PERFECT SERVINGS

Powder Dispenser

Model:	SM-PSPD-3V, SM-PSPD-4V
Power Requirements:	24 volt DC, 1 amp
Machine Size:	8" W x 13½" H x 10" D

Machine Operation

Powdered products are dispensed by pushing any one of the buttons on the front touch panel. When the machine is set to dispense product for "portion control" the touchpad is pushed momentarily and the machine will dispense one pre-programmed portion of that product. For example, if the sugar button was pushed the machine would dispense 2-3 grams of sugar each time. The machine can also be set up as "push and hold" feature where when the button is pushed the product will continue to come out until you release the button.

Board Function and Programming

When the machine is set up for programming there are four buttons that assist in programming the machine. Three buttons are used for programming the powder control, the other button is used for voice recording. The machine can be set up for "portion control", "push and hold" or any combination

thereof.   Diagram A is a representative of the programming module located on the inside front of the door. This is the location for programming the unit. To begin:

1) Program **each** canister to **either** dispense a "portion-controlled" serving **or** a "press and hold to dispense" serving.

Diagram A

Programming for "portion control"

1) Select a canister.
2) Locate the "Product Setting Guide", which is located on the last page of this manual.
3) Using the "Product Setting Guide", locate the product being dispensed from the product listing depending on the RPM of your machine.
4) Review and write down the setting associated with the product you wish to dispense. This is the number that you will want to program into the unit.
5) Press and hold the 'Program' button on the programming display (inside the door). The display will read 00.0, and the unit will beep. You will see "SET" appear in the window.
6) Press the button on the touch panel on the front door that corresponds to the canister you are setting.
7) Press the up or down buttons on the programming display until the number corresponds to the one you found on the settings sheet (for the timed delivery of product).
   a. Please note that the 'UP' and 'DOWN' buttons change the dispense time in .1 second increments.
8) Press the button on the touch panel again. This will lock in the dispense time.
9) To set other buttons as "portion control", repeat steps 1-8 above.

Programming for "manual dispense" (press and hold)

1) Press and hold the program button until the unit beeps.
2) Press the proper selection button on the touch panel.
3) Use the up and down buttons to set the time on the display to 00.0.
4) Press selection button on the touch panel again to lock in time.
5) To set other buttons for "manual dispense" repeat steps 1-4 above.

Volume Control

Turn up or down the volume by pressing the "program" button. Volume will go to 8 maximum and 1 minimum.
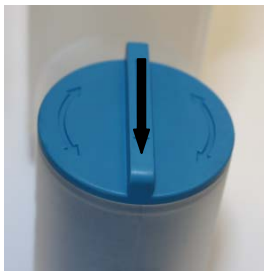
Recording a Voice Message

Press and release the "program" button to get in volume mode. Set the volume to 3 to get the best results. Hold down the upper left hand button (**.**) and it will go into record mode. "REC" will show in the LED window and the time will start counting up. For best results, start speaking when the timer has reached 2.0 seconds. The machine will stop recording when it reaches 20.0 seconds. Turn up the volume to your preference after recording and test the message by pressing any one of the buttons on the touch panel. **Note:** Voice activation will turn on upon selection and will not repeat for one minute.

Canisters

"Close nozzle" by turning the arrow away from you to prevent spilling product.

"Open nozzle" by turning the arrow toward you to dispense product.

*IMPORTANT: DO NOT OPERATE POWDER DISPENSER WITH NOZZLE IN CLOSED POSITION. THIS WILL DAMAGE THE MACHINE.

Cleaning the Canisters

It is imperative that the canisters be kept clean. For routine cleaning between refilling, simply empty the canister, wash it, and then turn it upside down until **completely** dry.

Please do the following to ensure a thorough cleaning:

1. Remove the canister from the unit and then empty it completely.
2. Remove the "elbow straight" (part with arrows), "spout" and the "lid".
3. Remove the auger by unscrewing the "turbo cover" or nut.
4. Wash all of the parts until clean in a mild dishwashing solution with warm water. Sanitize, rinse, and allow to completely dry before reassembling. If you would like you can put parts in the top rack of dishwasher on standard cycle with dishwasher detergent.
5. Reassemble, and test for free movement before filling.

* To sanitize canisters, mix ½ teaspoon of bleach to 4 cups of water. Let parts sit in solution for 2½ minutes. Rinse with warm water and allow to air dry.

Cleaning the Cabinet

Use a soft cloth 'dampened' in warm water only, then wipe dry. Do not use any harsh cleaners or abrasives.

Product Setting Guide

Product	Serving Size		
	8 oz Cup	**10 oz Cup**	**12 oz Cup**
Hot Beverages			
Cappuccino	**7.0** = 28g	**9.0** = 35g	**10.6** = 42g
Hot Chocolate	**6.4** = 28g	**8.0** = 35g	**9.6** = 42g
Chai Tea	**5.6** = 28g	**7.0** = 35g	**8.2** = 42g
Cold Beverages			
Restore Plus More™ Isotonics	**3.8** = 21g	**5.1** = 28g	**6.4** = 32g
Creamers			
Regular Creamer	**0.7** = 2g	**1.0** = 3g	**1.4** = 4g
Flavored Creamer	**1.0** = 4g	**1.5** = 6g	**2.3** = 8.5g
Sweeteners			
Sugar	**0.3** = 2g	**0.4** = 2.5g	**0.5** = 3g
Sugar Substitute	**0.2** = 1g	**0.2** = 1g	**0.4** = 1.5g