Bag-In-A-Box Oil System

Instruction Manual
Model #2257EX & 2257DX
For Export Bag-In-Box Pumps Made After March 2003

Shown Here with Optional 2457S – Heated Line Kit.

GOLD MEDAL
FUNFOOD EQUIPMENT & SUPPLIES
Cincinnati, OH 45241-4807 USA
SAFETY PRECAUTIONS

⚠️ DANGER
Machine must be properly grounded to prevent electrical shock to personnel.
Do NOT immerse the equipment in water.
Always unplug the equipment before cleaning or servicing.

⚠️ WARNING
ALWAYS wear safety glasses when servicing this equipment.

⚠️ WARNING
Any alterations to this equipment will void the warranty and may cause a dangerous situation. NEVER make alterations to the equipment.
Make sure all machine switches are in the off position before plugging the equipment into the receptacle.

⚠️ CAUTION
This equipment is sold for commercial use only. This equipment is NOT to be used by the general public for home use. Do NOT allow direct contact with this equipment and the general public when used in food service locations. Only personnel that are trained and familiar with the equipment should operate the equipment. Carefully read all installation instructions before operating the equipment.

⚠️ CAUTION
This machine is NOT to be operated by minors. Minors are classified as anyone under the age of 18.

NOTE
The information, specifications and illustrations contained in this manual represent the latest data available at time of publication. Right is reserved to make changes as required at the discretion of Gold Medal Products Company without notice.
FORWARD

CHECKING SHIPMENT
Unpack all cartons and check thoroughly for any damage that may have occurred during transit. Damage claims should be filed immediately with the transportation company. Gold Medal Products is not responsible for damage that occurs in transit.

ELECTRICAL REQUIREMENTS
Model No. 2257EX    230 Volts, 1.3 Amps, 311 Watts, 50 Hz
Model No. 225DX      230 Volts, 1.3 Amps, 311 Watts, 50 Hz

Set-Up
Your Bag-In-Box oil pump must be calibrated before use. See page 4 of this manual for calibration instructions.

INSTALLATION

INSTALLATION INSTRUCTIONS
1. Carefully lift and place (2) 35 lb. boxes of liquefied oil onto the shelves of the oil system. NOTE: Coconut oil must be pre-melted before proceeding. Use Gold Medals’ Backroom Bag-In-Box Warmer Model #2262EX (four shelf) or Model #2260EX (two shelf).
2. Connect the discharge oil line to the metal line on your popper - using the provided hose clamp.

Note: If using Coconut Oil, Gold Medal recommends the use of the item #2457S – Heated Line Kit. Using this kit will keep the oil in the lines liquefied.
Setting the Amount of Popping Oil with a Gold Medal BIB System

Note: When connecting the bag-in-box system, and (2) two bag connectors, (Daisy-chained) you must be sure to connect the bag connectors as shown in the picture to the left.

With the EZ-Set Timer System, it is not necessary to set a manual timer. To adjust the oil amount, follow these instructions:

Holding down the RED Oil Dispense push button (on the popper) while turning on the Oil System Master switch (on the popper), and continuing to hold the RED Oil Dispense button in for 5 seconds, puts the unit in the program mode. The oil light (on the popper) will start to blink off and on indicating that the timer is in the program mode.

When in the program mode press and release the oil Dispense switch to start the oil flowing. When the correct amount of oil has been dispensed into the measuring cup push the oil Dispense switch again to stop the oil flow. The oil amount can be “topped off” by pushing the oil Dispense switch on/off as many times as needed to finalize the oil amount. Turning the Oil System Master switch off and then back on puts the unit in the regular mode. The unit will now dispense the “programmed” amount of oil when the oil Dispense switch is pushed. The oil light will light only when the oil pump is on.

You will need to perform this procedure with the oil lines full of oil. Otherwise, you are setting both the amount of oil that goes in the kettle and the amount of oil required to fill the lines. Just fill the lines using the process above, then reset the amount as described above.

NOTES:

Model 2257DX is has the capability of “remembering” two different settings for poppers with the “Salt/Sweet” option or “Flexi-Pop option.
- For Salt/Sweet models, just put the switch in the “salt” position, and set the oil amount as described above. Then put the switch in the “sweet” position and repeat the setting procedure. The pump will remember both settings.
- For Flexi-Pop models, just put the “Load” switch in one position, 32oz. for example, then set the oil amount. Then put the load switch in the other position, 18oz. for example. And repeat the setting procedure.
- Model 2457S is the heated line option for the 2257EX pumps.
Preventing and Troubleshooting Oil Delivery Issues

It may occur at times that the Bag-In-Box oil pumping system does not deliver oil to the kettle, or delivers it in incorrect amounts. This section is intended to list the most common causes of these problems, and the procedures necessary to prevent and, if necessary, correct them.

**Oil Temperature** – Coconut oil becomes a solid at temperatures above the average room temperature. For this reason, it is necessary to ensure that the oil has been permitted to come to working temperature before attempting to pump it through the system. If the machine has not been used for several days, the oil master switch should be turned on the night before it is expected that the machine will be used. For machines which are in daily use, even if not round the clock, leave the oil master switch on at all times and keep the base cabinet doors closed to prevent the oil from becoming solid.

**Bag-In-Box Mounting** – Because the bag’s dispensing connector is offset toward the bottom of the box, to permit free oil flow and complete emptying of the oil from the bag, the box should never be mounted upside down. Most boxes supplied will be clearly marked as to which side should be up during dispensing. (Note that in some cases the box is intended to be stored with one side up, but to be turned and used in dispensing with the other side up.) Be sure to double check to ensure that the box is mounted in the correct dispensing orientation.

You may encounter boxes with no clear markings to indicate dispensing orientation. A reliable guide in this case (and also for those boxes which are marked), is the direction that the top side flap of the corrugated box is folded. When the box is properly mounted for dispensing, the top side flap will fold down from the top edge of the box, so that if one were to attempt to separate the flap it would be necessary to pull up from the bottom edge. See the illustrations below.

**NOTE**

The Bag-In-Box oil pumping system is NOT designed to function when the bag has been removed from the box. Service results in such a situation are unpredictable. Do not attempt to operate the system with a bag which has been removed from the box.
**Bag and Hose Connector Issues** – There are two different types of dispensing nozzles employed on the Bag-In-Box oils, as well as two different types of connectors installed on the oil pumping system hoses which connect to the bag’s dispensing nozzles. The particular combination of connectors in your system will determine the appropriate method for connecting the Bag-In-Box oil bag to the system hosing. These combinations will be illustrated and explained in the following section.

**Bag Dispensing Nozzle – Blue Insert**

1. With the blue collar on the hose connector retracted toward crosspiece, slide hose connector shell onto bag nozzle.

2. Holding the bag nozzle behind the flange, slide the blue collar forward to lock the hose connector onto the bag nozzle.

3. Connector shown with shell correctly engaged and collar forward in lock position.

4. Place fingers behind flange and use thumbs to slide the crosspiece forward into the nozzle. Oil flow is initiated.

**Bag dispensing Nozzle – White Insert**

1. With the blue collar on the hose connector retracted toward crosspiece, slide hose connector shell onto bag nozzle.

2. Holding the bag connector, slide the blue collar forward to lock the hose connector onto the bag nozzle.
**Blue Insert Bag Nozzle with Gray Hose Connector**

1. Grasp the bag nozzle and slide the gray hose connector on from the side.

2. With the hose connector in place, place fingers behind flange on connector and press plunger forward to lock.

3. Connector shown with shell correctly engaged and collar forward in lock position. Oil flow commences. *Do not slide crosspiece forward.*

**White Insert Bag Nozzle with Gray Hose Connector**

1. Grasp the bag nozzle and slide the gray hose connector on from the side.

2. With the hose connector in place, place fingers behind flange on connector and press plunger forward to lock.

3. Connector shown with shell correctly engaged and plunger forward in lock position. Oil flow commences.

**NOTE:** If the oil does not flow after engaging plunger on gray hose connector, or if the crosspiece is inadvertently pushed forward when using the blue hose connector with the white insert nozzle, the nozzle center slider insert will be left pushed back into the bag, as shown above left.

To correct this, place fingers behind nozzle as shown above right. You will feel the center slider protruding slightly into the bag. Holding the nozzle body from the front, press the slider from the back side of the nozzle until it snaps outward into its correct position. The nozzle is now ready to be used with a blue hose connector.

3. Connector shown with shell correctly engaged and plunger forward in lock position. Since the White Insert Bag Nozzle is not designed to work with the insert pressed forward, this configuration may or may not work. If it does not, remove the gray hose connector and order the blue hose connector from Gold Medal.
CLEANING INSTRUCTIONS

SANITIZING INSTRUCTIONS
Your Bag-In-Box Oil system is all stainless steel construction. The exterior surfaces can be cleaned by wiping oil spills with a dry towel, then wiping with another towel moistened with mild soap and warm water.

SANITIZING THE INTERNAL PARTS (tubing, pump, etc.)
1. Disengage the bag connector from the bag of oil and place in a pail of hot water and mild soap. Approximately 1 gallon.
2. Push the dispense button to flush the system of oil. Make sure you have a container under the discharge tube. Discard the oil.
3. Put the intake line in the hot water and pump it through the lines by holding the dispense button until the pail is empty.
4. Fill the pail with a sanitizing solution. Gold Medal offers a product for this purpose, Chlor-Tech, part number 1109. Put the bag connector in the pail of sanitizer. Pump it through the lines by holding the dispense button until the pail is empty. It is not necessary to flush the sanitizer before the next step, but you may flush with water if desired.
5. Before the next use, install the connector to a bag of oil and pump oil until oil is dispensed through the discharge tube.
MAINTENANCE INSTRUCTIONS

⚠️ DANGER
Machine must be properly grounded to prevent electrical shock to personnel.
Do NOT immerse the equipment in water.
Always unplug the equipment before cleaning or servicing.

⚠️ WARNING
Any alterations to this equipment will void the warranty and may cause a dangerous situation. NEVER make alterations to the equipment. Make sure all machine switches are in the OFF position before plugging the equipment into a receptacle.

⚠️ WARNING
Adequate eye protection must be used when servicing this equipment to prevent the possibility of injury.

⚠️ CAUTION
THE FOLLOWING SECTIONS OF THIS MANUAL ARE INTENDED ONLY FOR QUALIFIED SERVICE PERSONNEL WHO ARE FAMILIAR WITH ELECTRICAL EQUIPMENT. THESE ARE NOT INTENDED FOR THE OPERATOR.
ORDERING SPARE PARTS

1. Identify the needed part by checking it against the photos, illustrations, and/or parts list.
2. When ordering, please include part number, part name, and quantity needed.
3. Please include your model name, serial number, and date of manufacture (located on the machine nameplate) with your order.
4. Address all parts orders to:

   Parts Department  
   Gold Medal Products Co.  
   10700 Medallion Drive  
   Cincinnati, Ohio 45241-4807  
   (800) 543-0862  
   (513) 769-7676  
   Fax: (513) 769-8500  
   E-mail: info@gmpopcorn.com

   or, place orders online at:

   Web Page: www.gmpopcorn.com
Parts Breakdown – Exterior Components

- **B.I.B. Oil Pump**
  - P/N 79282EX
  - White Inlet/Outlet Available Separately as P/N 79282A

- **In-Line Strainer (2)**
  - P/N 79269

- **Panel mount Wire Assy. (2)**
  - (For optional Heated Line Kit – 2457S)
  - P/N 39470

- **Fuse Holder Assy.**
  - P/N 74636
  - 1 Amp Fuse
  - P/N 79341

- **Jones Plug Assy.**
  - P/N 67900

- **Red Pilot Light**
  - P/N 41032

- **Food Grade Tubing**
  - Sold By The Foot
  - P/N 91375

- **Grey Bag Connector**
  - P/N 79000G

- **Metal Hose Clamp**
  - P/N 67843
  - Only Used Where Tubing Connects to the Machine.

- **Single Wire Hose Clamp**
  - P/N 75110
  - Used Everywhere Except Where Tubing Connects to the Machine.
Export Bag In A Box Oil System

Parts Breakdown – Inside Control Box

- Teach-Me Timer
  P/N 48732EX

- Terminal Block
  P/N 45098

- Blower Plug & Cord
  P/N 47199

- Exhaust Blower
  P/N 48037

- 230V - 250W Heat Element
  P/N 38824EX

- Jones Plug Assy.
  P/N 67900

- Panel mount Wire Assy. (2)
  (For optional Heated Line Kit – 2457S)
  P/N 39470

- Red Pilot Light
  P/N 41032

- 12/24 Volt Transformer
  (For Optional Heated Line Kit – 2457S)
  P/N 39459

- Fuse Holder Assy.
  P/N 74636
  1 Amp Fuse
  P/N 79341
Electrical Schematic – Model 2257EX
Electrical Schematic – Model 2257DX
WARRANTY

WE WARRANT to the original purchaser the Gold Medal equipment sold by us to be free from defects in material or workmanship under normal use and service. Our obligation under this warranty shall be limited to the repair or replacement of any defective part for a period of six (6) months from the date of sale to the Original Purchaser with regard to labor and two (2) years with regard to parts and does not cover damage to the equipment caused by accident, alteration, improper use, voltage, abuse, or failure to follow instructions.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. We neither assume, nor authorize any other person to assume for us, any other obligation or liability in connection with the sale of said GOLD MEDAL equipment or any part thereof.

The term “Original Purchaser” as used in this warranty shall be deemed to mean that person, firm, association, or corporation who was billed by the GOLD MEDAL PRODUCTS COMPANY, or their authorized distributor for the equipment.

THIS WARRANTY HAS NO EFFECT AND IS VOID UNLESS THE ORIGINAL PURCHASER FIRST CALLS GOLD MEDAL PRODUCTS COMPANY AT 1-800-543-0862 TO DISCUSS WITH OUR SERVICE REPRESENTATIVE THE EQUIPMENT PROBLEM, AND, IF NECESSARY, FOR INSTRUCTIONS CONCERNING THE REPAIR OR REPLACEMENT OF PARTS.

NOTE: This equipment is manufactured and sold for commercial use only.

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