHRI certifies and validates thermal performance to ensure that heat exchangers perform according to specifications.

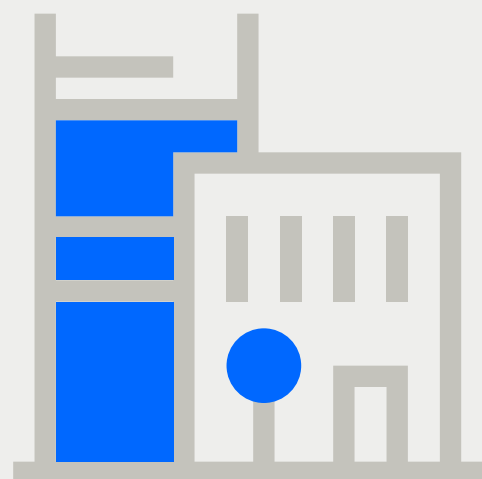


Alfa Laval's contribution

Total installed base

The total installed base of AHRI-certified Alfa Laval heat exchangers reduces CO₂ emissions by 215,000 tonnes every year, compared to non-certified technologies. They also save 459 GWh of electrical energy, or what's enough to cool:

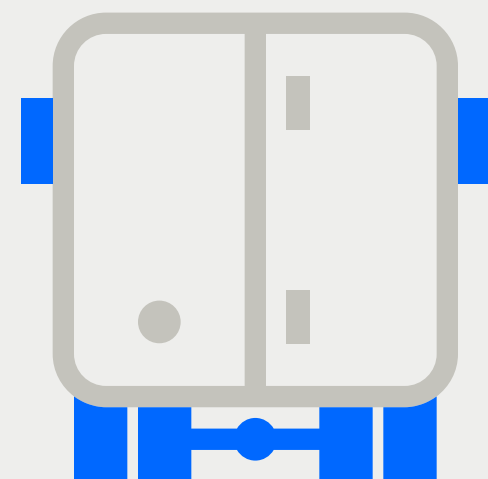
210,000
Singaporean homes



Service potential

If all plate heat exchangers in district cooling were serviced to optimize heat transfer efficiency, the yearly energy consumption could be reduced by 5 Twh and 1,2 million tonnes of CO₂ emissions would be saved every year – the same as:

14,400
Heavy trucks



Imagine if...

... all heat exchangers in district cooling used AHRI-certified heat exchangers. That would save 80 million tonnes of CO₂ emissions, and 164 TWh of electrical power every year – the annual energy generated by:

16,500
Wind turbines

