



Stainless Steel Works Harder For You

Engineered to improve accuracy, reliability of operation and increase output, the Hydrotherm has the highest quality components and construction materials in the industry.

The Hydrotherm surpasses all competitive systems by providing stainless steel as the main component for wetted surfaces. Where many of our competitors supply carbon steel and cast iron systems, only Mokon provides the Hydrotherm with stainless steel components including a stainless steel pump, heater canister and pump suction manifold.

The system is available in a variety of pumping capacities and up to 24 kW of heating capacity, with a maximum operating temperature of 250°F (121°C). The unique Mokon high efficiency heating design, found in all our systems, is replicated in this design with our two-pass stainless steel heating canister. Fluid is forced to take a designed path over the heating elements to increase heat transfer efficiency.

The Hydrotherm meets national electrical standards for machinery and comes standard with a UL 508A (Underwriters Laboratory) labeled electrical sub-panel. With a footprint of approximately 2 square feet, the system minimizes floor space requirements and offers a compact and portable design. All of these features, combined with our extended warranty, make the Hydrotherm an easy choice for delivering precise temperature control.



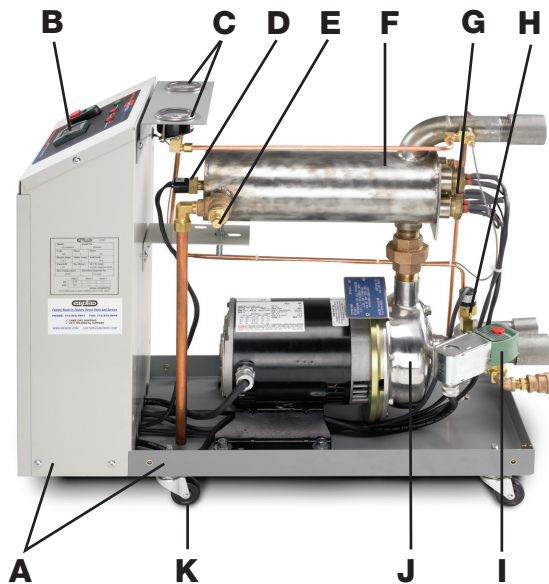
Designed to Perform. Built to Last.

HYDROTHERM II

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

- **Compact and portable**
- **Horizontal stainless steel canister**
- **Microprocessor-based controller**
- **Control panel with indicating lights for mode of operation**
- **Suction and discharge pressure gauges**
- **Improved energy efficiency, small hold-up volume and energy-efficient heater design**
- **Easy access cabinet**
- **UL 508A labeled electrical sub-panel**

Compact Control with Value-Added Features



Standard Features

- A** Epoxy powder-coated cabinetry
- B** Microprocessor-based controller in easily accessible panel
- C** Suction and discharge pressure gauges
- D** High temperature safety shut-off switch
- E** Pressure relief valve
- F** Horizontal stainless steel heater canister
- G** Copper heating elements mounted in back of canister for easy access
- H** Low pressure safety shut-off switch
- I** Solenoid cooling valve
- J** Stainless steel pump with silicon-carbide seal
- K** Casters for easy portability

System standard with UL 508A labeled electrical sub-panel

Specifications

Model	Pump	Flow Rate & Pressure	Cabinet Dimensions (L x W x H) Based on Heating Capacity*						Process Connection	Supply/Drain Connection
			3 kW	6 kW	9 kW	12 kW	18 kW	24 kW		
HZ	1/2 hp	15 gpm @ 15 PSI	27" x 11" x 24"				27" x 16" x 25"		1.25" NPT	1/2" NPT
HY	3/4 hp	25 gpm @ 26 PSI							1.25" NPT	1/2" NPT
HX	1 hp	30 gpm @ 32 PSI							1.25" NPT	1/2" NPT
HR	1-1/2 hp	40 gpm @ 32 PSI							1.25" NPT	1/2" NPT
HW	2 hp	50 gpm @ 32 PSI							1.25" NPT	1/2" NPT
HN	3 hp	60 gpm @ 34 PSI							1.25" NPT	1/2" NPT

*208 and 230 voltage rated 12 kW systems are built in a 16" wide cabinet. Multiple options may dictate a larger cabinet size. Hydrotherm systems are available in a variety of voltages and capacities. Please contact Mokon for more information.

Options

Mokon offers a variety of options and accessories to meet specific customer needs. Typical requests include audible and visual alarms, solid-state heater relay, emergency stop, power cord, process fluid purge, high/low heat switching, thermometers, 7-day/24-hour timer, valved process bypass, remote set point and retransmission, and other voltages and wattages. Please contact Mokon for more information.

E+ Energy Savings Package

- Insulated heater canister reduces heat loss by 60%
- 4-20mA PID control matches output to process demand
- SCR switching for faster response and extended heater life
- Forced ventilated cabinet extends electrical component life

Our engineers will also custom design systems to meet specific process requirements. For more information on Mokon's Hydrotherm or other products, call our sales department today.

Product Testing & Warranty

All Mokon temperature control systems are qualified for service by rigid, simulated field tests, and are 100% factory calibrated and run tested. Mokon offers these extended warranties as standard on the Hydrotherm system:

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

Delivery

As described, the Hydrotherm is built with many unmatched features and capabilities. We are so confident you will be satisfied with our design that we offer a 30-day performance evaluation plan. Mokon also stocks the Hydrotherm system for immediate delivery. Call today for your new system.

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.



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