



## Pressure breaker

Keeping pressure within safe limits while minimizing cooling loss



Pressure breakers can solve problems that high buildings commonly face when it comes to HVAC piping systems. In skyscrapers, the static head creates pressure that may exceed acceptable load levels for the condenser or room air conditioners.

An Alfa Laval gasketed plate-and-frame heat exchanger can split the circuit in order to limit pressure to an acceptable level. Gasketed plate-and-frame heat exchangers may be placed on different levels throughout a building, thereby keeping the pressure within relevant limits for pumps, piping, fittings and valves.

### **Pressure breakers in skyscrapers**

In skyscrapers, there may be many plate heat exchangers acting as pressure breakers. In these cases, it is very important not to waste cold in the cooling system. When it comes to energy efficiency, Alfa Laval's "close approach" ensures that the gasketed plate-and-frame heat exchangers transfer cold media to the top of the building with minimum loss.