



ZG Series Water Temperature Control Units

Reference Manual (PN: 682.98752.02) for
Complete Operation and Installation Instructions

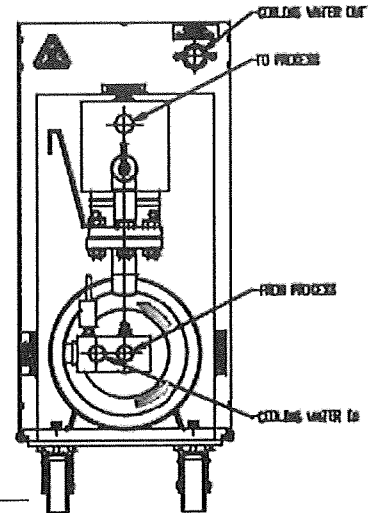
Safety Concerns



Quick start Installation Checklist

(Refer to main manual for complete installation instructions).

1. Connect 3-phase power based on nameplate data.
The TCU is equipped with a Phase detection monitor.
If 3-phase power is incorrectly installed, the unit will not start and a Red pilot light will be on indicating "Phase Incorrect."
Phase Detection will assure Correct Pump Rotation
2. Install properly sized plumbing between temperature control unit and primary processing equipment (supply and return).
3. Install properly sized plumbing between temperature control unit and cooling water supply and return. Cooling water supply must be at least 110 kPa/1.1bar (16 psi) for 121°C (250°F) configuration.



Unit Operation

(Refer to main manual and controller manual for complete operating instructions).

Start Up

1. Push the **ON/OFF** rocker switch to the **ON (I)** to energize the unit and begin the temperature control cycle.
The switch will be illuminated whenever the unit is on.
2. The unit will automatically vent for approximately one minute.
3. If needed, press and hold the vent button to purge any additional air from the process loop.
4. Set process temperature (**PV**) by pressing the **Up Arrow** or **Down Arrow** keys.
5. The set point temperature will blink until locked in by pressing the **SET** key.
6. If the unit does not maintain its process value, allow your process to reach the set point temperature.

Then Auto-Tune the controller

Press **F1** key to initiate Auto-Tune. During Auto-Tune operation the **AT** Led will turn on and remain on until complete. Allow Auto-Tune to finish running to complete fine-tuning of your process.

To discontinue Auto-Tune Operation Press **F2** to turn off.

Shut Down

1. Adjust set point below 150° F (66° C). Allow unit to stabilize.
2. Push ON/OFF rocker switch to the OFF (O) position to de-energize the unit.

Standard Controller

