

Designed  
to Perform.  
**Built to Last.**

Chiller Systems



## Chiller Systems

Our energy-efficient lines of portable and central chiller systems offer precise process cooling for any application and meet all EPA standards for low GWP refrigerants. Portable chiller systems can provide process cooling down to -23°F (-31°C), up to 60 Ton cooling capacities, and are available in combination heating and chilling, single- and dual-circuit configurations, modulating and outdoor chiller designs. Central chiller systems supply process fluid control down to 20°F (-7°C) and up to 120 Ton cooling capacities.

### Iceman Micro Series | 1/3 Ton

Ideal for laboratory applications, laser cooling, micro-molding and other industrial applications. Constructed in a sleek space-conscious cabinet, this system can also be customized to fit into space-limiting configurations.

- Compact; tabletop systems
- Air-cooled or water-cooled condensing
- Fluid temperature range 20°F to 60°F (-7°C to 16°C)



### Iceman SC Series | 1 to 50 Ton

Chillers feature a scroll compressor providing superior efficiency, enhanced reliability and quieter operation (reciprocating compressor in some models). The scroll compressor has 50 percent fewer moving parts than standard reciprocating compressors - increasing the reliability and efficiency of the compressor.

- Air-cooled or water-cooled condensing
- Green-friendly refrigerant
- Fluid temperature range 10°F to 65°F (-12°C to 18°C)



### Iceman Dual Circuit SC Series | 10 to 60 Ton

Featuring a tandem compressor arrangement for dual-circuit capacity control. The tandem design provides down to 10 percent of overall capacity for smaller applications. For larger applications requiring more capacity, both circuits work together to meet the needs of the process.

- Flexible solution for ever-changing process cooling requirements
- Air-cooled or water-cooled condensing
- Fluid temperature range 20°F to 65°F (-7°C to 18°C)



### Iceman SM Series | Modulating

This scroll compressor design is capable of providing variable capacity output from 10 to 100 percent. A controlled amount of discharge gas is bypassed for a varying amount of time, resulting in a reduction of compressor output that conserves energy while maintaining temperature stability.

- Available in 5, 10 and 15 Ton nominal capacities
- Air-cooled or water-cooled condensing
- Fluid temperature range 20°F to 65°F (-7°C to 18°C)



## Iceman LT Series | Low Temperature

Chillers feature nonferrous components and a semi-hermetic discus compressor, providing superior energy efficiency, robust operation and easy maintenance.

- Up to 10 Ton capacities
- Air-cooled or water-cooled condensing
- Fluid temperature range -23°F to 20°F (-31°C to -7°C)



## Full Range | Heating and Chilling

Our water-based Full Range temperature control system offers a combination heating and chilling system all in one package. A Mokon water system, combined with an Iceman chiller, integrates the benefits and features of both products into one compact, self-supporting unit.

- Available with heating capacities up to 96 kW
- Up to 60 Ton chilling capacities
- Temperature range of -23°F to 380°F (-31°C to 193°C)



## Outdoor | Up to 60 Ton

Chillers feature a scroll compressor providing superior efficiency, enhanced reliability, quieter operation and freed-up valuable indoor floor space. A remote NEMA 12 indoor electrical enclosure provides easy operation of the microprocessor-based chiller controller with safety indication and start/stop capabilities.

- Designed for exterior installation
- Air-cooled condensing
- Process cooling down to 20°F (-7°C)



## Centrals | 30 to 120 Ton

Single- or dual-circuit configurations to meet your processing requirements with scroll compressors. Our dependable, energy-efficient systems are your source for continuous centralized process cooling.

- Process cooling down to 20°F (-7°C)
- Pump tank systems from 100 gallons and larger
- Combination centrals and pump tanks available



**The right design,  
every time.**

We've made it our mission to surpass the needs of our customers across a variety of industries. That's why we offer the ability to custom engineer any of our designs to meet an application's specific requirements.

## **For over 70 years,**

Mokon has set the standard for high-quality circulating liquid temperature control systems. Our product line has grown significantly since it first introduced a water temperature control system to include heat transfer oil systems, portable and central chillers, pump tanks, cooling towers, blown film coolers, cold climate coolers, engineered and pre-engineered control panels, maintenance products and custom engineered systems.

Our team of engineering, sales and service professionals is dedicated to supplying the safest, high-quality products in the industry.

## **The trusted name in temperature control**

We provide accurate and reliable temperature control ranging from -23°F to 650°F (-31°C to 343°C).

## **Custom Engineered Solutions**

Mokon has continued to adapt to the evolving needs of our customers worldwide. Our strong commitment to quality and safety is shown in the design, capabilities and engineering expertise built into every product Mokon manufactures.

Our custom expertise includes NEMA rated panels, stainless steel cabinets and components, cleanroom and wash down designs, sanitary environments, packaged skid systems, electrical and control capabilities, modular designs and much more.

Mokon is an ISO 9001 and ISO 14001 certified company and our custom designs can meet ASME, CE, CSA, NEMA, NFPA and UL standards.

## Industries We Serve

Our chiller systems and custom solutions serve multiple applications across several industries, including:

- Aerospace and Composites
- Automotive
- Chemical Processing
- Die Casting
- Food and Beverage
- Packaging
- Pet Food
- Pharmaceutical
- Plastics Processing
- Power and Energy
- Printing
- Rubber Processing
- Semiconductor

## Customer Service You Can Count On

Backed by one of the most experienced customer service teams in the industry, Mokon offers full customer support so you can have access to our expertise before, during and after the sale. Our service capabilities include:

- 24-hour customer support right over the phone
- Installation and start-up assistance
- Customer training capabilities
- Complete factory repair and refurbishment services
- For technical support, visit our Customer Center at [mokon.com/customercenter](http://mokon.com/customercenter)
- Find components and replacement parts at [shop.mokon.com](http://shop.mokon.com)

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