



# **Featherman Stainless Scalding-Pro Pedestal**

## **User Guide & Operator Manual**

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# Scalder-Pro Pedestal User Guide

Congratulations. The Scalder-Pro results from years of R&D and sets new standards of excellence in small scale poultry scalding.

Please review this User Guide thoroughly before using your Featherman Scalder-Pro.

## Contents

Included in your Featherman Scalder-Pro:

- \* Scald unit with safety shield
- \* On-demand water heater and remote controller
- \* PVC drain pipes and shut off valve
- \* PEX pipe 15'
- \* Brass and PEX connectors and tees
- \* Hot water pipe

You have options of using the PEX pipe we supply or not. We have supplied fittings and pipe to make all necessary connections, including enough pipe and tees for taking cold water to your plucker. Note: a PEX tool is not supplied.

## Warranty on Scalder-Pro

We warranty the Scalder-Pro to be free from defects under normal to heavy use for 1 year. We will replace any defective parts and cover their installation should defects be identified.

## Warranty on On-Demand Heater

Your On-Demand water heater is also in the top of its class. It will give you many hours of reliable service. For the Water Heater warranty to be effective you must have it installed by a certified technician.

## Assembly - Drain Pipe

Your drain pipe serves as an overflow pipe. The high point in your scald tank is determined by the location of the drain pipe's high point. We recommend you NOT use PVC glue as you may wish to adjust this height, for example to raise the water level to cover turkeys. Important: drill a small breather hole in the very top of the PVC drain assembly so that there can be no vacuum and siphoning of water out of the tank.

## Assembly - On-Demand Heater

Warning: installation must be performed by a licensed technician. Failure to do so could result in an explosion and serious injury.

Mount your water heater on a wall above the Scalder-Pro or, if outdoors, make a mounting station handy to the scalding. The shorter the hose from heater to scalding the hotter the water is going into the scalding and less water (and gas) is needed to recover temperature. If you have an indoor unit, you will need a vent kit & venting pipe(s). We recommend this also be installed by a professional.

You have either specified natural or LP gas. If your gas source does not match the unit supplied, the unit will not function. Failure to heed this warning may lead to serious damage and personal injury.

A minimum of gas pressure & volume is required to maintain the high BTU output of your heater. For gas pressure & volume requirements please refer to the Installation Manual that comes with your on-demand water heater.

For LP a minimum of an 80 gallon tank is required for proper gas volume. Have a backup tank!

Note: A barbecue grill tank holds 5 gallons and WILL NOT WORK.

## Test Operation

Test your scalding before processing day to adjust all settings and make sure you are familiar with operation before animals are involved.

1. Check and tighten all water connections by turning on water

2. Turn on gas to on-demand heater
3. Open valve in drain pipe
4. Send hot water to the scald tank
5. Set temperature and number of rotations on ScaldPro touch screen
6. Test run

## Processing Day Operation

1. Open water, gas and drainage valves
2. Fill tank
3. Add an appropriate surfactant to the water\*
4. Check rotations and temp settings
5. Scald first batch
6. Adjust settings as necessary to achieve perfect pick in plucker
7. Clean up tank and all exterior surfaces with hottest water from your water heater (~175 degrees) and appropriate sanitizer being careful not to direct pressurized water into the control panels or the fins of the water heater

\*dish detergent or an inspector approved alternative

# ScaldPro Operator Manual

## On Demand Heater Set Up

1. A professional technician must install your on demand water heater for the warranty to be valid.
2. Follow the supplied remote controller instructions to set to highest heat settings (180-185°F). The ScaldPro will not operate properly without this step. Follow instructions to remote controller to supply the hottest water.
3. Materials have been provided for all plumbing connections required.

## First Start Up

1. Plug in ScaldPro power cord.
2. Screen will quickly read "Self-test Running" then "Self-test Passed"
3. Start up screen has "**Target Temp**," "**Actual Temp**," "**Rotations Per Cycle**," and "**Rotations Complete**" across the top.
4. A large green **ON/OFF** space is below left; a large purple **START/STOP/CYCLE** below right.
5. "**REVERSE JOG**" is upper right, "**Valve Position**" lower right.
6. The air temperature in the tank will reset.

## Change Settings

1. Touch "**Target Temp**" screen to scroll target temp up or down (148\* suggested to start).
2. Touch "**Rotations Per Cycle**" to scroll rotations up or down (8 suggested, you can always add more as you dial in on the perfect combination of temp and turns).

## Operation

1. Attach PVC pipe to outlet and close valve. Do not glue PVC pipe. Water from the bottom of your tank will overflow up through this stand pipe and you may wish to change the height.
2. Fill the tank by opening the water connection and raising the **Target Temp** number. You will have to add some cold water as incoming water will stop as soon as the temperature

probe reads your target temp. There is no float valve. Water height is controlled by water temperature and the overflow pipe.

3. Add poultry and press the green **START CYCLE** Button.
4. Shelf will rotate the number of rotations selected then stop in the start position.
  
3. Rotations completed will count up from zero to the number of rotations selected.
4. Red Button is **Emergency Stop**.

## **Reversing and Manually controlling the Motor**

1. Depressing the **REVERSE JOG** will run the motor backward for as long as it is depressed.

## **Safety Shield**

1. A safety shield protects the pinch point. It may be tilted up or removed for cleaning.
2. Open PVC valve to drain water.

## **Clean up and Storage**

1. Turn off water to scalding..
2. Use your on demand hot water for sanitary clean up being careful to avoid skin contact.
3. Use mild soap with hot water to clean tank.
4. Avoid spraying directly into the on demand heater's electronic parts
5. Cover open ports to prevent dirt and insects from entering