

TP-TANK Recirculating Coolant System

Instruction Manual



Equipment	Recirculating Coolant System
Model	TP-TANK
Electrical Requirements	110/220 Volts
Frequency	50/60 Hz
Motor Horsepower	0.10 hp (75 KW)
Manual Revision Date	August 8, 2025

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5. PAYMENT

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7. MISCELLANEOUS PROVISIONS

This agreement has been made in and shall be governed by the laws of the State of Arizona. All disputes arising under or relating to the purchase of the equipment shall be brought and resolved solely and exclusively in the State of Arizona, Pima County. These terms and conditions and the description of the Products on the reverse side hereof or in any proposal submitted herewith constitute the entire agreement and understanding of the parties concerning this sale and supersede all prior and contemporaneous agreements or understandings, inducements or representations, expressed or implied, written or oral, between the parties with respect hereto. Any term or provision of this Agreement may be amended, and any observance of any term of this Agreement may be waived, only by a writing signed by the party to be bound. The waiver by a party of any breach shall not be deemed to constitute a waiver of any other breach. Should suit be brought on this Agreement, the prevailing party shall be entitled to recover its reasonable attorneys' fees and other costs of suit including costs and attorneys' fees incurred on appeal or in collection of any judgment., errors, or shortage in Products delivered shall be made by Customer in writing within such five (5) business day period. Failure to make any claim timely shall constitute acceptance of the Products.

8. RESTOCKING FEE

All returns are subject to a restocking charge equal to 15% (fifteen percent) of the Invoice, unless the Goods are proven to be non-conforming by PACE Technologies.

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1.0 Product Overview

The TP-TANK is designed to cool heated water drained from TP-7100S and TP-7500S units after the mounting process and recirculate it back to the TERAPRESS. Equipped with a chiller system (radiator + fan) and a closed water cycle, it provides a cost-effective, environmentally friendly, and portable cooling solution for TERAPRESS and similar equipment.

1.1 Technical Specifications

Cooling	Programmable
Pump	1.3 GPM (5 L/min)
Tank Volume	14 gallons (53 liters)
Electrical	110V or 220V 50/60 Hz
Dimensions (W x D x H)	31.5 x 16.5 x 25-inch (800 x 450 x 635 mm)
Weight	30 lbs (13.6 kg)

2.0 Equipment Handling & Setup

2.1 Installation

Install the unit carefully! Improper installation voids the warranty.

2.2 Power Connection

- Remove the power adapter from the packaging and connect it to the supplied power cord.



- Plug the power cord into a standard electrical outlet (110/220V).
- Connect the male DC adapter plug to the TP-TANK's power input port.



- Verify voltage on nameplate.
- Verify the direction of rotation of the cut-off wheel. The wheel should turn from top to bottom as viewed from the front of the machine. If not, reverse any two of the 3-phase power wires.

2.3 Drain Hose

- Insert the high-temperature drain hose through the black cable gland on the TP-TANK.



- Ensure the hose extends a few inches inside the tank.
- Tighten the gland to securely hold the hose in place.

2.4 Water Supply Connection

- Connect the water supply tube from the TERAPRESS to the push-to-connect fitting on the TP-TANK.



2.5 Initial Water Fill

- Verify that the tank valve is in the closed position.
- Fill the tank with clean water before operation.

3.0 Start-Up and Operation

3.1 Control Panel

The TP-TANK uses a segmented LED HMI display to show water temperature, timers, and operational settings.

Press the SET button to cycle through the four available modes:



A. Standard Mode (*Default Start-Up Mode*)

- **Red LED (center):** Displays the current water temperature inside the tank.
- **Green LED (top left):** Displays the Start Temperature—the maximum temperature at which the chiller activates.
 - Adjustable with the START TEM buttons (lower left of panel).
 - Always set higher than the stop temperature.
- **Green LED (top right):** Displays the Stop Temperature—the minimum temperature at which the chiller deactivates.
 - Adjustable with the STOP TEM buttons (lower right of panel).
 - Always set lower than the start temperature.



B. F1 - Alternating Cycle Mode

- The radiator system runs for a set ON time (minutes) shown on the left green LED, adjusted with the START TEM buttons.
- It then turns OFF for a set time (minutes) shown on the right green LED, adjusted with the STOP TEM buttons.
- This cycle repeats continuously.

**C. F2 – Timer Off Mode**

- The radiator runs for a set duration, then shuts off permanently until reprogrammed.
- **Left green LED:** Hours (adjusted with the START TEM buttons).
- **Right green LED:** Minutes (adjusted with the STOP TEM buttons).

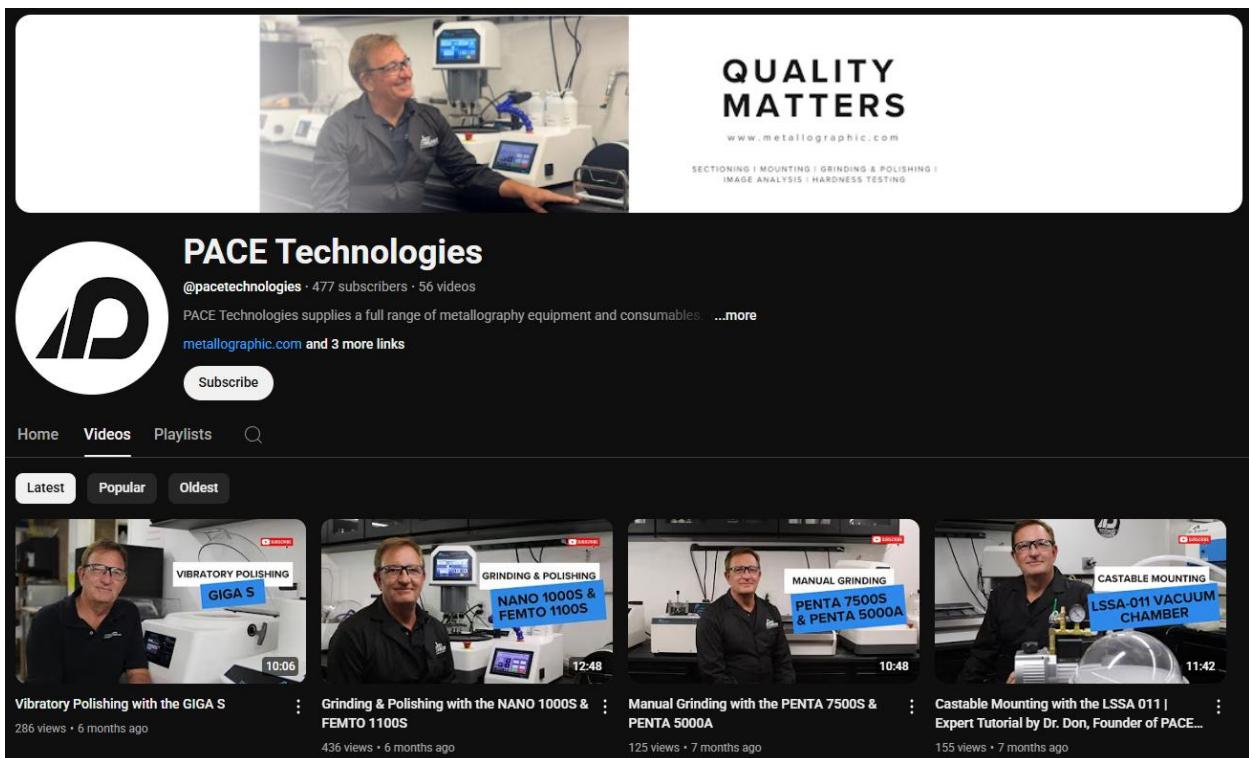
**D. F3 – Timer On Mode**

- The radiator remains off for a set duration, then turns on permanently until reprogrammed.
- **Left green LED:** Hours (adjusted with the START TEM buttons).
- **Right green LED:** Minutes (adjusted with the STOP TEM buttons).



4.0 YouTube Video Tutorial

YouTube Tutorials at youtube.com/@pacetechnologies or click on the image below:



5.0 Additional Resources

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