



# DipTank

**owner's manual** EN V1.0



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Dear user, please read this manual carefully before operating the equipment, proper use is very important to prevent damage to the machine and personal injury. The potential dangers during operation and maintenance of the equipment are described through symbols in this manual. The following symbols are used in the text for your reference.



**Safety warning:** *This symbol indicates a safety precaution to be taken to eliminate equipment malfunction and protect your personal safety.*



**Notes:** *This symbol represents the basic information of the equipment and methods or techniques used by the user.*

*The manufacturer has reviewed the contents of this manual and it can't be guaranteed that the contents are exactly the same as the actual situation due to human error. Reviews will be made periodically to make necessary corrections and update accordingly. If you have any concerns about the performance or operation of the equipment after referring to this manual, please contact your distributor prior to use.*



*We are not responsible for any equipment malfunction or accident caused by installation and use of failure to follow the contents of this manual. All the copyrights of this manual are owned by the company and are strictly prohibited from spreading, copying and other infringing actions. In case of any infringement, the company will retain the right to sue.*



*Precautions should be taken to prevent damage to equipment when removing packaging. Please check whether the delivered equipment matches what you ordered, if the delivery is incomplete or damaged, please notify the distributor immediately.*

uses and features of the  
**DipTank**



*Introducing the JVR VacSeries DipTank: A fantastic shrink packaging machine that makes food products look top-notch using hot water submersion. Manufactured to meet the highest standards, your new VacSeries Diptank is a sign of great quality.*

*Made with top-notch materials, like high-quality stainless steel, this machine is not just practical, but it'll keep looking brand new for many years.*

*Our VacSeries DipTank combines simplicity and efficiency in its design. It's super easy to use with straightforward controls and a highly efficient electric heating system that does an excellent job.*

*The digital temperature controller is user-friendly, and you can choose between automatic or manual operation. Plus, it's got a built-in sensor that lets you know if the water level is low, so it's always ready to go.*

*Congratulations on your purchase, and welcome to the VacSeries family, where we make food packaging look fantastic with ease and quality!*

## INSTALLATION



**The DipTank requires a dedicated, 220 volt, 3-phase, 40 amp power supply. These machines do not ship with a plug installed and therefore a licensed electrician will be required. Contact an authorized distributor if any questions arise during the installation process.**

- *This equipment should only be used indoors.*
- *Do NOT spray or hose down this equipment.*
- *The presence of flammable gases or flammable vapors is prohibited around the equipment.*
- *The equipment must be used on a stable and level surface.*
- *The power cord must be unplugged before the equipment is transported, cleaned or moved.*
- *Equipment must remain upright when transported to avoid leakage and potential damage to the vacuum pump.*
- *Please note the safety symbols or notes pasted on the equipment.*

## RISKS



**To avoid serious injury, unplug the machine prior to performing any service!**

- *When the equipment is connected to the power, it must be compatible with the rated power, frequency and voltage listed on the ID tag located on the back cover.*
- *Equipment must be plugged into a grounded receptacle.*
- *Do not use an extension cord when plugging in this equipment.*

## EQUIPMENT

- *Never leave the machine unattended while operating! Disconnect power when the equipment is not in use.*
- *The machine may not be operated by unauthorized persons. This should be monitored by the machine operator(s).*
- *The water in the VacSeries Diptank can become very hot. Contact with hot water can cause serious injuries.*
- *Do not place products onto the immersion platform during downward movement. Doing so will result in hot water splashing out of the tank.*
- *Warranty and/or liability is void if any damage is caused by repairs and/or modifications that are not authorized by JVR Industries, Inc. or any of its distributors.*

## START-UP PREPARATION



The following actions must be taken before running!

- Connect the equipment to the power supply and ensure that the voltage of the power supply is compatible with that of the equipment. It must be reliably grounded to ensure safe use and personal safety.
- Position the machine on a flat and level surface. This is important to ensure that the machine operates without any issues.
- Ensure the brakes of the machine are activated during use.
- Connect the machine to the power supply and ensure that the voltage of the power supply is compatible with that of the equipment. It must be reliably grounded to ensure safe use and personal safety.
- Adjust the control panel to your preferred working height. The control panel arm can be moved by loosening the black adjustment knobs.
- Verify that the water discharge valve is closed prior to filling.
- Before the operation of the equipment, add proper water according to size of the packaged object, please note that too much water may result in overflow during operation and too little water may affect the packaging or shut off heaters.



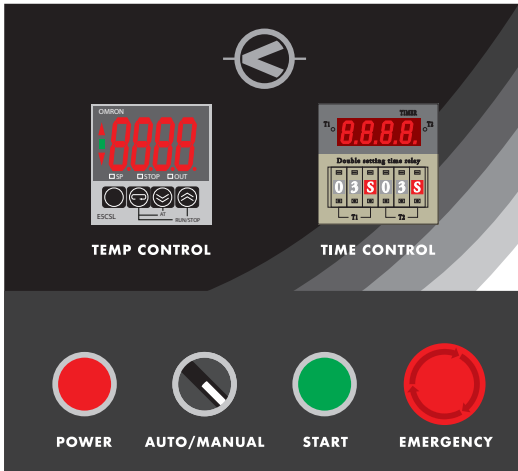
**NOTE:** For best results, products must be fully submerged when the immersion platform reaches the bottom position. Warm up times will vary based on the initial water temperature and volume. Allow adequate heat up time prior to operation.

## CONTROLS

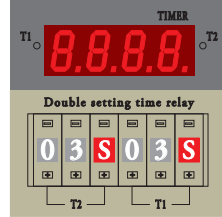


The incorrect setting methods may affect the performance of the machine or the package integrity.

### CONTROL PANEL



see page 5 for more info



see page 5 for more info



### power button

*press to power on your unit.*



### auto/manual button

*switch between automatic or manual dipping.*



### start button

*press to start the dipping cycle(s)*



### emergency button

*press in the event of an emergency. the button will shutdown all operations immediately.*










## SETTING ADJUSTMENTS

### TEMP CONTROL



**Note:** this equipment has low water level protection. The temperature controller is unable to work and power LED blinks when the water level is low or there is no water! According to different water volume, about 30-40 minutes of preheat in advance is required before operation!

- Press power button to turn on controls. Wait 5 seconds for boot-up.
- Once the tank has been filled with water the Temp Control unit will power up and display the current water temperature.
- The factory set water temperature is 93 °C(200 °F). This temperature is adequate for most shrink bags but for best results adjustments may be necessary.
- **Changing Setpoint(SP) temperature:** press the  button. Using the  and  buttons adjust the Setpoint(SP) value. To confirm the change, press the  button.
- When powered up the unit will automatically begin heating. The  light will illuminate when the unit is heating up. The  light will illuminate when the Setpoint temperature has been reached. If the water temperature exceeds the Setpoint value then the  light will illuminate.

### TIME CONTROL

- Press button "+" or "-" in the position of T2 to set the immersing time of the frame (3-99 S).
- Press button "+" or "-" in the position of T1 to set the interval time between cycles in the automatic mode (3-99 S).

Your VacSeries Diptank is equipped with a dual function timer that provides simple adjustments for setting your down and up intervals.

For most applications a simple down and up is all that's necessary to achieve the desired results. For this reason your unit has come preset to operate in this manner. Prior to making any setting adjustments it is recommended that you test the machine with the factory settings.

#### Factory Settings 03S 03S

The T2 timer will adjust the downward immersion time. Press the corresponding + and - buttons to adjust the length of time the platform is in the down position.

**NOTE: A minimum of 3 seconds is required to reach the maximum submersion depth.**

The T1 timer is used to set the time interval between cycles and is only active when running in automatic mode. Press the corresponding + and - buttons to adjust the length of time the platform is in the up position before starting the next cycle.

**NOTE: A minimum of 3 seconds is required to reach the top position.**

## OPERATION



Read over this entire manual prior to operation. If any questions arise then first consult with your authorized distributor before operating your machine.

- Refer to “Startup Preparation” on page 3 to prepare the machine for operation.
- Refer to “Setting Adjustments” on page 5 to adjust your set point temperature and immersion platform timers.
- Once your unit is filled with water, press the Power button to energize the controls at which time your unit will automatically begin to warm up.
- Upon reaching the setpoint temperature your unit is ready to run.
- Load up the dip platform with product, up to the 50 lbs maximum capacity.
- Press the Start button to begin the cycle and carefully observe as the dip platform lowers into the hot water and then raises back to the starting position. CAUTION: If water overflows from the tank then immediately lower the water level using the drain to avoid injury.
- When running in automatic mode, the dip platform will automatically drop after the T1 timer has reset. Increase the T1 timer to extend the interval between cycles.
- In the event of an emergency during operation, depress the Emergency Stop button to instantly stop the movement of the dip platform.



**NOTE:** Using the supplied Steam Retention Cover will not only reduce the amount of steam that escapes but will also help to maintain heat and allow your unit to run more efficiently.

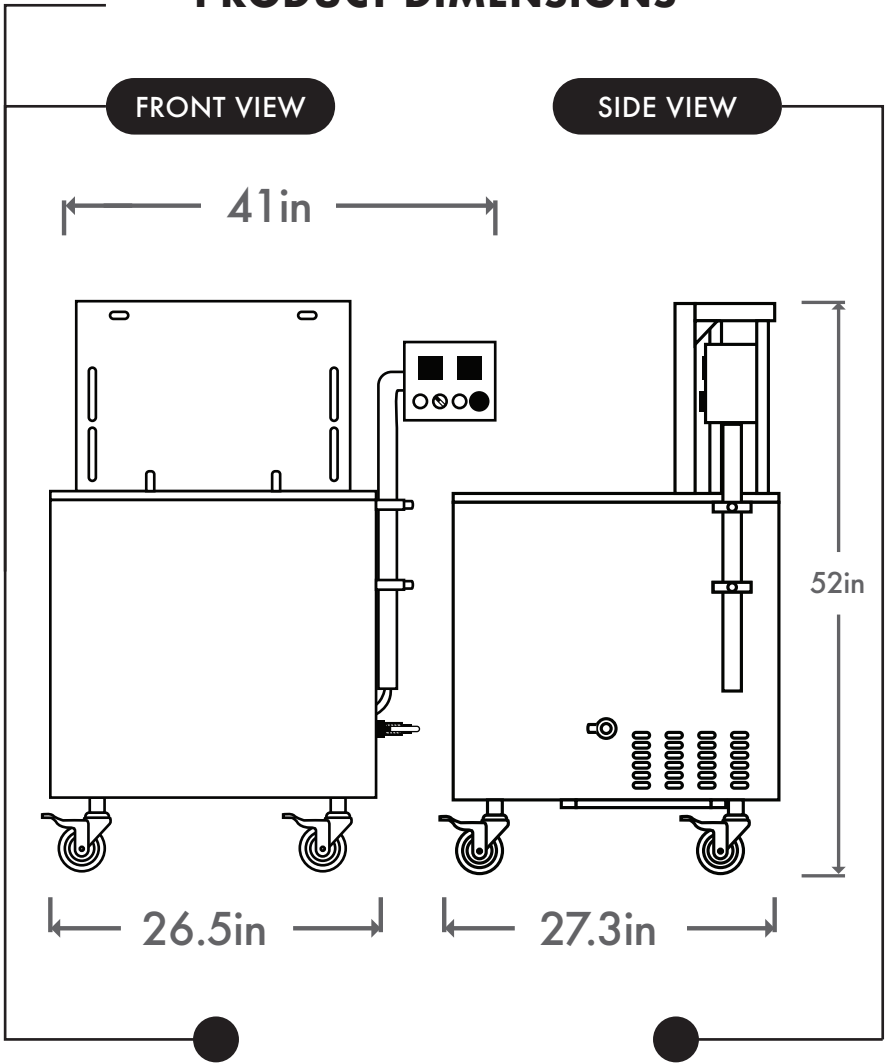
## MAINTENANCE

- Only those who know or are familiar with the performance of the equipment or professional maintenance personnel can perform maintenance for this equipment. The water level of the water tank should be checked regularly, and immediately add water if the water level is lower than the surface of the packaged object.
- Check whether the screws of each part of the machine are loose regularly, and fasten them immediately if they are loose. Check whether the lifting shaft, chain and other transmission parts are flexible, and add lubricating oil for lubrication if there is any obstruction.
- Regularly check the sealing condition of the joint of each part in the water tank to prevent leakage.
- The water in the water tank should be replaced regularly to ensure sanitary condition. The machine can only use water as the heating medium. It is strictly prohibited to use water solution containing strong acid and alkali.

## PRODUCT SPECIFICATIONS

<b>Model</b>	DipTank
<b>Voltage</b>	220V/3 PH/60HZ
<b>Power</b>	<b>Heaters</b> → 2x7KW
	<b>Motor</b> → 0.2KW
<b>Water Capacity</b>	30 gallons
<b>Load Capacity</b>	50 lbs
<b>Maximum Product Height</b>	10"
<b>Machine Dimensions</b>	26.5"(W) x 27.3"(D) x 52"(H)
<b>Machine Weight</b>	240 lbs

## PRODUCT DIMENSIONS



## COMMON FAILURES AND TROUBLESHOOTING METHODS

FAULT	REASONS	CORRECTIVE ACTION
No heating or the temp controller can't be set	No water or low water level	Add water
	The heating pipe is damaged	Check the heating pipe
	Bad contact/damage of temp controller	Check the sensor or replace it
	The temperature controller is damaged	Check the temperature controller or replace
	Bad contact/damage of liquid level switch	Check the liquid level switch or replace it
The frame is unable to go up or down	The time relay is not set	Set time $\geq 1S$
	The up/down limit switch are not touched	Adjust the position of the limit switch
	The chain wheel/chain of the motor is off	Check or replace it
	The motor is damaged	Check the motor or replace it
	The time relay is damaged	Check the time relay or replace it
The packaging result is no good	The temperature is too low	Set higher temperature
	The set immersing time is too short	Set longer time

## WARRANTY

*The warranty on this machine is active for 12 months after the date of purchase. If you experience any issues please contact your distributor to determine the correct course of action.*

**\*\*\* REFER TO THE INCLUDED LIMITED WARRANTY PAGE \*\*\***

### 5.4 DISTRIBUTOR CONTACT INFO:





