



Designed to Perform. Built to Last.

ICEMAN MICRO SERIES

Portable Chiller System
20°F to 60°F (-7°C to 16°C)



Mokon's Iceman Micro Series portable chiller with low GWP refrigerant maximizes performance with process cooling from 20°F to 60°F (-7°C to 16°C). The Iceman Micro Series is a compact, table-top size portable chiller ideal for laboratory applications, laser cooling, micro-molding and other small capacity process cooling applications.

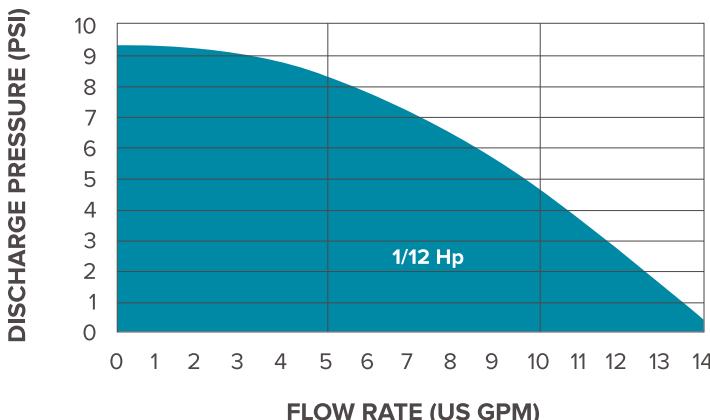
Air-Cooled		Water-Cooled		Refrigerant	Process Pump			Connections		Tank Size (Gallons)	Approximate Dimensions (L x W x H)
Model	Cooling Capacity ¹ (BTU/Hr) @ 50°F (10°C)	Model	Cooling Capacity ¹ (BTU/Hr) @ 50°F (10°C)		Pump (Hp)	Min/Max Flow Rate (GPM)	Nominal Pressure (PSI)	Process (FNPT)	Condenser Water-Cooled ² (FNPT)		
AF-1233	3,200	WF-1233	3,200	R-513A	1/12	0.8/2.3	Up to 9	1/2"	1/2"	4	26" x 17" x 28"

1. All chillers are based on chilled water at 2.4 GPM/Ton and 90°F (32°C) ambient air.

2. Water-Cooled chillers based on 85°F (29°C) condensing water at 3 GPM/Ton.

Note: Electrical service - 115 V, 1 PH, 60 HZ

Pump Curve



Controls

A non-proprietary microprocessor-based controller provides dual LCD indication of your process fluid setpoint and actual temperature to ensure process control accuracy. A variety of options and accessories to meet specific customer needs are available.



Standard Features

- Air-cooled or water-cooled condensing
- Compact, portable design
- Hermetically sealed compressor
- Green friendly refrigerant
- Seal-less centrifugal magnetic drive plastic process pump
- Highly efficient brazed plate evaporator
- Heavy-duty insulated plastic tank
- Fluid level visible from outside of cabinet
- Nonferrous plumbing, components and supply pump
- 1/16 DIN non-proprietary microprocessor-based controller in easily accessible panel
- High and low refrigerant pressure switches
- Freeze stat protection
- Filter dryer
- Low pressure shut-off switch
- Supply pump pressure gauge
- Power cord
- NEMA/Type 1 electrical enclosure
- Easy-to-remove, lift-off cover allows easy access to internal components
- Heavy-duty casters for portability
- Powder-coated cabinet with side air discharge for optimum efficiency
- cULus 508A labeled electrical subpanel

Common Options and Accessories

- Alarms – audible and visual
- Automatic fill
- Control options – remote setpoint and re-transmission, communication ports
- Flow meters
- Low/high refrigerant gauges
- Overhead piping kits
- Pilot light indication (low and high refrigeration pressure, no fluid flow, and freezestat)
- Pump modifications to increase flow capacity or elimination of supply pump
- Special paint
- Strainers (process return)
- Supply and return thermometers
- Tank upgrades and modifications
- CSA certifications
- Valved process bypass
- Water filter

Product Testing and Warranty

All Mokon chillers are qualified for service by rigid, simulated field tests, and are 100% factory calibrated and run tested. Mokon offers a 1 year warranty on system and 5 years on standard microprocessor controller.

Other Mokon Chiller Products

- Iceman Single Circuit – 1 to 50 Tons, 10°F to 65°F
- Iceman Dual Circuit – 10 to 60 Tons, 20°F to 65°F
- Iceman SM – Modulating design, 5 to 15 Tons
- Iceman LT – Low temperature design, -20°F to +20°F
- Full Range – Combination heating and chilling design

Please contact Mokon for more information.



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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.

