

# HYDROTHERM

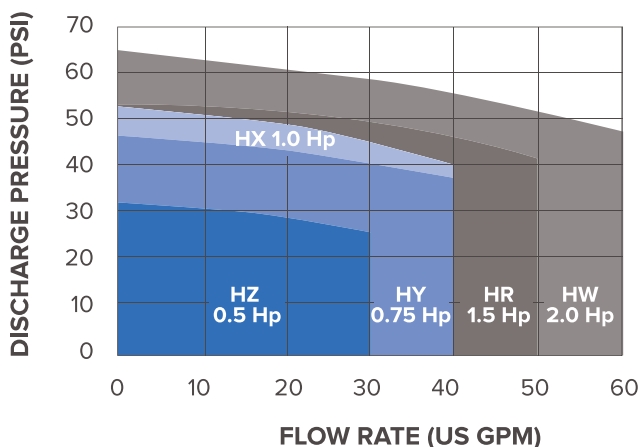
Circulating Water Temperature Control System  
Up to 250°F (121°C)



Mokon's Hydrotherm circulating water temperature control system maximizes performance with temperatures up to 250°F (121°C). The Hydrotherm has the highest quality components and construction materials in the industry by providing stainless steel as the main component for wetted surfaces.

Model	Pump	Flow Rate and Pressure	Approximate Dimensions (L x W x H)				Process Connection	Supply/Drain Connection
			3	6	9	12		
HZ	1/2 Hp	15 GPM @ 15 PSI	27" x 11" x 24"				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

## 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.

To help maintain process fluid setpoint accuracy while in the heating mode, the cooling valve will automatically open and close to allow hot fluid to exit the process loop and be replenished with cooler supply water as needed to satisfy the temperature setpoint.

A variety of options and accessories to meet specific customer needs are available.



## Standard Features

- Single zone configurations
- Compact, portable design
- Stainless steel pump, composite impeller and silicon-carbide seal
- Horizontal stainless steel heater canister with unique turbulent flow diverter
- Small hold-up volume and energy-efficient heater design
- 1/16 DIN non-proprietary microprocessor-based controller in easily accessible panel
- Low pressure shut-off switch
- Fluid high temperature shut-off switch
- Pressure relief valve
- Solenoid cooling valve
- Automatic air purge
- Suction and discharge pressure gauges
- Removable panel for easy access to heater
- Heavy-duty removable casters for portability
- Powder-coated finish
- cULus 508A labeled electrical subpanel
- Typical Voltages: 208/230/460, 3PH, 60Hz

## Common Options and Accessories

- Cool down/automatic shut off via time delay relay
- Heat remover design
- Orcinus manifolds
- Power cord
- Pressure regulator
- Process line fluid purge via air connection
- Stacking racks
- Valve process bypass

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.

## Product Testing and 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 manifold

## Other Mokon Water Products

- Minitherm – 1/2 Hp, 2 to 4 kW, up to 250°F (121°C)
- Duratherm – 3/4 to 7-1/2 Hp, 9 to 96 kW, up to 250°F (121°C)
- Dual Zone Duratherm – Two zones of control, up to 250°F (121°C)
- Duratherm HTP – 1-1/2 to 10 Hp, up to 300°F (149°C)
- Duratherm NPS – Positive and negative pressure, up to 180°F (82°C)
- Duratherm MAX – 1-1/2 to 5-1/2 Hp, up to 380°F (193°C)

## Systems in Stock

Base Hydrotherm models built to standard specifications are ready for shipment in 48 hours!

Please contact Mokon for more information.



**Designed to Perform. Built to Last.**

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