




XpressFill XF4100/XF2100



Safety Warnings

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|---|--|
| ⚠ WARNING |  |
| Hazardous Voltage! Disconnect power before servicing. | |
| ⚠ WARNING |  |
| For use in Non-Hazardous & well ventilated area. This equipment is not Explosion Proof rated! | |
| NOTICE |  |
| Back panel must be in place during operation to prevent electrical shock. | |

Congratulations on the purchase of your XpressFill bottle filling machine.

Thank you for choosing our handcrafted bottle filler as the technology to bottle your passion. We look forward to assisting you in experiencing the best performance from your filler.

This manual is written with your safety and convenience in mind. We highly recommend reading the manual before using your filler for the first time.

If you have any questions or comments, please do not hesitate to contact us.

**XpressFill Systems LLC
265 Prado Road, Suite #1
San Luis Obispo, CA 93401
USA**

**(805) 541-0100
toll free (844) 361-2750
sales@xpressfill.com
www.xpressfill.com**

Important Safety Instructions

Misuse of the bottle-filling machine can result in serious injury or death. Do not use the machine in any way not covered in this manual or for any purpose other than those explained in the following pages.

Severe product damage and/or injury could result from the use of unqualified Service Technicians or non-original replacement parts. All repairs must be performed by a qualified Service Technician or with the approval from an XpressFill Technician. Only original factory replacement parts should be used.

Electrical shock or fire could result if the electrical supply for the bottle filler covered in this manual is not correctly installed or if the bottle filler has been improperly grounded. Do not use the bottle filler covered in this manual unless you are certain the electrical supply has been correctly installed and the bottle filler has been properly grounded.

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1 Introduction



XpressFill Product Guarantee

We guarantee our products to be free of defects in materials and workmanship. The filler will be repaired or replaced if, upon inspection at the factory, the filler is found to be defective in materials or workmanship.

This guarantee does not apply to damage resulting from normal wear and tear, accident, abuse, negligence or shipping. The guarantee may be rendered invalid if the customer has made repairs or alteration to the machine without first consulting XpressFill Systems LLC.

2 Set Up Your Filler

Please Keep In Mind

The level filler uses a self-priming pump. Due to small flow passages and precision components in the filler, it is important to filter your product so you do not introduce particulates into the machine. Failure to filter your product can result in damage to your bottle filling machine. In most cases, the filler can be cleaned by the customer.

1. Unpack the filler from the box. Place is on a flat surface where you plan to bottle.

Tip: To get familiar with your filler, you may want to initially test it with water.



2. Unscrew the fixation knobs holding the shelf to the machine. Plug the shelf's electrical connector into the side of the filler (shown with optional gas sparge above the shelf connector).



3. Plug the filler into a wall outlet. Turn on the Power Switch. DO NOT turn on the Pump Switch at this time.



4. To set the fill height of your machine, you will need to fill one bottle by hand to your desired level. You can use water or your product.

NOTE: If your machine has the gas sparge option, make sure the gas supply is turned off as you adjust the shelf.

- a. Slide the filled bottle onto any of the four spouts and place the bottle on the shelf. The green light will take a few seconds to illuminate as the purge cycles operates without gas connected.
- b. While holding the shelf, undo the fixation knobs on either side so the shelf moves freely.
- c. Slowly raise the shelf until the green light goes off. Once the green light goes off, you know you have found the height to set the shelf for bottling.



- d. Note which holes on the side of the Machine are aligned between the filler body and the adjustable shelf. Install the fixation knobs to hold the shelf at this height.



5. Snap the transfer kit onto the machine with the quick

connector after lightly lubricating the connector with water. Place the free end of the hose/rod into your product. The pump is self-priming so it will begin drawing your product into the filler with both the Power Switch and the Pump Switch are turned on.



Note: To make sure there is minimal air in the flow path, turn the inline strainer upside down while the pump is running with 4 bottles in place. This ensures that the air bubbles in the strainer housing mostly dissolve, although a little air bubble in the strainer is normal.

You are now ready to begin filling. Place an empty bottle(s) under the spouts. Turn on the Pump Switch. The filling process will start and stop automatically.

3 Optional Gas Sparge

If your filler has the gas sparge option, first make sure you have the hose going into the filler safely connected to your gas tank and regulator. The barb fitting on your unit is $\frac{1}{4}$ ", use $\frac{1}{4}$ " tubing, braided for strength, and good hose clamps. The recommended pressure is 20-30 psi. The gas purge is automatic, it will purge the bottle once the bottle is placed on the shelf, then it will start the liquid filling cycle.

Optional Flow Control



The four white valves on top of your unit are for flow control. Each valve controls the spout in which it is aligned. The valves functions are to increase or decrease flow per spout. Usually if foaming is occurring in your product, decreasing flow and or slowing down your flow will eliminate this problem.

To Decrease flow: Turn the knob Clockwise until desired flow is achieved.

To Increase flow: Turn the knob Counterclockwise until desired flow is achieved.

4 Troubleshooting

Before calling the factory, please read through the Troubleshooting Guide.

The Bottle Filler Is Not Priming

Your XF2100/4100 XpressFill Bottle Filler is equipped with a diaphragm pump. Over time, the valve kit for the pump, depending on age and use, might lose some of its effectiveness. This is an easily exchangeable part (around \$20 US). The indication that a valve kit has failed is that the pump does not prime, but you hear the pump running.

If you are desperate to bottle, try to fill the Transfer Kit with your product to get some workload off the pump and order a new valve kit as soon as possible.

One Or More Spouts Are Dripping

Conditions may exist that cause the spout to drip after the fill cycle completes. Each spout is operated by a solenoid valve which can become partially clogged, causing the valve to not close completely. These valves are easily cleaned. Please contact XpressFill technicians to guide you through the cleaning procedure.

Fill Cycle Will Not Initiate

If the green light does not turn on (or flickers momentarily) and the fill cycle does not start, it is typically a case of moisture between the spout and sensor tube. This can be corrected by drying the entire area with a dry cloth or towel in between the two stainless steel sprouts as well as the nylon spacer holding them in place. If the problem persists, please contact XpressFill technicians.

5 Cleaning & Sanitizing

Please note: You are responsible to ensure that your XpressFill filler is clean and does not contaminate your product. We recommend a thorough cleaning before and after your bottling run.

Cleaning your XpressFill is quick and easy, and is the single most important maintenance you can perform to ensure long life and efficient performance from your filler. Please use caution when using any cleaning product.

For general cleaning, we highly recommend a product called PBW by Five Star Chemicals. . It is safe, fast, effective and our customers have been happy with the results. To clean your XpressFill, begin by flushing your filler with 2 gallons of plain warm water. Follow the warm water flush with a mixture of 2 ounces of PBW cleaner dissolved in 2 gallons of water. Allow the PBW to soak inside your filler for a few minutes. When using PBW in food processing areas, the equipment that has been cleaned must be rinsed with potable water.

DANGER: Can be harmful if swallowed. Can cause eye irritation. Contains sodium metasilicate and sodium carbonate.

After cleaning with PBW, the manufacturer recommends sanitizing prior to the next use. Saniclean, also from PBW, is highly effective and completely food grade if diluted correctly per the manufacturer's instructions. Use 1 ounce of the sanitizer in 3 gallons of water, and follow the steps according to the manufacturer's instructions.

DANGER: Read and follow all manufacturers' instructions.

Corrosive to skin and eye. Contains Phosphoric Acid. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear protective goggles and clothing when using. Avoid contamination of food. DO NOT MIX SANICLEAN with chlorinated cleaners as chlorine gas will result. See Label for more precautionary information. Contains Phosphoric Acid, a known corrosive.

Before storing your XpressFill, flush your filler with 2 gallons of warm water. Be sure you get all water out of the flow path. This is done by continuing to run the pump until it runs dry. In order to get the last of the water out of the filler, carefully tip the filler upside down several times to allow all liquid in the flow path to empty. USE CAUTION, it is best to have at least 2 people involved in the cleaning process.

Cleaning the Shelf

When cleaning/wiping the shelf, wipe from left to right in order to avoid damage to the switches.

