



Efficient, Low Temperature Cooling

Mokon's Iceman LT Series portable chillers are available in air-cooled and water-cooled models with up to 12 Ton chilling capacities and operating temperatures from -20°F to +20°F (-29°C to -7°C). They feature nonferrous components and a semi-hermetic discus compressor, providing superior energy efficiency, robust operation and easy maintenance.

Another main element of Mokon's Low Temperature Chillers is the cylinder unloading/hot gas bypass feature used for capacity control, increasing the longevity of the compressor. The Iceman LT Series is green friendly, utilizing R-507 refrigerant. It comes standard with a microprocessor-based controller that ensures stable, straight-line control for extreme accuracy. Mokon's Low Temperature Chillers are ideal for jacketed vessels, reactors, laboratory, sanitary and other industrial applications.

All Mokon chillers come standard with a UL 508A (Underwriters Laboratories) labeled electrical sub-panel and meet NFPA 79 (National Fire Protection Association) electrical safety standards. The overall design provides for long life, durability and accurate process control with traditional Mokon quality and craftsmanship found throughout.



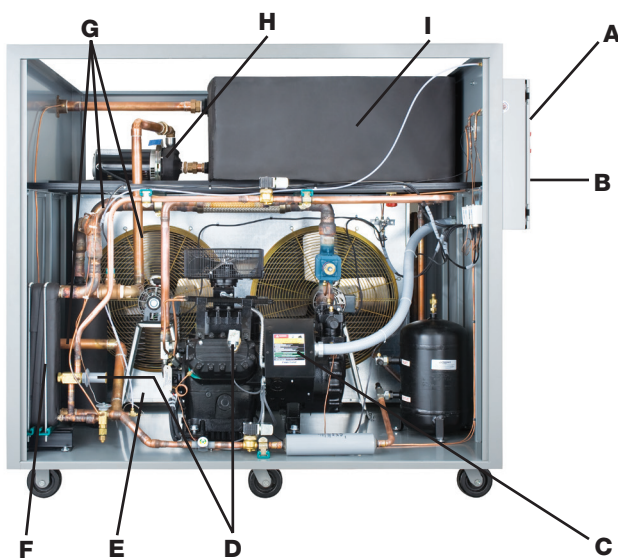
Designed to Perform. Built to Last.

ICEMAN LT SERIES

*Low Temperature
Portable Chiller*
-20°F to +20°F (-29°C to -7°C)

- **Up to 12 Ton capacities**
- **Air-cooled and water-cooled condensing**
- **R-507 green friendly refrigerant**
- **Semi-hermetic discus compressor**
- **Nonferrous components**
- **Efficient brazed plate evaporator**
- **Microprocessor-based controller**
- **UL 508A labeled electrical sub-panel**
- **Meets NFPA 79 electrical safety standards**

Efficient, Low Temperature Cooling



Standard Features

- A** Microprocessor-based controller mounted in operator-friendly orientation
- B** NEMA rated electrical enclosure with safety door disconnect switch
- C** Semi-hermetic compressor
- D** Cylinder unloading/hot gas bypass circuit
- E** Air-cooled condenser (shown) or water-cooled condenser
- F** Highly efficient brazed plate evaporator
- G** Insulated nonferrous plumbing and components (shown without insulation)
- H** Stainless steel centrifugal supply pump
- I** Heavy-duty insulated plastic tank

System standard with NFPA 79 and UL 508A labeled electrical sub-panel

Specifications – Air-Cooled

Model	Cooling Capacity (BTU/hr) ¹		Pump (Hp)	Min / Max Flow Rate (GPM)	Nominal Pressure (PSI)	Process Connection (FNPT)	Tank Size (Gallons)	Dimensions ³ (L x W x H)	Shipping Weight ³ (Approx. lbs.)
	Fluid Temp -20°F (-29°C)	Fluid Temp 20°F (-7°C)							
ALT-2	12,635	38,095	2.0	4 / 30	Up to 35	1-1/2"	68	80" x 40" x 65"	850
ALT-3	17,480	50,065	2.0	7 / 40	Up to 40	1-1/2"	68	80" x 40" x 65"	850
ALT-5	27,170	77,235	3.0	12 / 50	Up to 50	1-1/2"	68	80" x 40" x 65"	950
ALT-7.5	38,950	107,350	5.0	18 / 60	Up to 60	2"	68	80" x 52" x 65"	1300
ALT-10	48,925	141,550	5.0	24 / 60	Up to 55	2"	68	80" x 52" x 65"	1400

Specifications – Water-Cooled

Model	Cooling Capacity (BTU/hr) ²		Pump (Hp)	Min / Max Flow Rate (GPM)	Nominal Pressure (PSI)	Connections		Tank Size (Gallons)	Dimensions ³ (L x W x H)	Shipping Weight ³ (Approx. lbs.)
	Fluid Temp -20°F (-29°C)	Fluid Temp 20°F (-7°C)				Process (FNPT)	Condenser (FNPT)			
WLT-2	13,870	40,565	2.0	4 / 30	Up to 35	1-1/2"	1"	68	80" x 40" x 65"	850
WLT-3	19,000	52,915	2.0	7 / 40	Up to 40	1-1/2"	1"	68	80" x 40" x 65"	850
WLT-5	29,830	81,985	3.0	12 / 50	Up to 50	1-1/2"	1-1/2"	68	80" x 40" x 65"	950
WLT-7.5	42,750	114,950	5.0	18 / 60	Up to 60	2"	1-1/2"	68	80" x 40" x 65"	1300
WLT-10	53,675	150,100	5.0	24 / 60	Up to 55	2"	1-1/2"	68	80" x 52" x 65"	1400

¹ Air-cooled based on -20 to +20°F chilled water at 2.4 GPM/Ton and 90°F ambient air.

² Water-cooled based on -20 to +20°F chilled water at 3 GPM/Ton and 85°F condensing water.

³ Additional features, options or modifications may alter the dimensions, shape and weight of system. Standard compressor is semi-hermetic discus type.

1 Ton = 12,000 BTUs per hour / 1 kW = 1000 Watt = 3,412 BTU

Capacities based on the use of 50% water/ethylene glycol mix.

Iceman LT Chillers are available in a variety of voltages, capacities, and process fluid temperatures. Please contact Mokon for more information.

Controls

A microprocessor-based controller provides dual LCD 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 including chillers with heating options. Please contact Mokon for more information.

Product Testing & Warranty

All Mokon chillers are qualified for service by rigid, simulated field tests, and are 100% factory calibrated and run tested. 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



Designed to Perform. Built to Last.

LT 10/17 MOK7505