



Modular Chillers

Modular Chillers manufactures the only true modular chilling system - where it is possible to remove, service or replace individual components without shutting down the balance of the system - all in the space of a few hours. Our modular chillers are ideal for those situations where accessibility and space are restricted, expansion is inevitable, where large cooling capacities and uninterrupted operation are required. Possible applications include: large homes or estates, old historical buildings, hospitals, universities, central telecommunication switching centers, computer rooms and data centers, commercial facilities, laboratory environments and industrial process control stations. To help you decide if a modular chiller is the right solution for your particular situation please read our article on Air Conditioning Systems Using Modular Chillers.

Like all chillers, our models use water, glycol or air as a heat transfer medium. They are different from most chillers in that they were specifically designed for buildings that require extremely large cooling capacities and where space is limited and very hard to access. Providing air conditioning for high rises or old historical buildings with elevators and narrow hall ways present unique challenges.

In most cases, with space and accessibility being what they are, you will not want to face the possibility of having to replace or repair the chiller once it has been installed. If it is an older building or a multi-story building with virtually no elevators to speak of, a modular chiller is going to make your life much easier.

A modular chiller is a basically a series or set of modules that operate together to offer the large cooling capacity required and can be installed one at a time to form a sequence of chillers. But while the true value of a modular chiller solutions is uninterrupted operation, this has been achieved in two very different ways: either by using 1) multiple backup systems, or 2) by using a systems of modules where it is possible to remove, service or replace individual modules without shutting down the balance of the system - all in a matter of hours. While the first option can reduce service calls, the implementation of multiple backup systems can be expensive.

Chillers is the first manufacturer to pursue the second alternative: a true plug and play modular chiller where it is possible to "pull" a defective component to fix it and then "plug" it back into the system without shutting down the system. Our modular chillers allow for easy assembly of large tonnage systems in locations where space is at a premium and access is restricted.

Constructed with stainless steel, our modular chillers will operate and look the same in ten years as they do when they first arrive at your facility. Since we only use American manufactured components (Copeland compressor and Alco and Sporlan refrigeration products) in the production of Chillers, all major parts can be sourced from local wholesalers.