

TRIUMPH TANKLESS WATER CHILLER

Installation and Operation Manual

A&M Bakery Doctors

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INTRODUCTION

The Triumph Water Chiller's revolutionary design supplies pinpoint temperature-controlled water without the bulky tank that accompanies traditional chillers. Instead, the Triumph Water Chiller provides an unlimited, continuous stream of either cold or hot water—with no need to refill.

INSTALLATION

Installation is five easy steps:

Inspection

Like any product, the Triumph Water Chiller can be damaged during shipment. Please inspect the chiller crate before it is unloaded or opened, note any damage, and have the driver sign the bill of loading.

Safety

To avoid death or serious injury, all electrical and water connections should be performed or overseen by a trained specialist.

Location

The Triumph Tankless Water Chiller is meant for use indoors in temperatures over 40 degrees and below 77 degrees Fahrenheit. It should not be assembled, stored, or operated in an area open to the elements.

Design Features:

- Provides unlimited quantity of water chilled to 40-43 degrees Fahrenheit.
- No bulky water tank.
- Saves energy by chilling only when you need it.
- Bacteria free closed-circuit.
- Environment friendly R404a coolant.
- Multiple fail-safe mechanisms prevent coil from freezing.

Air-flow is essential to proper functioning. Do not place the Chiller closer than 12 inches to any wall. For optimal use, place the Chiller as close as possible to (but at least 12 inches away from) the equipment intended to receive the chilled water.

Electrical Data:

- 2.5 HP/3.25 HP
- 208V/230V
- 1PH/3PH
- 60 HZ
- Max Fuse - 30A

Water Piping

The Triumph Water Chiller requires two plumbing connections: incoming tap water and outgoing chilled water.

First, connect the Chiller to the 1/2 inch inlet water. Incoming tap water should be set to a water pressure of 65 to 70 PSI.

Full-flow shut off valve and union is recommended.

Second, the chilled water supply should be connected to the chilled water outlet (or water meter). Installation does not require refrigeration work.

In order to maintain desired water temperature, all pipes must be properly insulated from the Chiller to the point of use.

Start Up

Once the inlet and outlet piping is properly connected, you are ready to open the shut-off valve. Once opened, turn the power “on.” The Chiller will begin to work for approximately one minute and then stops. Once the Chiller stops:

- Input desired temperature and flow rate on your water meter.
- Start the water meter. The Chiller should start automatically when water begins to flow.
- The Chiller will continue working until approximately one minute after the flow of water is stopped.

Measurements:

- 29” Length
- 37” Width
- 27” Height

Shipping Weight:

- 475/505 lbs.

Programming

All programming is set up in the manufacturing process. Do not set desired temperature below 34 degrees Fahrenheit.

COMPONENT DIAGRAM



1: Heat Exchanger
2: Refrigerant Tank
3: Compressor

4: Electrical Panel
5: Control Panel with PLC
6: Condenser with Fan Motor

MAINTENANCE

The Triumph Tankless Water Chiller is low-maintenance equipment. However, for best results and longevity of the machine, please clean the refrigeration unit with high pressure air to keep it free from dust and flour.

