



## Compact, Efficient Cooling

The Iceman Micro Series is a compact, table-top size portable chiller, designed for small capacity process cooling applications. It provides accurate, efficient and dependable cooling. The chiller is 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.

The Iceman Micro Series Chiller is available in air-cooled and water-cooled condensing styles, both with cooling capacities of 1/4 or 1/3 Ton. The air-cooled design utilizes an air-cooled fin and tube condenser and is ideal for applications where cooling water supplies are inadequate or of poor quality. The water-cooled uses a tube-in-tube water-cooled condenser, used primarily for installations where chilled water is required but existing cooling water supplies are not cold enough or ambient air temperatures are of a concern.

The overall design provides for long life, durability and accurate continuous process control. Traditional Mokon quality and craftsmanship can be found throughout, such as nonferrous construction and the incorporation of highly accurate microprocessor-based controls. All these features and more in a compact design with Mokon reliability built in!



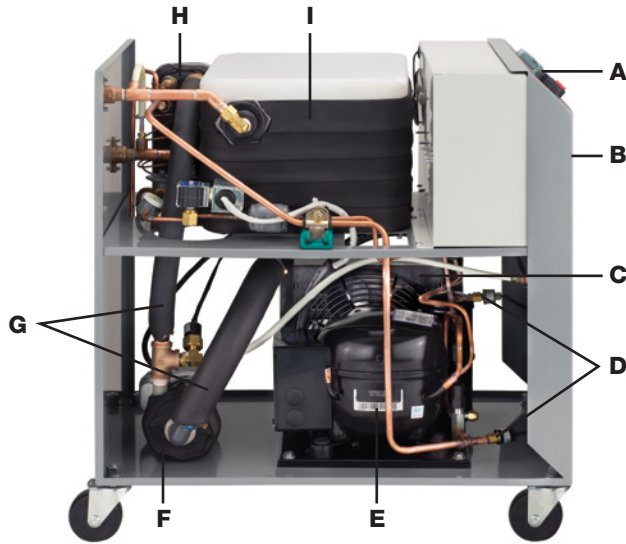
Design is the Difference<sup>SM</sup>

## ICEMAN Micro Series

*Air-Cooled Portable Chiller*  
*Water-Cooled Portable Chiller*

- ▶ **1/4 or 1/3 Ton cooling capacities**
- ▶ **Air-cooled and water-cooled condensing**
- ▶ **Nonferrous components**
- ▶ **Compact and portable**
- ▶ **Durable, powder coated steel cabinet**
- ▶ **Easy-to-remove, lift-off cover allows easy access to internal components**
- ▶ **Microprocessor-based controller**
- ▶ **UL 508A labeled electrical sub-panel**
- ▶ **Meets NFPA 79 electrical safety standards**

# Compact, Efficient Cooling



## Standard Features

- A** Microprocessor-based controller mounted in operator-friendly orientation
- B** NEMA rated electrical enclosure
- C** Air-cooled condenser (shown) or water-cooled condenser
- D** High and low refrigerant pressure switches
- E** Hermetically sealed compressor
- F** Nonferrous supply pump
- G** Insulated nonferrous plumbing and components
- H** Highly efficient brazed plate evaporator
- I** Heavy-duty insulated plastic tank
- J** NFPA 79 and UL labeled electrical sub-panel (not shown)

## Specifications for Iceman Micro Series (Air-Cooled)

| Model   | Cooling Capacity (Tons) <sup>1</sup> | Compressor (Hp) | Pump (Hp) | Nominal Flow Rate (GPM) | Nominal Pressure (PSI) | Process Connection (FNPT) | Tank Size (Gallons) | Electrical Service     | Dimensions (L x W x H) | Shipping Weight (Approx. lbs.) |
|---------|--------------------------------------|-----------------|-----------|-------------------------|------------------------|---------------------------|---------------------|------------------------|------------------------|--------------------------------|
| AF-1125 | 1/4                                  | 1/4             | 1/8       | 0.6 (2.3 Max)           | 10                     | 1/2"                      | 4                   | 115V single phase 60Hz | 26" x 17" x 28"        | 150                            |
| AF-1133 | 1/3                                  | 1/3             | 1/8       | 0.8 (2.3 Max)           | 10                     | 1/2"                      | 4                   |                        | 26" x 17" x 28"        | 150                            |

## Specifications for Iceman Micro Series (Water-Cooled)

| Model   | Cooling Capacity (Tons) <sup>2</sup> | Compressor (Hp) | Pump (Hp) | Nominal Flow Rate (GPM) | Nominal Pressure (PSI) | Connections (FNPT) |           | Tank Size (Gallons) | Electrical Service     | Dimensions (L x W x H) | Shipping Weight (Approx. lbs.) |
|---------|--------------------------------------|-----------------|-----------|-------------------------|------------------------|--------------------|-----------|---------------------|------------------------|------------------------|--------------------------------|
|         |                                      |                 |           |                         |                        | Process            | Condenser |                     |                        |                        |                                |
| WF-1125 | 1/4                                  | 1/4             | 1/8       | 0.6 (2.3 Max)           | 10                     | 1/2"               | 3/8"      | 4                   | 115V single phase 60Hz | 26" x 17" x 28"        | 150                            |
| WF-1133 | 1/3                                  | 1/3             | 1/8       | 0.8 (2.3 Max)           | 10                     | 1/2"               | 3/8"      | 4                   |                        | 26" x 17" x 28"        | 150                            |

<sup>1</sup> Air-cooled based on 50°F chilled water at 2.4 GPM/ton and 90°F ambient air.

<sup>2</sup> Water-cooled based on 50°F chilled water at 2.4 GPM/ton and 60°F condensing water. Fluid temperature range is 20 to 60°F.

## Controls

A microprocessor-based controller provides dual LED indication of your process fluid setpoint and actual temperature to ensure process control accuracy. Control options include serial communications, SPI protocol, brand name control or host interface capabilities.

## Options

Mokon offers a variety of options and accessories to meet specific customer needs. Typical requests include visual alarm, audible alarm, automatic fill, pilot light indication and pressure gauge. Please contact Mokon for more information.

## Product Testing & Warranty

All Mokon chillers are qualified for service by rigid, simulated field tests, and are factory calibrated. Mokon offers a one-year warranty as standard.

Technical data shown is subject to change without notice. The company will endeavor to supply the equipment as illustrated but reserves the right to make dimensional and other design changes as required.



2150 Elmwood Avenue, Buffalo, New York 14207  
 Phone: 716-876-9951 ■ Fax: 716-874-8048  
 www.mokon.com ■ E-mail: sales@mokon.com