

DIE CAST MACHINERY LLC

(847) 360-9170

World Leader in Used Die Casting Machinery!

If we can be of any assistant or if you have any questions, please don't hesitate to contact us at (847) 360-9170.

You may also visit our website at
https://www.diecastmachinery.com

Thank you!



MOKON®

Designed to Perform. Built to Last.

DURATHERM HTP

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

High Temperature. High Pressure.

Mokon's Duratherm HTP circulating water temperature control system maximizes performance with temperatures up to 300˚F (149˚C) and pressures up to 70 PSI. The Duratherm design features an advanced heating canister and stainless steel diverter, which create a forced flow path for higher heat transfer rates.

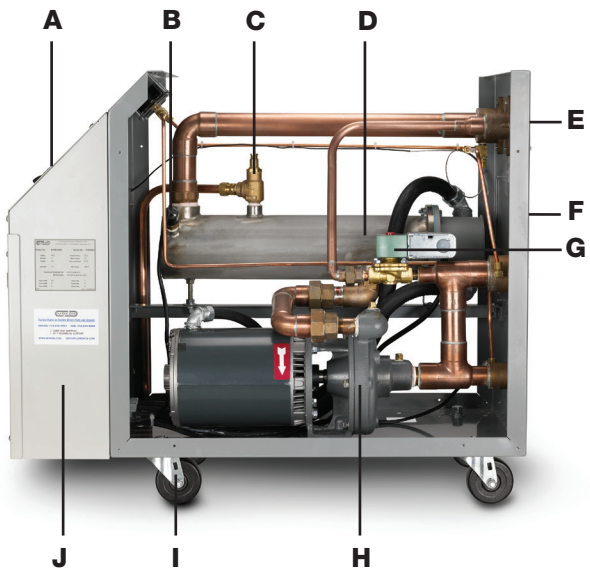
The Duratherm HTP has a similar construction to our standard Duratherm design utilizing nonferrous and stainless steel materials of construction, but with a cast iron pump fitted with a brass impeller. The number of piping connections has been reduced to ensure leak-free operation and the compact design makes it easy to move the Duratherm HTP wherever it is needed most.

Multiple sizes and configurations of the Duratherm HTP are available, including single and dual zone control, pumping capacities up to 10 hp and heating capacities that range from 9 to 96 kW. There are a variety of cooling methods from which to choose, as well as an optional brass pump for a completely nonferrous system.

All Duratherm systems come standard with a UL (Underwriters Laboratories) labeled electrical sub-panel and NFPA 79 (National Fire Protection Association) electrical standards. Systems include motor, heater, and transformer fusing and wiring practices to ensure operator safety.

- **Single and dual zone configurations**
- **Compact and portable**
- **Ideal for restrictive process and high temperature water applications**
- **Cast iron pump with brass impeller and carbon ni-resist seal**
- **Horizontal stainless steel canister**
- **Small hold-up volume and energy-efficient heater design**
- **Microprocessor-based controller**
- **UL labeled electrical sub-panel**
- **Meets NFPA 79 electrical safety standards**

We Heat, Cool, Control and Never Wear Out!



Standard Features

- **A** Microprocessor-based controller in easily accessible panel
- **B** Fluid high temperature safety shut-off switch
- **C** Pressure relief valve
- **D** Horizontal stainless steel heater canister with unique turbulent flow diverter
- **E** Cast brass fluid connections securely mounted to cabinet
- **F** Removable panel for easy access to heater (not shown)
- **G** Solenoid cooling valve
- **H** Cast iron pump for temperatures up to 300˚ F (149˚ C)
- **I** Heavy-duty removable casters for fixed location or portability
- **J** Powder-coated finish
- **K** Low pressure safety shut-off switch (not shown)

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

Specifications

Model	Pump	Flow Rate & Pressure	Heating Capacity							Process Connection	Supply/Drain Connection	Cabinet Dimensions L x W x H
			9 kW	18 kW	24 kW	36 kW	48 kW	72 kW	96 kW			
			Total Amps*									
DB	1-1/2 hp	25 GPM up to 60 PSI	14	26						1" NPT	1" NPT	28" x 16" x 25"
					33							32" x 17" x 27.5"
						48	63	93				33" x 17" x 52"
									123			37" x 25" x 39"
DC	2 hp	40 GPM up to 60 PSI	15	26	34					1-1/2" NPT	1" NPT	32" x 17" x 27.5"
						49	64	94				33" x 17" x 52"
									124			37" x 25" x 39"
DF	3 hp	60 GPM up to 60 PSI	16	27	35					1-1/2" NPT	1" NPT	32" x 17" x 27.5"
						50	65	95				33" x 17" x 52"
									125			37" x 25" x 39"
DE	5 hp	80 GPM up to 70 PSI	18	29	37					1-1/2" NPT	1" NPT	32" x 17" x 27.5"
						52	67	97				33" x 17" x 52"
									127			37" x 25" x 39"
DD	7-1/2 hp	100 GPM up to 70 PSI	21	32	40					2" NPT	1" NPT	32" x 17" x 27.5"
						55	70	100				33" x 17" x 52"
									130			37" x 25" x 39"
DA	10 hp	120 GPM up to 70 PSI	25	36	43					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 up to 60 PSI	28	51	66					1" NPT	1" NPT	33" x 17" x 52"
DJ	2 hp	40 GPM up to 60 PSI	29	52	67					1-1/2" NPT	1" NPT	33" x 17" x 52"
DL	3 hp	60 GPM up to 60 PSI	31	54	69					1-1/2" NPT	1" NPT	33" x 17" x 52"
DM	5 hp	80 GPM up to 70 PSI	35	58	73					1-1/2" NPT	1" NPT	33" x 17" x 52"
DK	7-1/2 hp	100 GPM up to 70 PSI	41	64	79					2" NPT	1" NPT	33" x 17" x 52"
DH	10 hp	120 GPM up to 70 PSI	49	71	86					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.

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.

MOKON®

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