OPERATION

INSTALLATION:

Fluid connections: There are four (4) convenient and clearly marked connections; "Supply Water," "To Process," "From Process" and "Drain Water". Use full size unrestricted high temperature hose or pipe rated for the proper pressure and temperature.

Electrical Connections: Install power cord to disconnect or power distribution block. Be certain supply voltage is equal to unit voltage as listed on the serial tag.

START UNIT:

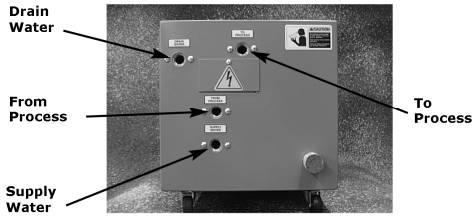
- Open all valves to supply, drain, and process connections
- Turn on main power
- Check phase, rotation should be clockwise from motor end of pump
- Set temperature to the lowest setting and let unit run to purge air from system. To adjust factory default, see manual.

SHUT DOWN UNIT:

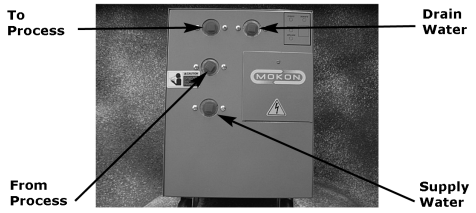
- Adjust temperature setting to 40°F
- Allow unit to cool to below 125°F
- Press stop button

The water and main electrical power to the Mokon Temperature Control System may be turned off if desired but is not necessary unless the system is being relocated or for prolonged shut down.

STANDARD CONNECTION LAYOUTS*



Minitherm Series



Duratherm and Duratherm HTP Series

Hydrotherm II Series

***Typical connections are shown. Follow labels on back of the unit for proper installation.**

TROUBLESHOOTING

Unit will not start:

1. System unplugged / power off
2. Low pressure on supply side (water off)
3. Overload on pump/motor starter
4. Improper power source wiring

Unit shuts down:

1. Water supply pressure too low
2. Motor overload tripped
3. High temperature limit open

Unit overheats:

1. Drain line obstructed
2. Drain valve faulty
3. Improper controller tuning
4. Faulty heater contactor

Unit under heats:

1. Check for blown fuses
2. Debris in cooling solenoid
3. Heater burnout
4. Losing process fluid
5. Kilowatt capacity inadequate

<u>CAUTION:</u> This document should only be used as a guide. The operator and installer must read the manual provided on the CD.

Design is the Difference sm

At Mokon, it's about more than just engineering products – it's about engineering performance. You'll see why design is the difference in our full line of Circulating Water Systems. Designed with the highest quality components to offer long-lasting performance and accurate temperature control, Circulating Water Systems feature:

- ***Most energy efficient heater design***
- ***Nonferrous construction of internal components***
- ***Microprocessor controls***
- ***Compact and portable designs***
- ***UL 508A labeled electrical sub-panel***
- ***NFPA 79 electrical safety standards***
- ***Precise temperature control up to 250℉ (300℉ for the Duratherm HTP system)***
- ***Custom options to meet your specific needs***

About the CD

The CD contains a complete manual for Standard Minitherm, Hydrotherm II, Duratherm, and Duratherm HTP Systems.

The files on this CD are provided in .PDF format for easy viewing using Adobe Acrobat Reader. We have provided on the disk a copy of Adobe Acrobat for your convenience.

If you have any questions regarding the use of the unit, the CD, or if you wish to obtain a hard copy of the manual please contact the Mokon Service Department at 716-876-9951 or email custserv@mokon.com.

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MOKON

miniTHERM
HYDROTHERM II
DURATHERM
DURATHERM HTP

Circulating Water Temperature Control Systems

QUICK START REFERENCE GUIDE

OPERATION, INSTALLATION, AND TROUBLESHOOTING FOR STANDARD MINITHERM, HYDROTHERM II, DURATHERM, AND DURATHERM HTP SYSTEMS

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MADE IN USA

MOK7000 3/6/15