MOKON®

Designed to Perform. Built to Last.

miniTHERM

Circulating Water Temperature Control System Up to 250˚F (121˚C)

Small Size. Maximum Control.

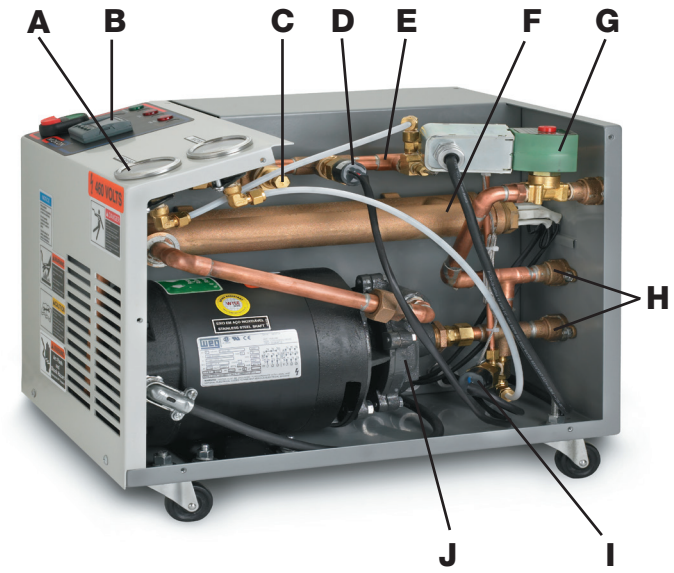
The Mokon miniTHERM circulating water temperature control system is designed to surpass today's safety standards, while providing accurate control of your process temperature. The miniTHERM's compact package fits into tight spaces and reduces floor space requirements.

To ensure operator safety, the Mokon miniTHERM comes standard with heater, motor and transformer fusing. Copper piping and brass manifold components ensure long life and durability. The Mokon miniTHERM features a unique heating manifold with individual horizontally mounted copper heaters for increased efficiency and heat transfer rates. A low pressure safety shut-off switch, high temperature safety shut-off switch and pressure relief valve further enhance system and operator safety.

The system is available with pumping and heating capacities of 9 GPM and 2 or 4 kW, for operation up to 250˚F (121˚C). Each Mokon miniTHERM is equipped with a microprocessor-based PID control as standard to assure accurate control. This portable, compact system maximizes space while providing long-lasting and reliable temperature control.

- **Ideal for small tonnage molding machine and lab applications**
- **Compact and portable**
- **Microprocessor-based controller**
- **Control panel with indicating lights for mode of operation**
- **Suction and discharge pressure gauges**
- **Small hold-up volume and energy-efficient heater design**
- **UL 508A labeled electrical sub-panel**

The Small Package with Big Benefits



Standard Features

- **A** Pressure gauges
- **B** Microprocessor-based PID controller
- **C** Pressure relief valve
- **D** High temperature safety shut-off switch
- **E** Copper piping
- **F** Brass heating manifold with copper heating elements
- **G** Solenoid cooling valve
- **H** Cast brass fluid connections securely mounted to cabinet
- **I** Low pressure safety shut-off switch
- **J** Cast iron centrifugal pump with stainless steel impeller, for temperatures up to 250°F (121°C)
- **K** Automatic air purge (not shown)
- **L** 10' power cord (not shown)

System standard with UL 508A labeled electrical sub-panel

Specifications

Model	Pump	Flow Rate & Pressure	Heating Capacity (kW)	Total 3 Phase Amps		Process Connection	Supply/Drain Connection	Cabinet Dimensions (L x W x H)	Shipping Weight
				230V	460V				
MT	1/2 hp	9 GPM up to 20 PSI	2	9	6	1/2" NPT	1/2" NPT	18" x 13-1/2" x 15-1/4"	80 lbs.
			4	16	9				

miniTHERM water systems are available in other kW capacities and voltages. 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. Typical requests include pressure regulator, cool down and automatic shut-off time delay relay, process fluid purge, valved process bypass, and other voltages. Please contact Mokon for more information.

Product Testing & Warranty

All Mokon temperature control systems are qualified for service by rigid, simulated field tests, and are factory calibrated. Mokon offers these extended warranties as standard on the Mokon miniTHERM system:

- 3 years on system
- 5 years on microprocessor controller and safeties
- Lifetime seals, piping and manifold

For more information on Mokon's miniTHERM water systems or other products, call our sales department today.

MOKON®

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