

Holland Manufacturing, Inc.
6851 – 51st Street Kenosha, WI 53144
Ph 262-654-5300 Fax 262-654-6449

MODEL "ET" ICE CREAM VARIEGATOR

GENERAL INFORMATION

Your model ET ice cream variegator is a precision unit. Properly installed and maintained, it will give you trouble-free service and become a valuable part of your processing equipment. The electric motor and speed control warranties are as specified by the respective manufacturers and should be returned to them for any claims. For the remaining portions of the variegator, material and workmanship are guaranteed for a period of six months after shipment from our factory. If the unit has been misused, not properly installed, or is improperly maintained all warranties or guarantees are void.

INSTALLATION

The model ET variegator should be installed directly over the ice cream filler as close as possible to the filler head. Flavor is introduced to the unit by means of the upper 2" threaded bevel seat connection. The ice cream supply is connected to the lower port. The connection types may vary as specified by the user; threaded bevel seat is standard. Flavor and ice cream inlets are noted on line drawing.

A 120 VAC 50/60 Hz power source must be brought to the motor speed control. Use caution to be sure motor and speed control have proper electrical grounds. **NOTE! DO NOT SUPPORT THE PRODUCT LINES WITH THE VARIEGATOR!!**

OPERATION

The operation of the model ET variegator may vary from one installation to another depending on the conditions and the patterns desired.

The speed of the internal revolving flavor tube is controlled by the adjustment knob on the speed controller. Changing this will decrease or increase the number of swirls per minute of flavor laid into the flow of the ice cream.

Changing the flow rate of the ice cream or the incoming flavor will also affect the pattern of the finished product. **NOTE! DO NOT OPERATE THE VARIEGATOR WITHOUT PRODUCT CIRCULATING THROUGH IT AS DAMAGE TO THE SEALS MAY OCCUR!!**

**ASSEMBLY & DISASSEMBLY FOR
CLEANING**

All parts of the model ET variegator have been constructed as closely as possible in accordance with sanitary practices for ease of assembly, disassembly, and cleaning.

1. Remove the variegating unit from the processing lines.
2. Remove item #10 o-ring from item #9 drive pin; pull the drive pin from the drive pin hole.

3. Pull item #2 flavor tube out of the variegator through the outlet port of item # 1 body.
4. Both item #5 clamps may now be removed.
5. Remove the item #4 seals from item #3 and item #8 seal retainers.
6. Clean the component parts manually using customary procedures for acceptable cleanliness.
7. When reassembling the unit it is recommended that the item #4 seals be lubricated with a sanitary lubricant.
8. Reassemble using proper precautions to avoid damage to seals and to assure proper alignment of retainers and the flavor tube.

MAINTENANCE AND SERVICING

The electronic motor speed control unit is not serviceable by the user. It must be returned to the manufacturer or an authorized service center for repair. The gear motor should be inspected every 4 to 5 months or every 600 hours, whichever comes first. Maintenance and lubrication should be followed as directed by the manufacturer specification sheet included with the variegator.

SERVICE AND SPARE PARTS

Service and spare parts may be ordered from:

**HOLLAND MANUFACTURING, INC.
6851-51 STREET
KENOSHA, WI 53144**

Please specify the model number, variegator size, item no., description, and the desired quantity of the parts being ordered. Also include any other information that is pertinent to your order, such as port connection style.

example: MODEL ET-3" variegator
1 -Item # 1, body with bevel seat connections