

Mini-Aquatherm RMC Series

Water Temperature Controller

Benefits:

- **Familiar Look:** Offers the same functionality as the Aquatherm RQT Series but in a compact footprint.
- **Compact, Low Profile:** Is 42% smaller and 22% shorter than RQT Series units. At just over 14-inches tall, it's one of the smallest TCU's available in the industry and will fit in applications where others will not.
- **PLC Control:** The Mini-Aquatherm RMC Premium¹ features color touch screen control, solid state relays, pressure transducers, phase detection, seal saver auto cool stop, intelligent air purge, deviation warnings, recipes, KPI trending, remote start/stop and communications across Modbus TCP/Ethernet, OPC/UA, SPI and RS-485.
- **Long Life Heaters:** Incoloy sheathed heater elements for the best combination of performance and longevity with better corrosion resistance than copper or stainless steel heaters.
- **Adaptive Maximum Set Point:** Let your cooling water supply pressure determine the unit's maximum setpoint up to 250°F (121°C).
- **Phase Detection¹:** Know immediately if your incoming power is phased correctly. Monitor incoming 3-phase electrical power for problems (reverse phase rotation, missing phase, low leg, etc).
- **Warranty:** 3 year parts and labor.



Tight on space? The new Mini-Aquatherm RMC Series delivers the same precise temperature control as the Aquatherm RQT Series but in a compact footprint. At just over 14-inches tall, it is 22% smaller, making it ideal for applications where other units won't fit.

This single-zone units provide precise temperature control for your process, heating or cooling water between 40°F and 250°F

(4°C and 121°C). Choose from two pump sizes (1/3 hp or 1/2 hp) and two heater sizes (3kW or 6kW) to match your specific needs.

For user-friendly navigation, the RMC Series uses the same control options as the RQT Series. Choose the standard control for a reliable and efficient experience or upgrade to the premium option with a 4-inch full-color touch screen with added visual alerts.

¹ Option available only on the Mini-Aquatherm RMC Premium.

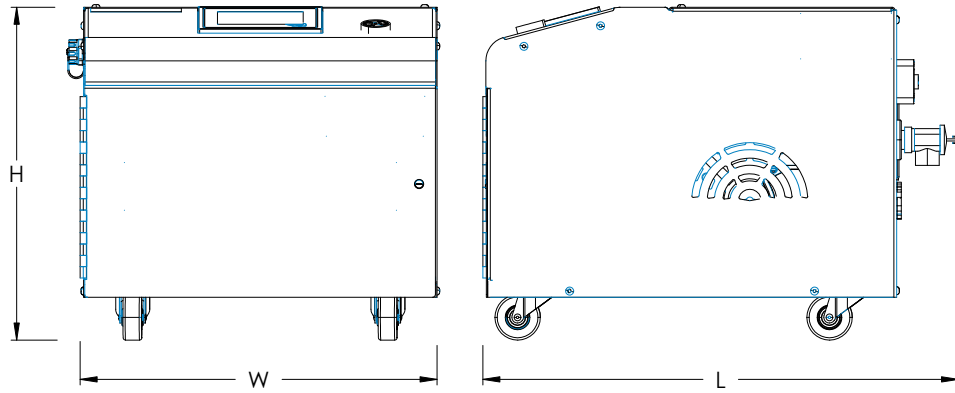


SPECIFICATIONS

Description of Functions	Model	
	RMC Standard	RMC Premium
Direct Injection	•	•
Construction		
208-230V ¹ , 460V	•	•
Pump Range	1/3 HP & 1/2 HP (0.25 & 0.37 kW)	1/3 HP & 1/2 HP (0.25 & 0.37 kW)
Heater Range	3 kW & 6 kW	0 kW, 3 kW & 6 kW
Cast Heater / Pump	•	•
Incoloy Heaters	•	•
Heater Contactors	Electromechanical	Solid State Relays
Pressure Gauges	•	Pressure Transducers
Disconnect	N/A	○
250°F (121°C) Setpoint	•	•
UL 508A Panel	N/A	○
Controls		
Interface	LCD Screen	Touchscreen
PID Control	•	•
Setpoint and Actual Display	•	•
Choice of Control Points	N/A	•
Password	N/A	•
Phase Detection	N/A	•
Mold Purge	○	○
Seal Saver	N/A	•
Intelligent Air Pure	N/A	•
Auto-Restart	N/A	•
Deviation Alarm	•	•
Welded Contactor Detection	•	•
Recipes	N/A	•
Data Logs and Charting	N/A	•
Comms / External Interface		
Modbus TCP via Ethernet	N/A	•
OPC / UA	N/A	•
SPI via RS-485	N/A	•
Retransmit Process Temp (4-20mA)	N/A	•
Remote Start / Stop	N/A	•
Status / Alarm Lights		
Audible Alarm	N/A	•
Visual Alarm	N/A	○

Legend: Included = • Optional = ○ Non Applicable = N/A

¹The 6kW is not available for 208-230V.



TECHNICAL DATA

Model	Pump hp (kW)	Heater (kW)	Pump Capacity		Dimensions L x W x H inch (mm)	Ship Weight lbs (kg)
			GPM (l/min)	PSI (bar)		
RMC0303	1/3 (0.25)	3	10 (38)	15 (1.0)	18 x 16 x 15 (457 x 396 x 373)	130 (59)
RMC0305	1/2 (0.37)	3	25 (95)	13 (0.9)	18 x 16 x 15 (457 x 396 x 373)	130 (59)
RMC0603	1/3 (0.25)	6	10 (38)	15 (1.0)	18 x 16 x 15 (457 x 396 x 373)	130 (59)
RMC0605	1/2 (0.37)	6	25 (95)	13 (0.9)	18 x 16 x 15 (457 x 396 x 373)	130 (59)

ELECTRICAL DATA

Model	Rated Voltage FLA @ 208	Rated Voltage FLA @ 230	Rated Voltage FLA @ 460	Rated Voltage FLA @ 575
RMC0303	5.2	5.2	5.2	N/A
RMC0305	5.5	5.5	5.5	N/A
RMC0603	N/A	N/A	9.7	N/A
RMC0605	N/A	N/A	10.0	N/A

