



Temperature Controllers

Aquatherm RQT
Family

Where water
means business.



The THERMAL CARE Temperature Controller Family

THERMAL CARE offers a suite of powerful and efficient mold temperature controllers. Each unit is reliable, easy to operate, and built for dependable operation using an assortment of quality components.

Aquatherm RQT

Up to 48 kW and 10 HP

Advanced PLC Controls

Easy-to-operate precision controls available in three different options with comprehensive operation and diagnostic displays

Extend Product Life

Available *Seal Saver* auto cool-down program sequence extends pump seal life

Leak Prevention

Heavy-duty cast-iron pumps, heater tubes, and mixing tubes with O-ring seals reduce threaded fittings that can cause internal pressure losses and are prone to leaks

Dual Zone Option

Controls different process temperatures on each mold half



Aquatherm RQT
Dual Zone

Stacking Rack Option

Holds two independent single zone temperature controllers in a compact space



Aquatherm RQT
Stacking Rack



Stable & Precise Operation

24 VDC control circuit power isolates the control circuit from static interference

Extreme Efficiency

High-flow pumps provide more flow for faster cooling and better cycle times; silicon carbide pump seals are standard

Extensive Options

Wide range of high-flow pumps, heaters, modulating valves, and other options to meet every need

**Our sales and support teams are ready!
Give us a call today 847-966-2260**

Featured Packed Aquatherm RQT PLC Options

Three different PLC options ensure exact temperature control of your process with the level of features required.

All three PLC options are easy to access, view and operate with detailed key features including:

- Set point and actual temperature
- Pump running hours display
- Temperature deviation and alarms
- Adjustable alarm delay time
- Heater contactor life cycle counter

The RQT Advanced PLC is similar to the standard controller but with substantially greater performance options including:

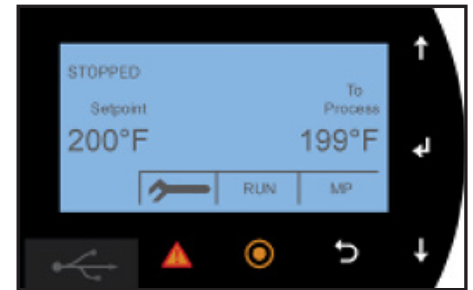
- Remote start
- Estimated flow display and alarms
- Supply temperature and return temperature
- Control power voltage readings
- Operation mode status
- Digital pressure
- Intelligent air purge
- Remote set point
- Modbus RTU communication

The RQT Premium PLC with HMI is a touch screen and comes with almost limitless available data including:

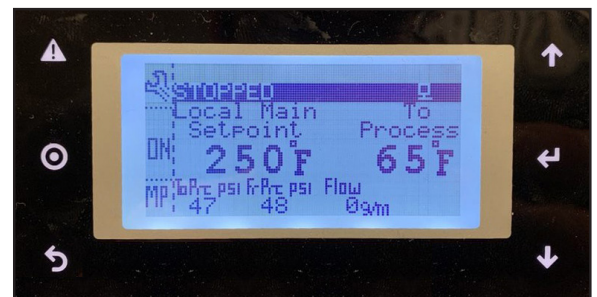
- Digital flow
- Digital pressure
- Adaptive set point up to 300°F
- Recipes
- 3-Phase monitor
- Trending charts and data logs
- Adaptive pressure relief
- Modbus TCP/IP & OPC/UA communications

Easily view alarms, warnings and indicators for:

- Heat error for heater malfunction
- Supply and return temperatures
- Pump running hours
- Power brownout
- Control power on
- Onboard IO Diagnostics and Testing
- Supply temperature probe fault
- Return temperature probe fault
- Pump on
- Pump overload
- Heat on
- Cooling on
- Low coolant inlet pressure
- High and low temperature limit warnings and alarms



RQT Series Standard PLC Controller



RQT Series Advanced PLC Controller



RQT Series Premium PLC Controller

THERMAL CARE is the industry expert and value leader in process cooling solutions. Built on over 50 years of experience and backed by an unmatched sales and support network, **THERMAL CARE is the name that says it all.**



Our History

Starting in 1969, THERMAL CARE continues to be on the leading edge of process cooling technology with energy saving and cost efficient product designs. While providing heat transfer equipment to more than 50 industries, THERMAL CARE specializes in meeting the specific needs of all customers by offering both standard and custom designed industrial process cooling solutions.

Whether you need a portable or packaged chiller, a plant-wide system, or help troubleshooting a problem, THERMAL CARE is here to help you through every step of the process.



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Customer Support

Our customer service reps are trained technicians that can promptly diagnose a problem over the phone. They have direct access to information about all of your equipment including bills of material, CAD drawings, and equipment service history through our database. If a plant visit is needed, THERMAL CARE has an extensive network of service companies that can usually provide same day service.

Our parts department has over \$8.4 million in parts inventory ready to ship.



THERMAL CARE is ISO 9001 Certified

Manufacturer reserves the right to change specifications or design without notice or obligation.

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