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. Be certain supply voltage is equal to unit voltage as listed on the serial tag.

Fill Reservoir: Fill with fresh Heat Transfer Fluid from an unopened drum, to a level of ¾ full on sight glass. Proceed to start unit and purge air, filling reservoir to maintain a ¾ level in the sight glass.

START UNIT:

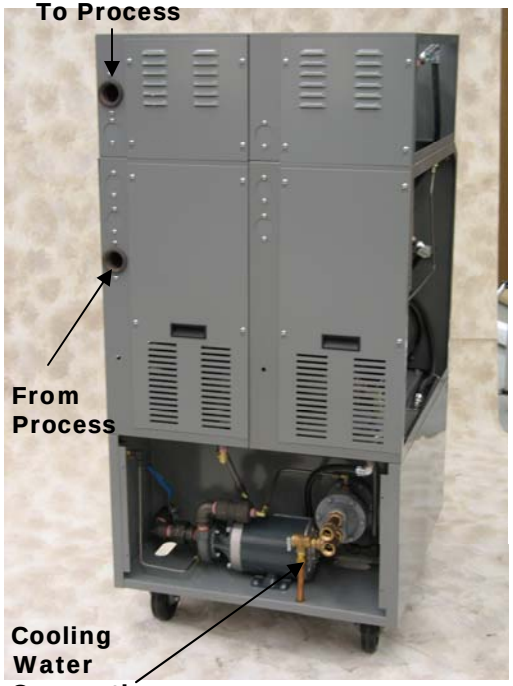
- Open all valves to supply, drain, and process connections.
- Turn on main power.
- Check phase, rotation should be clockwise from motor end of pump.
- Hold start button in until pressure rises on discharge pressure gauge.
- Set temperature to the lowest setting and let unit run for at least 3 minutes to purge air from system.

SHUT DOWN UNIT:

- Adjust temperature setting to 75°F
- Allow unit to cool to below 150°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*



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

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

TROUBLESHOOTING

Unit will not start:

1. System unplugged / power off
2. Low pressure on process return side.
3. Overload on pump/motor starter
4. Improper power source wiring.

Unit shuts down:

1. Oil discharge 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. Water to reservoir turned off.

Unit under heats:

1. Debris in cooling solenoid.
2. Kilowatt capacity inadequate.
3. Heater burnout.
4. Loosing process fluid.

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 Heat Transfer Fluid Systems. Designed with the highest quality components to offer long-lasting performance and accurate temperature control, Mokon Heat Transfer Fluid Systems feature:

- ***Most energy efficient heater design***
- ***Continuous flow "cool oil" reservoir design***
- ***Microprocessor controls***
- ***Welded construction to minimize threaded connections***
- ***UL labeled electrical sub-panel***
- ***NFPA 79 electrical safety standards***
- ***Custom options to meet your specific needs***

About the CD

The CD contains a complete manual for Standard HF-2 Series 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.

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MOKON

HTFSystem

Heat Transfer Fluid
Temperature Control Systems
HF-2 Series

QUICK START REFERENCE GUIDE

OPERATION, INSTALLATION, AND TROUBLESHOOTING FOR STANDARD HF-2 SERIES SYSTEMS

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