MOKON®

Designed to Perform. Built to Last.

DURATHERM HTP

Circulating Water Temperature Control System Up to 300°F (149°C)

Mokon's Duratherm HTP circulating water temperature control system maximizes performance with temperatures up to 300°F (149°C) with a required water pressure of 60 PSI. This system is ideal for restrictive process and high-temperature water applications.

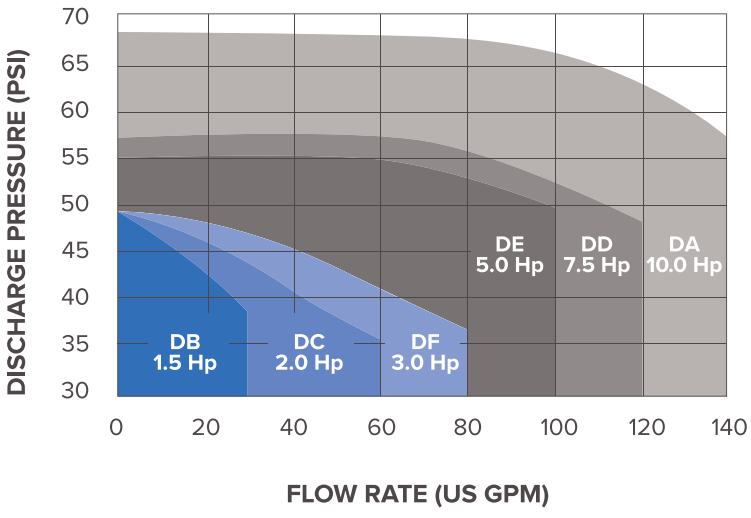
Model	Pump	Flow Rate and Pressure	Heating Capacity (kW)							Process Connection	Supply/Drain Connection	Approximate Dimensions (L x W x H)
			9	18	24	36	48	72	96			
			TOTAL AMPS*									
DB	1-1/2 Hp	25 GPM @ 50 PSI	14	26	33					1" NPT	1" NPT	32" x 17" x 28"
						48	63	93				33" x 17" x 52"
									123			37" x 25" x 39"
DC	2 Hp	40 GPM @ 50 PSI	15	26	34					1-1/2" NPT	1" NPT	32" x 17" x 28"
						49	64	94				33" x 17" x 52"
									124			37" x 25" x 39"
DF	3 Hp	60 GPM @ 50 PSI	16	27	35					1-1/2" NPT	1" NPT	32" x 17" x 28"
						50	65	95				33" x 17" x 52"
									125			37" x 25" x 39"
DE	5 Hp	80 GPM @ 60 PSI	19	30	38					1-1/2" NPT	1" NPT	32" x 17" x 28"
						53	68	98				33" x 17" x 52"
									128			37" x 25" x 39"
DD	7-1/2 Hp	100 GPM @ 60 PSI	22	34	41					2" NPT	1" NPT	32" x 17" x 28"
						56	71	101				33" x 17" x 52"
									131			37" x 25" x 39"
DA	10 Hp	120 GPM @ 70 PSI	25	37	44					2" NPT	1" NPT	38" x 17" x 28"
						59	74	104				39" x 17" x 52"
									134			37" x 25" x 39"
Dual Zone Duratherm HTP Specifications												
DG	1-1/2 Hp	25 GPM @ 50 PSI	28	52	66					1" NPT	1" NPT	33" x 17" x 52"
DJ	2 Hp	40 GPM @ 50 PSI	30	52	68					1-1/2" NPT	1" NPT	33" x 17" x 52"
DL	3 Hp	60 GPM @ 50 PSI	32	54	70					1-1/2" NPT	1" NPT	33" x 17" x 52"
DM	5 Hp	80 GPM @ 60 PSI	38	60	76					1-1/2" NPT	1" NPT	33" x 17" x 52"
DK	7-1/2 Hp	100 GPM @ 60 PSI	44	68	82					2" NPT	1" NPT	33" x 17" x 52"
DH	10 Hp	120 GPM @ 70 PSI	50	74	88					2" NPT	1" NPT	39" x 17" x 52"

* To determine the full load amps when using other 3 phase, 60 hertz voltages, apply the following multipliers to the above 460 volt, 3 phase FLA: 208 volt, 3 phase – 2.3 multiplier, 230 volt, 3 phase – 2.00 multiplier, 575 volt, 3 phase – 0.805 multiplier. For single phase, other voltages or frequencies, consult factory.

Standard Features

- Single and dual zone configurations
- Compact, portable design
- Stainless steel pump and impeller 5 to 10 Hp (composite impeller 1-1/2 to 3 Hp) 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 safety shut-off switch
- Fluid high temperature safety shut-off switch
- Pressure relief valve
- Solenoid cooling valve
- Cast brass fluid connections securely mounted to cabinet
- 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

Pump Curve



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.

Common Options and Accessories

- Alarms – audible and visual
- Atmospheric and pressurized tanks
- Closed loop circuitry
- Common supply and drain connections
- Control options – remote setpoint and re-transmission, communication ports
- Cool down/automatic shut off via time delay relay
- Cooling or chiller circuits
- Door disconnect switch (standard on some models)
- Emergency "crash" cooling control
- Heat exchangers
- Heat remover design
- Magnetic drive pumps
- Manifolds
- Manual high/low heat selector switch (standard on some models)
- Modulating valves
- NEMA/Type 4, 4X, 7, 12 and X and Z purge designs
- Other voltages, phases, frequencies
- Overhead piping kits
- Power cord (standard on some models)
- Pressure regulator
- Process line fluid purge via air connection
- Redundant heater contactor
- Remote start/stop and control panels
- Solid state contactors/relays and SCR
- Stacking racks
- Stainless steel cabinets, fluid circuits and components
- TEFC motor
- UL, CSA, CE and EAC certifications
- Valve process bypass

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 Duratherm HTP system:

- 1 year on system
- 3 years on microprocessor controller

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DHTP 4/21 MOK8095