



# Triumph Automatic Water Meter

## THE HEART OF ARTISAN BAKERIES™

Responding to bakeries, pizzerias, and confectionery companies demand for the accurate dosage and temperature of water, A & M Bakery Doctors has created Triumph, the first fully automatic water-meter. The Triumph Water Meter provides for exceptional control- from manually setting water dosage and temperature, to creating recipes with set water amounts, to selecting from a list of preset recipes. A precise calibration system controlled by a PLC guarantees that temperature deviation will never exceed one degree Fahrenheit and volume deviation will never be more than one percent off the set amount.

All the controls on the Triumph Water Meter are located on a user-friendly LCD screen, which also displays the information about the process, such as water temperature and the amount of water already dispensed. All parameters are customizable to suit a customer's needs. Water doses can be measured in gallons, liters or pounds. The temperature can be set in degrees Fahrenheit or Celsius.

On the manual screen, the user has an option to set the desired amount of water at a set temperature and the PLC will control the inflow. On the recipe screen, the user can create a list of recipes with pre-determined water amounts and temperatures and later select from the list.

The Triumph Water Meter can be customized with one or two water valves for either economical or automatic water



control. With economical water control, the user can conserve water (and save money) by using the water from the meter even before it reaches set temperature. With automatic control, the water is drained from the meter until it reaches the desired temperature and is then automatically dispensed in the mixer at the desired temperature.

The water meter is also equipped with the power-saving features, switching to the stand-by mode if not used for 30 minutes.

**The Triumph Water Meter is a great tool allowing for control and consistency of water delivery for all mixing applications.**

### Technical Specifications

<b>Weight</b>	<b>35 Lb</b>
<b>Size H x W x D</b>	<b>12" x 14" x 8"</b>
<b>Power supply</b>	<b>110-220V/ 60-50Hz</b>
<b>Pipe size</b>	<b>½" &amp; ¾"</b>
<b>Ambient Temperature</b>	<b>+1°C-+50°C/32°F- 122°F</b>
<b>Measurement of Temperature</b>	<b>0-80°C/40°F-176°F</b>
<b>Accuracy</b>	<b>+ - 1°F/ 0.5°C</b>
<b>Temp. water supply</b>	<b>80°C Max/ 176°F Max</b>
<b>Volume Range</b>	<b>½" – 0,2- 10 gal/min flow</b>
	<b>¾" – 0,2- 18 gal/ min flow</b>
<b>Recommended water pressure</b>	<b>50-70 psi</b>

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## Summary of Water Meter Instructions:

- **TRIUMPH fully automatic water meter** guarantees the precise inflow of water at a set temperature. The control of the inflow is regulated by a program installed on the PLC. The water meter can be operated from the manual screen as well the recipe screen.
- On the manual screen, the user has an option to set the desired amount of water at a set temperature and PLC will control the inflow. For the recipe screen, the user has an option to create a list of recipes with pre-determined water amount and temperatures. The user then can select the desired recipe from the list.
- The TRIUMPH water meter has an exceptionally precise calibration system which depends on the water pressure. All parameters are preset by the manufacturers of the water meter. Verification and recalibration may be required after the installation.
- Water inflow can be set in gallons, liters or pounds. The temperature can be set in degrees Fahrenheit or Celsius.
- The Triumph water meter can be manufactured with one or two water valves.
- To adjust the actual water temperature to the required setting for the water meter with one valve, you can use the "FLUSH" button. The water will go through the drain system and stop after reaching required temperature. After this, put the hose into the mixer and push the "START" button.
- To adjust the actual water temperature to the required setting for the water meter with two valves (bypass) you can use the "START" button and the water will be drained until it is adjusted to the required temperature and then the second valve will be opened and the water will be delivered to the mixer.
- The manufacturer recommends filters for cold and hot water.
- If the water meter remains idle for 30 minutes, it will automatically switch to the stand-by cycle.
- To turn on the water meter, the user need only tap the touch screen.