

OPERATING PROCEDURE

The nozzles are supplied with a Square (Flat) Coil Heater equipped with Type J thermocouple. It is recommended to use a D-M-E closed loop Temperature Controller for optimum Temperature Control.

When starting the nozzle, set the temperature to 10% voltage if using in open loop manual type or to 200 °F if using closed loop automatic type. In either case this

procedure will allow the heater to dissipate any moisture.

Be certain to maintain this start-up setting for 15 minutes. Controller equipped with Step Smart ® , Smart Step ®

or other heater warm-up circuitry will change automatically.

It is essential to use controllers with the proper voltage and wattage capabilities. The voltage and wattage of each heater is clearly marked on the heater tag.

Step Smart ®, Smart Start ® and DME ® are all registered trademarks of DME Company.

DISASSEMBLY PROCEDURE

- Nozzle has been designed to have the tip removed in the press. See recommendations and guidelines Note # 2 for keying nozzle to keep from rotating.
 Careful attention should be taken to the heater / thermocouple leads as
- damage could occur when working on nozzle assembly. 3. For removal of tip from nozzle, a six point deep well socket is recommended. The
- nozzle must be at processing temperature and the heater should be turned off when removing tip counter-clockwise from the nozzle.
- For removal of heater recommendations and guidelines Note # 4.

ASSEMBLY PROCEDURE

- 1. Tip and nozzle threaded area must be clean of any material before reassembling.
- Apply an anti-seize compound on the tip threads.
- 3. Firmly screw the tip into the shank of the nozzle body. Tighten and untighten two or three times making sure there is a good contact between the tip and the nozzle. Torque the tip into the nozzle using 30 ± 5 ft-lbs. For protection of the tip, a six point deep well socket is recommended.
- 4. For removal of heater recommendations and guidelines Note # 4.

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- 5. Seal ring for nozzle body must be replaced each time nozzle body and / or manifold are removed to ensure seal-off.
- 6. Wait a minimum of 5 minutes after set point has been achieved for sufficient heat to transfer into the tip before molding.

IMPORTANT SAFETY INFORMATION

A hot-runner system includes electrical elements and may contain molten plastic at elevated temperature and pressure. To avoid injury, exercise caution by reading these instructions before servicing or operating the system

These instructions must be passed on to the end user where they should be read before using this product. Failure to do so can result in serious injury or death.

/ DANGER

Failure to comply will result in serious injury or death: ELECTRICAL HAZARDS

Improper voltages or grounding can result in electrical shock. Use only with proper voltage and a proper earth ground.

To avoid electrical shock, do not operate product when wet.

Do not operate this equipment with covers or panels removed. To avoid electrical shock, turn off main power disconnect and lockout / tag out before servicing this device. Do not connect temperature sensors to electrical power. It will damage the product and it could cause fire, severe injuries or even death.

If green ground wire present wire must be connected to the ground. Do not rebend rigid leads. Rebending leads might result in damage to circuit. Product might absorb moisture when cool. Use low Voltage or power to drive out residual moisture before applying full power. Failure to do so may cause damage to this product.

Failure to comply can result in serious injury or death: STORED ENERGY AND HIGH TEMPERATURE HAZARDS This product maintains molten plastic at high pressure. Use caution when

operating and servicing the system. Physical contact with molten plastic may result in severe burns. Proper

protective equipment, including eye protection, must be worn. This product has heated surfaces. Use caution when operating and servicing the system to avoid severe burns. Proper protective equipment should be worn

