



# MAINTAINING OPTIMAL CHEMICAL TEMPERATURES

FOR CONVENIENCE PRODUCTS POLYURETHANE SPRAY FOAM REFILL SYSTEMS

Appropriate chemical temperatures are necessary for proper system calibration, minimizing waste and ensuring high quality, economical foam.

## RECOMMENDED OPERATING TEMPERATURES

Prior to calibration and usage, chemical temperatures should be between 70°F - 90°F. Lower chemical temperatures may take several hours or even days to reach recommended operating temperatures and may require an external heat source.

Convenience Products recommends two methods to obtain appropriate temperatures when chemical temperatures are below 70°F.

### Method 1 – Portable Insulated Enclosure

Store chemical tanks and hoses in a portable, insulated enclosure. A heat source will be necessary.

An operating 100 watt light bulb will usually provide enough heat to keep chemicals at an appropriate temperature in a well insulated enclosure. The nitrogen tank can be stored and secured outside the insulated enclosure. All tanks and hoses should be secured inside the insulated enclosure to prevent damage or injury. *Note: Be sure to keep a thermometer inside the insulated, heated container. Make provisions to monitor the temperature and prevent excessive heating.*

### Method 2 – Electrical Drum Heaters

An appropriately sized, electrical drum heater may be attached to each chemical canister. No heater is recommended for the nitrogen tank.

It is recommended that you initially set the heater band temperature control to 150°F for 3 – 4 hours. However, in continuous operation, the controls may have to be adjusted to a lower temperature setting to maintain proper chemical temperatures. **NOTE:** The 150°F setpoint reflects the temperature on the side of the canister adjacent to the heater; not the actual chemical temperature.

Do not set the heater band temperature controls above 150°F. This may cause the chemicals to overheat causing calibration and foam quality problems. Follow heater band manufacturer recommendations.

Convenience Products recommends the BriskHeat® DHCH 11 Drum Heater, 120 V, Extra Heavy Duty, from BH Thermal Corporation. One drum heater is required for each chemical canister. These drum heaters are stocked by and can be ordered from Convenience Products Customer Service (636)349-1708 (item number 4505100060) or you may order directly from the manufacturer at BH Thermal Corporation, 1055 Gibbard Avenue, Columbus, Ohio 43201, (800)848-7673.



Method 1 – Portable Insulated Enclosure



Method 2 – Electrical Drum Heaters



**Convenience Products**  
866 Horan Drive, Fenton, MO 63026-2416 USA  
1-800-325-6180 • www.touch-n-seal.com

If you have additional questions, please contact your Sales Representative or Convenience Products Customer Service at (800) 325-6180.