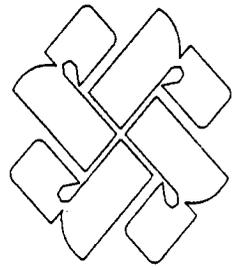


COLD  
FOOD  
COMPANION



Polyvend<sup>®</sup>  
SERVICE MANUAL LTD.

TEMPORARY



POLYVEND INC.

SERIES 900 COMPANION  
FOOD KING  
EXPORT

The Polyvend Series 900 Cold Food Companion unit is a revolutionary new concept in vending equipment where bigger is not always better. The Polyvend Food King Companion unit is a Food King Cold Food unit that is controlled by the snack machine beside it eliminating the need for a control board, validator and changer in the cold food unit. It is designed to help the Operator increase his competitive position and to service locations where the need for a large cold food machine is not necessary, but the customer requires refrigerated food. With this machine, a location can be provided with all types of refrigerated items in the smaller quantities keeping the out-of-date food items to a minimum.

This machine comes with all of the items(harness, etc.) necessary to connect the Cold Food unit to any of the vending machines manufactured by Polyvend Inc. with the International Control Board in them. The unit comes equipped with nine shelves for cold food. These shelves can be set up with any combination of compartments from FOUR (4) to TWELVE (12) with each "SHELF" regardless of the number of compartments, is priced individually. The product delivery doors on the cold food are locked by solenoids. When the correct amount of credit is established and a letter and number selection buttons are pressed the solenoid for the corresponding selection door will release allowing the door to be opened. The solenoid will stay energized for twenty-two (22) seconds unless more money is inserted or the carousel rotation button is pressed. The Shopper System allows the customer to select any available item. Pushing the "Press to View" button (Red Button) located on the front of the Cold Food companion unit will allow the carousel to move 30 degrees or the equivalent of one small compartment. Pushing and holding in the "Press to View" button will allow the carousel to turn continuously. The shopper system will not operate when any of the following conditions exist:

- 1) A product door is open.
- 2) A vend is in progress.
- 3) The health and safety sensor is above 45 degrees and taken the cold food side out of service.

SPECIFICATIONS COLD FOOD COMPANION UNIT

Height ..... 1800mm  
Width..... 736mm  
Depth..... 875mm  
Shipping Weight ..... (Approx.) 268kg

VENDING COMPARTMENT SPECIFICATIONS

The cold food compartments are pie shaped and the following are the approximate straight line dimensions. Actual size of containers that will fit the pie shaped compartment are not considered.

Vertical clearance ..... 110mm  
Front to Back Dimension ..... 303mm  
Front-of Pies (one corner to the other)

Compartments	Dimensions
12	101mm
6	238mm
4	406mm

COLD FOOD CAPACITIES

The carousel trays can be configured from a maximum of 108 compartments (9 shelves with 12 compartments each) to a minimum of 36 compartments (9 shelves with 4 compartments each).

ELECTRICAL SPECIFICATIONS

PRIMARY VOLTAGE ..... EUROPE EXCEPT ENGLAND 220VAC 50CYCLES  
..... ENGLAND 240VAC 50CYCLES  
SECONDARY VOLTAGE ..... 24VAC  
MAXIMUM CURRENT ..... COMPANION UNIT ONLY . 10 AMP  
  
VOLTAGE TO DOOR SOLENOIDS ..... 24VDC  
VOLTAGE TO CAROUSEL MOTOR ..... 24VAC

REFRIGERATION SPECIFICATIONS

COMPRESSOR ..... 1/3 HP  
MAX. CURRENT OF COOLING SYSTEM ..... 7AMP  
  
REFRIGERANT ..... R-134a

NOTE: Polyvend Inc. is not responsible for faulty or overloaded circuits within the facility where Polyvend machines are installed. The exact load imposed by the machine is stated above. The sum of all devices connected to a particular circuit will determine the total line load. It is recommended that a separate electrical circuit be dedicated to these machines.

## INSTALLATION

- \* Remove all external packing material
- \* Inspect equipment for damage resulting from improper handling and if evident, file claim, file claim immediately with carrier.
- \* Remove key from coin return cup, unlock the service door and remove the shipping material.
- \* Remove the wiring harnesses and items required to connect the cold food unit to the snack machine.
- \* Check the operation of the service door and locking mechanism. They should operate smoothly and latch at all three locking plates.
- \* Make sure that the latch for the cold food door is functioning properly.
- \* Determine the model of the snack machine the companion cold food machine is going to be connected to. Separate the harness and items you will need to install the unit. Because of the detailed instructions required to assemble and connect the companion machine to a vending machine it will be necessary to refer to the section on Component Installation Instructions for Companion Snack Machine Pages 9-17.

**CAUTION: DISCONNECT POWER TO THE CONTROL VENDING MACHINE AND THE COLD FOOD COMPANION MACHINE BEFORE WORKING ON THE CONTROL BOARD, COIN CHANGER OR ANY ELECTRICAL COMPONENTS IN THE CONTROL SNACK MACHINE OR COLD FOOD COMPANION MACHINE.**

- \* It is extremely important to provide the machine with sufficient air flow for cooling. Provide a MINIMUM OF 155mm SPACING BETWEEN THE WALL AND THE BACK OF THE MACHINE.
- \* Upon completion of the installation of the wiring harness required to connect the cold food companion machine to the snack machine, both units are now ready to be put on location. When installing these units due to the close proximity of the snack and cold food units, make sure the cable is long enough to reach when sliding the units in. It may be necessary to slide in one unit then the second unit. Then after lining up and leveling the units connect the umbilical cable to the two machines. Ensure that all legs sit firmly on the floor.

- \* Install coin mechanism in the control snack machine as required. No changer will be installed in the companion cold food unit.
- \* Check to see that the power terminal on the transformer is attached to the proper terminal so it matches the local power supply voltage (220VAC or 240VAC). Note: This transformer is located inside of the power box in the bottom of the companion cold food machine on the left hand side when facing the machine. NOTE: Make sure the voltage is set properly for the control vending machine before proceeding with the installation.
- \* Plug service cords of both the control snack machine and the companion cold food machine into power source using the grounded plug provided. If a grounded outlet is not available, use a proper external ground on all locations.

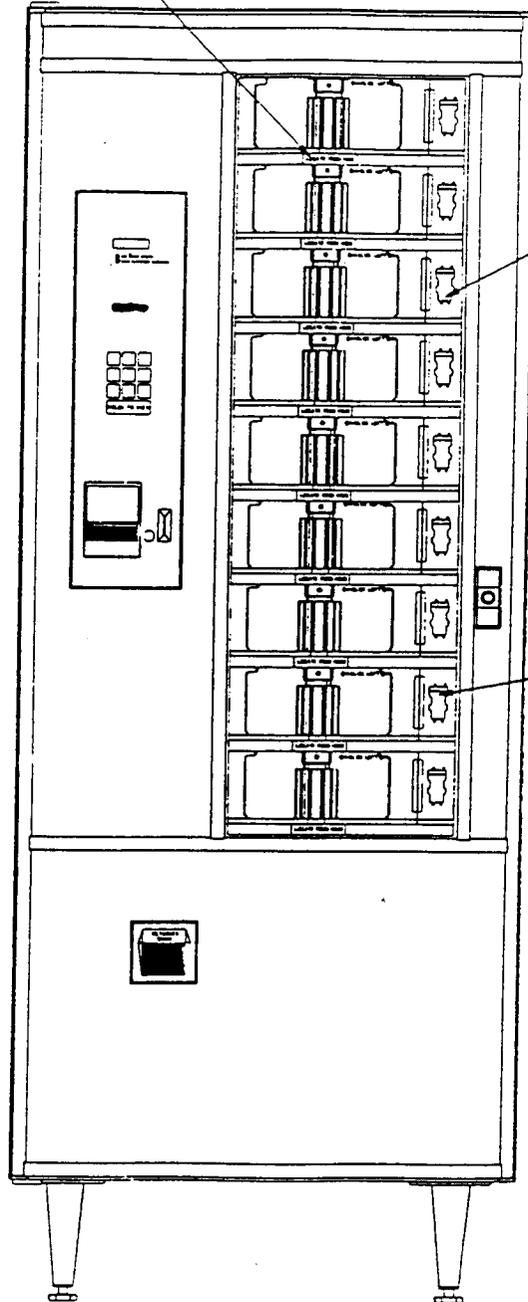
NOTE: In order to comply with electrical safety regulations and electrical code requirements, all electrical equipment must be properly polarized and grounded. All equipment is wired so that it is properly polarized in accordance with the electrical code. If the wall outlet is wired and grounded properly, then the vending machine will connect properly.

NOTE: Polyvend is not responsible for faulty or overloaded circuits within the facility where the equipment is installed. The exact load imposed by the machines is stated in the electrical specifications section. The sum of all devices connected to a particular circuit will determine the total line load. It is recommended that a separate electrical circuit be dedicated to these machines.

**CAUTION: DISCONNECT POWER TO THE CONTROL VENDING MACHINE AND COLD FOOD MACHINE BEFORE REMOVING THE CONTROL BOARD OR CHANGER FROM THE CONTROL SNACK MACHINE OR WORKING ON ANY ELECTRICAL COMPONENTS IN THE SNACK OR COLD FOOD COMPANION MACHINE.**

- \* Test the coin mechanism located in the control vending machine to ensure smooth operation. If operation of the coin mechanism is not smooth, check to make sure that you have proper alignment of the changer with the coin return lever.
- \* Press the "Press to View" button on the front of the cold food companion unit to ensure the carousel rotates and stops in the correct position.
- \* Service Vend (Free vend) each of the cold food selections to ensure that the corresponding vend door opens for the selection made.
- \* Load the coin tubes on the changer with the proper denomination or coins.
- \* Place the price stickers in the cold food companion unit just above the selection sticker for each selection, located to the right of each vend door (See next page). Price sticker should also be placed on the front of each tray of the control vending machine to the right of the selection sticker.
- \* Operate each vending dispenser in the cold food companion machine, using coins. Operation should be smooth.
- \* In the large manila envelope in the cold food companion unit is a sheet with the sticker "LOCATE FOOD HERE." Peel each sticker off and place it on the delivery door guide. The position should be in the center of the compartment that the selection will vend from. See figure next page:

DECAL - "LOCATE FOOD HERE"  
PART NO. 098-8054  
THIS DECAL IS FOUND IN THE  
POLYVEND/LEKTROVEND LITERATURE  
PACKAGE. PEEL EACH STICKER  
OFF AND PLACE THE STICKER ON THE  
DELIVERY DOOR GUIDE. THE  
POSITION SHOULD BE IN  
THE CENTER OF THE  
COMPARTMENT THAT THE  
SELECTION WILL VEND FROM

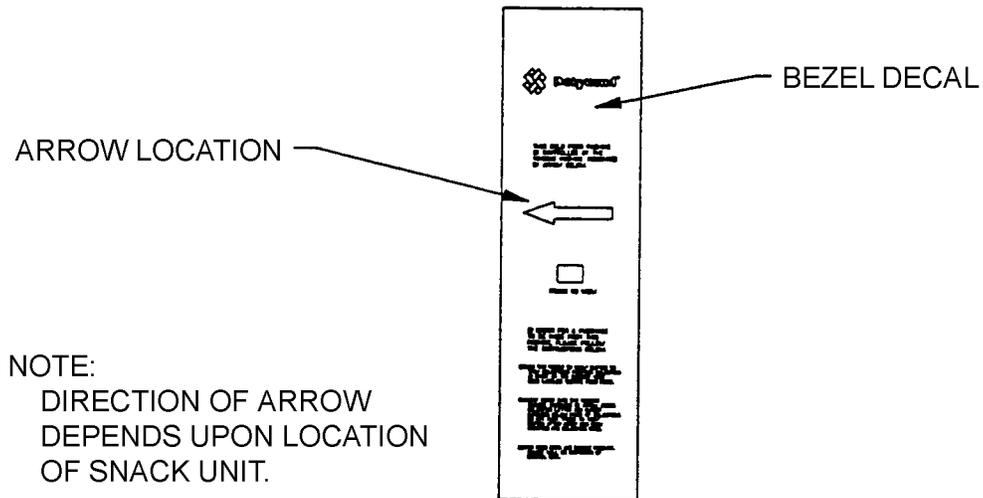


SELECTION LABEL  
PART NO 19934  
THIS STICKER IS FOUND  
IN THE POLYVEND/LEKTROVEND  
LITERATURE PACKAGE.  
PLACE THE SELECTION LABEL  
JUST BELOW THE PRICE  
STICKER FOR EACH SELECTION  
LOCATED TO THE RIGHT  
OF EACH VEND DOOR.

PRICE STICKER  
PART NO. 224-8081  
THIS STICKER IS FOUND  
IN THE POLYVEND/LEKTROVEND  
LITERATURE PACKAGE.  
PLACE THE PRICE STICKER  
JUST ABOVE THE SELECTION  
NUMBER FOR EACH SELECTION  
LOCATED TO THE RIGHT  
OF EACH VEND DOOR.

## LABEL LOCATION

- \* Locate the arrow decal in the same large manila enveloped mentioned above. Carefully install the arrow on the bezel decal above the "Press to View" button. See figure below.



- \* Allow the cooling unit in the cold food companion unit to run until the refrigerated compartment has been cooled down and the cooling unit is cycling at the correct temperature (3.3 C down to 0 C degrees) prior to loading product.
- \* Pull the loading switch out, rotating the carousel and load the machine with product. The loading switch is located on the inside of the refrigerated compartment on the left side.
- \* Reset your health and safety by going to the control vending machine, go into the service mode and then come back out.

NOTE: Once the health and safety has been reset, under normal operating conditions it will not be necessary to reset the health and safety.

- \* Check to make sure that all of the vend options are set to the desired setting on the control board in the control vending machine. See Vend Options page 33.
- \* There is a blower system designed to keep condensation from forming on the delivery doors. The system directs warm air across the delivery doors from the left side. Make sure that the blower is operating properly.