

*Goodnature*<sup>™</sup>

**PF150S**

**POMACE FEED SYSTEM  
OWNER'S MANUAL  
SHOWN WITH EG400**



**SERIAL #**

**MANUAL  
VERSION**

**1.0**



**IMPORTANT WARNING:** To limit electric shocks, personal injury or material damage due to misuse, please read these instructions carefully and follow them strictly. The operation manual should be kept within easy access for all users and read completely by all first-time users of the machine.

## MACHINE SPECIFICATIONS

***HP: 5.0 / Voltage: 230/460 VAC / Amperage: 15.5/8.0 AMPS***

Total Weight:

**650 LBS**

Weight Crated:

**850 LBS**

Dimensions:

**44”L X 44”W X 56”H**

Progressive Cavity Pump Rating:

**5 GALLONS PER 100 REVOLUTIONS**

RPM:

**SET TO 900 RPMS**

Hopper Capacity:

**STANDARD MODEL 800 LBS,  
100 GALLONS.**

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# Section 1: Safety Precautions



**IMPORTANT WARNING:** To limit electric shocks, personal injury or material damage due to misuse, please read these instructions carefully and follow them strictly. The operation manual should be kept within easy access for all users and read completely by all first time users of the machine.

## 1.1 SAFETY PRECAUTIONS

- SAFETY GLASSES must be worn at all times during operation, cleaning, and servicing of the machine.
- Never wear loose fitting clothing that can get caught on any moving parts.
- Long hair must be worn up and tied back or in a hat or hair net.
- Never insert any foreign items into the PF-150 that weren't supplied by the manufacturer and described in this manual.
- Always disconnect power before cleaning or servicing this machine.
- If any components are damaged or are malfunctioning, discontinue use immediately and get the machine serviced.

# Section 2: Unpacking



## 2.1 UNPACKING

### UNPACKING EQUIPMENT

The equipment has been packaged to reduce the chance of damage during shipment. After unloading the pomace pump from the common carrier, remove the crate, banding and shrink wrap to expose the pump for inspection.

### INSPECTION

This equipment was carefully inspected both mechanically and electrically before shipment. It should be physically free of marks or scratches and in perfect electrical order upon receipt. The equipment should be inspected for physical damage. Also, the equipment should be inspected for loose or bare wires. If there are any damaged items due to shipping, contact the freight carrier. If any parts are missing, please call our Customer Service Department at (716)855-3325.

## 2.2 PARTS LIST

Please check that the following parts have been received with your pomace pump.

PART #	QTY	PART NAME
19067	1	Stainless steel TC reducer
11261	1	Foot switch with 20' cord
18787	1	Stainless steel TC x Barb Adapt
11271	1	15', 2" Clear F.D.A. hose
14165	1	Stainless hose clamp

*Note: Some items are factory assembled.*

Don't forget to check your packing list for any additional items you may have purchased.

# Section 3: Installation



**IMPORTANT WARNING:** All electrical connections should be made by a licensed professional in accordance with state and local codes.

## 3.1 INSTALLATION

- ◆ Check for proper voltage before connecting any power to the machine.
- ◆ The voltage and amperage of the power supply depend on the specifications provided by the customer. Information should be written in on page 2 of this manual. For help finding this information call Goodnature customer service. 716-855-3325.
- ◆ After unpacking and before running, it is important to check that no fasteners became loose during shipping. Check all nuts, bolts, and screws to make sure everything is tight.
- ◆ Be certain that pump is sitting level after installation. Adjustable legs are provided to accomplish this.
- ◆ Foot switch should in a position that allows for ease of use.

# Section 4: Operation



## 4.1 START UP

- ◆ Check to make sure power is disconnected and machine is off before setup.
- ◆ SAFETY GLASSES must be worn at all times during operation.
- ◆ Before operating the pump for the first time, fill it with liquid.
- ◆ **CAUTION: DRY OPERATION IS HARMFUL TO THE PUMP. THIS MAY CAUSE DAMAGE TO YOUR STATOR. THE STATOR IS LUBRICATED BY THE LIQUID WHICH IS BEING PUMPED THROUGH THE SYSTEM.**
- ◆ If the liquid being pumped is highly viscous, dilute it before filling the pump. The liquid fill up will lubricate the stator on initial start up.
- ◆ If the pump is shut down temporarily, enough liquid will remain in the system to provide lubrication upon restarting. It is advisable to maintain the suction piping at higher elevation than the centerline of the pump . This will contain some liquid in the pump at the time of shut down.
- ◆ After the pump has been filled with liquid, check the direction of the pump rotation by momentarily starting and stopping the drive. See nameplate for correct rotation.

# Section 5: Cleaning



## 5.1 MACHINE CLEANING

- ◆ Power Off and Disconnect all power before cleaning.

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- ◆ SAFETY GLASSES must be worn at all times during operation.

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- ◆ Beware of all pinch-points and moving parts.

- 1 The first step to cleaning is to flush all solids out of the hopper and pump.
- 2 Direct pump discharge back into the hopper to allow circulation.
- 3 After all easily-removable debris has been cleaned off, we recommend using a cleanser that will help break down and remaining particles. “Master Kleen” can be purchased through our customer service, or any similar products can be used. For information on the chemical makeup of “Master Kleen” please contact Goodnature Products customer service (716)-855- 3325.
- 4 Mix up the cleanser solution as described in the instructions enclosed with the cleanser using hot water.
- 5 Turn pump “on” to allow solution to circulate for approximately 10 minutes.
- 6 Flush cleaning solution with clean water.
- 7 All removed parts can be washed and sanitized by hand in a sink or soaked if desired.



# Section 6: Maintenance



## 6.1 ROUTINE MAINTENANCE

◆ Power Off and Disconnect all power before maintenance.

◆ SAFETY GLASSES must be worn at all times during operation.

1 Keep machine clean and free of any foreign objects.

2 Check all fasteners for tightness and damage.

3 Check the condition and tension of the V-Belt.

4 Check that the belt guard is secure.

5 Check all fasteners for tightness.



## 7.1 REPLACEMENT PARTS LIST

PART #	PART NAME
14055	Buna Gasket 2"
11261	Foot Switch
11271	Hose 2"
18787	Stainless steel TC x Barb adapt
19067	Stainless steel TC reducer
14056	Buna Gasket 3"
19722	Progressive Cavity Pump (rect flange)
19409	Gasket for rectangular flange
19723	Gearmotor 5HP 60hz
19724	Gearmotor 5HP 50hz
17907	Progressive Cavity Pump (round inlet)

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