



CORPORATE OFFICE

51 S. 2nd Street, Hamilton, IL 62341
Ph. 217-847-3324 Toll Free 1-888-922-1293

Chico, CA Branch

530-893-0921
1-877-332-3268

Fresno, CA Branch

559-495-0230
1-877-432-3268

Sioux City, IA Branch

712-255-3232
1-877-732-3268

Paris, TX Branch

903-784-6145
1-877-632-3268

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1-877-932-3268

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434-432-8461
1-800-220-8325

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DADANT M006262 FILL MASTER

New and Improved! — Take It To The Bee Yard

Pump directly from Fructose Storage Container into your Hive Feeders



Getting to know your Fill Master



Notes for consideration

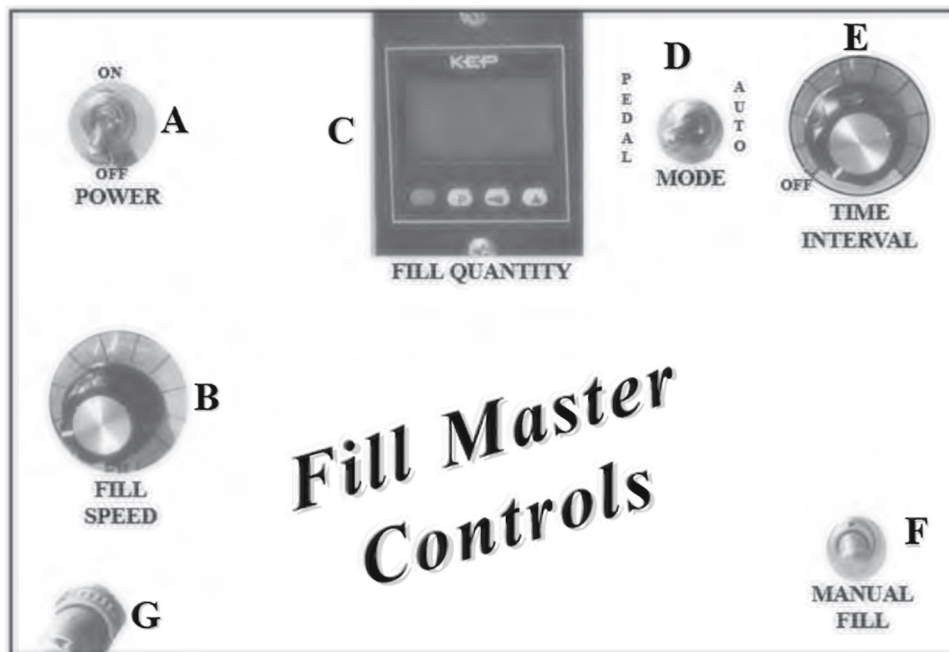


Recommendations

Dadant Fill Master

Your Fill Master Filler:

It is best to become familiar with your new filler before filling containers with it. Look at the face panel and become acquainted with each control's location and function and operation by the descriptions below. Then move on to the practice section.



A. Power Switch - Turns the entire unit “on” and “off”. The filler can always be stopped from filling by turning this switch “off”.

B. Fill Speed Control - The filling rate is controlled with this rotary dial. For example, a slower rate is desired to fill smaller containers to minimize turbulence in the container when filling. Clockwise rotation increases rate of fill.

C. Fill Quantity Counter - By setting this newest generation, LC/Digital counter, you determine the fill quantity of your container. Look at the counter and note the display. This is programmed using four push buttons. By entering a “fill number” in this counter, you set the fill quantity. More on how to set this is in section II entitled “To Determine and Set Fill Level”.

D. Mode Switch - This 2-position switch allows you to select two methods of operation.

1. The pedal (left position):

With the Time Interval Dial “Off” one fill is given each time the foot pedal is pressed (multiple presses on the foot pedal will not trigger multiple fills).

2. **Auto** (right position) is full automatic cycling with the time between fills set with the rotary “Time Interval” dial. The Time Interval must be “on” for auto cycling to function.

Note: When operating in “Auto” mode, our recommendation is to remove the foot pedal plug from the socket to prevent unwanted fills.

E. Time Interval - When “on”, this dial sets the time interval between fills when using the “Auto” mode. Clockwise rotation decreases time interval between fills.

F. Manual Fill - This switch provides filling whenever it is activated and the power switch is “on”. To fill manually (without counter) push in the button as long as desired to obtain fill.

G. Foot Pedal Socket Connection

Dadant Fill Master

Read all of section II before proceeding:

II. To determine and set container Fill Level:

- 1 With the power switch set on off, set the MODE switch to the “pedal” position and the “Time Interval” dial to “off’.
2. Turn Power switch “on”.
3. Connect your Fill Master inlet hose to the product to be packed. With a container under the nozzle (very important), push the manual fill until you get a steady uniform flow (air out of line).
4. Press the red button on the Fill Quantity counter. This will “zero” the top number on the display.
5. To set fill speed, fill a container using the manual fill button, adjusting your “Fill Speed” to an appropriate level for that container.
(You may desire to fill several containers to determine “best” setting.)
6. After you have your filling speed set, press the red button to again “zero” your top displays number.
7. Hold your container under the fill nozzle—push manual fill button and fill your container. As the container is filling, note that the counter is “counting” the fill quantity. One steady uninterrupted fill gives the most accurate reading. After filling your container, note the reading on counter—this is your approximate fill number for that size of container. (When determining fill number, the fewest starts and stops gives the most accurate reading.) You may desire to enter a “fill number” slightly lower (5 units lower) than the number you determined on bottom line to be your fill number.
8. Now enter your fill number for that container into the counter by using “up arrow” key and “left arrow” key as previously practiced.

Note: You may determine the fill quantity of a new sized container at any time by repeating steps 7 and 8.

III. Notes for your consideration

1. If air leaks into the system
 - a) Your filler nozzle will drip or
 - b) You will see large air bubbles in the fill stream, which causes inaccurate fills.
2. The Fill Master input hose can be lowered into a container such as a bucket or connected to a storage tank.
 - a) If lowered into a container, prevent the hose from “drawing” air. (The open end must be completely submerged.)
 - b) Prevent the hose from becoming obstructed. Either condition may cause inaccurate fills.
3. The Fill Master is self-priming. With a container under the fill nozzle, lower the input hose into a container of liquid and press the manual fill button until liquid is flowing from the nozzle and all air is out of the input hose.
 - a) On rare occasions (when first new or from non-use for long periods of time), the Fill Master may not self-prime. A pipe tee with a plug is installed in the input line close to the filler case. By removing the plug, filling the tee with the liquid to be pumped and replacing the plug, the Fill Master will now prime. The plug must be sealed and no air allowed to enter at this point.
4. The Fill Master is designed to pump directly from open storage bulk containers or to be connected directly to storage tanks. When connected to storage tanks where liquid levels in the tanks are more than four feet above the Fill Master inlet, a dripping condition at the fill nozzle may occur due to the head pressure developed by the liquid. Excessive head pressure conditions can be solved by at least two methods, and should this occur, call the factory for solutions. Liquid conditions vary greatly and in most cases, normal head pressure does not create a problem.

Caution:

Liquids that are “thick” and do not flow well (high viscous liquids) such as cold and/or low moisture honey can cause the unit to overwork resulting in overheating the motor and burning out the motor protecting fuse. Do not replace the fuse with a higher amperage one, as the motor will no longer be adequately protected.

We Recommend:

- 1) Bottling honey 90°F or warmer.
- 2) Cleaning the unit after each daily use (do not let cold honey remain in or allow honey to granulate in the pump—damage may occur.) One way of thoroughly cleaning the system is to allow the unit to pump two or three gallons of hot water through itself. After this rinsing with hot water while the unit is running, for long-term storage, if you have access to an air compressor blow clean air in the suction hose to remove all water from the system.
- 3) To restart the unit after not using it for a month or longer, begin by letting the filler pump hot water through itself for two or three minutes before beginning to pump and fill your product. (This removes any possible honey granules from the unit and lengthens seal life.)

Dadant Fill Master

Learn Each Control's Function and Operation

Let's Practice!

I. Set your Fill Master on a table top or bench at a convenient working height. Plug your Fill Master into a standard household 120-Volt receptacle. Before attempting to fill containers with actual product, we suggest you practice for a short time using water or simply running the unit to get acquainted with setting different fill quantities.

1. With the power switch set on off, plug your foot pedal cable into the socket on the front of the Fill Master.
2. Turn the Fill Master power switch "on". Note: The filler may be stopped at any time by turning the power switch "off".
3. Press the "Manual Fill" button several times to get the "feel" of using it. (This is used to fill one or two containers or "top off" some containers.)

4. To practice setting fills, proceed as follows:

- a) Place the "Mode" switch in the pedal position.
- b) Turn the "Time Interval" off (full counter clockwise).
- c) Look at the digital display screen. There are two lines of possible numbers. The Top line indicates the fill number the Fill Master has currently counted. The bottom line indicates the fill number that you determine the Fill Master is set to fill. Press the Red Button to set the top line to zero. The bottom line is set to zero by using the "left arrow" key which changes what number position you want to change, ones, tens, hundreds, position, etc. The number position you select will flash. The "up arrow key" changes the actual number each time you push the key. The number must be flashing to change it. To change which number flashes, push the left arrow key. A number flashes for four seconds before being "set".

d) Let's practice setting a number on the bottom number line. Let's pick an arbitrary number to set your Fill Master to, like 236.

1. Press the left arrow key as many times as necessary to make the first or ones position flash. Then press the "up arrow" key until the number 6 appears in the ones column.
2. Before the number in the ones column stops flashing push and release the "left arrow" key once. Now the tens column is flashing and can be set. Press and release the "up arrow" key until a 3 shows in the tens column.
3. Again, before the number in the tens column stops flashing push and release the "left arrow" key once. Now the hundreds column is flashing. Press and release the "up arrow" key until a 2 appears in the hundreds column. Wait 4 seconds and the display will stop flashing and your number 236 is set.
4. Your fill number of 236 is now displayed on the lower display and is the Fill number entered in your Fill Master.
5. Press and release your foot pedal. Your Fill Master will run, count to 236 (top number) and stop. Push the foot pedal again.

Note that the Fill Master counts to 236 and stops. Repeat this procedure a couple of times to get acquainted with your unit.

6. Try entering three different new fill numbers such as 55, then 207, and finally 438 and try each one by pressing the foot pedal and letting the Fill Master count to the new number and stop. **Note: When setting a new fill number, the bottom number must be set to the number you desire-for example, digits not used must be set to "0". To continue getting to know your Fill Master, proceed as follows:**

- a) Enter a small fill number such as 50, on the bottom line, then press and hold the foot pedal down. The filler does not cycle again. The filler fills to your fill level and stops, when you release the foot pedal.
- b) Now press the "Manual Fill" and while the unit is filling, turn the "Fill Speed" dial and note the rate of fill change. Release "Manual Fill" button.
- c) After you remove the foot pedal from the socket and turn the power switch "off", and the Time Interval "off", change the "Mode Switch" to auto. Turn the power switch back "on". The bottom display indicates the last fill number that was entered in the Fill Master as this unit has up to a 10-year memory. Turn the time interval "on" full clock-wise and the Fill Master begins cycling. The interval between fills is adjusted with the Time Interval dial. Try several positions on the dial to help familiarize yourself. To stop the cycle, turn the power switch "off" or the mode switch to "pedal" while the unit is off. Repeat these procedures until you are comfortable with your Fill Master's operation.

Replacement Parts for M006262 Fill Master

New Hi Torque Motor 1 ____ Pump

Part Number	Description
04-62607	Motor Baldor (pre 2018)
6261-11	Motor Hi Torque (after 2018)
04-62602A	Brass Pump
04-626102A	Stainless Steel Pump
6261-10	Stainless Steel - Oberdorfer Pump
04-62612	Counter
03-62602A1	Replacement Seal (before 2009)
03-62602A2	Replacement Seal (after 2009)
03-62602A5	Cover Gasket (before 2009)
626-2A-10	Seal Kit (after 2009)
626-2A-12	Gasket (after 2009)
626-2A-11	O-ring
626-2A-13	Bearing
626-34-1	Optical Sensor