



# ROTOMART COOL AIDE

## Internal Air Cooling Device User Manual

**IMPORTANT SAFETY INSTRUCTIONS** – READ BEFORE SETTING UP AND USING THE COOL AIDE DEVICE. NOT FOLLOWING THESE INSTRUCTIONS MAY CAUSE DAMAGE TO THE MOLD AND/OR INJURY TO THE OPERATORS.

Do not exceed line air pressures of 50 PSI. Be sure to adjust and check prior to using this device.

Be absolutely sure that the exhaust vent is not clogged and has free flowing air. Check at time of installation of the Cool Aide and frequently during the production run.

It is recommended that Smartvents be used in conjunction with the Cool Aide device. Even though they too can clog, they are less likely to which causes pressure build up in the mold.

Two vents are required in each mold cavity using the Internal Air Cooler “Cool Aide” It is important that the additional “exhaust” vent does not clog and that it will allow for the free passage of air. Check their condition regularly during production runs.

The hot air adjustment screw has been set at the factory and must not be adjusted by the user. Never operate the device with the hot air exhaust screw in a closed position or otherwise blocked. Doing so will result in increased pressures that could cause damage to the mold or injury to the operator.

It is not recommended for mold cavity volumes greater than 3 Cu. Ft.

### INSTALLATION-

**MOLD MUST HAVE TWO (2) OR MORE VENT HOLES**, one for cold air input and one or more for exhaust (pressure relief). NOTE: It is recommended that Smartvents be used in conjunction with the Cool Aide for both the input and exhaust vents.

1. Drill a secondary 3/4” vent hole into the mold and insert a Smartvent, or a Teflon vent tube with an un-obstructed I.D. of .750”.
  - a. Note! - DO NOT use a Supavent as the inlet or exhaust vent.
2. Ensure both input and exit vent holes are clear of blockages from mold parts or shielding.
3. Insert the cold air side of the Cool Aide into a Smartvent and then into a .796” diameter hole through the mold wall using a light friction fit.
4. Set and ensure line pressure at 50 psi maximum and connect the air supply to the pressurized air inlet noted in the above diagram.
5. Attach the Cool Aide to one of the frame members of the mold using clamps or bolts.
6. Be sure hot air exhaust end of the Cool Aide is not blocked or obstructed.
7. Utilize machine control to turn air on and off at the appropriate time in the cooling cycle.