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DH-INS14

Drum Heaters

All Bucan **drum heaters** incorporate a conservative design approach, use premium quality raw materials and are made by a highly skilled staff. You can expect top performance and by following these instructions you will benefit from many years of trouble-free service.

Installation and Operating Instructions:

1. Only qualified personnel are to install **industrial electric heating equipment** and must meet all national and local codes.
2. Ensure the power connections match the **voltage, phase and wattage** data on the nameplate.
3. **Drum heaters** should be installed close to the bottom of a drum because heat moves upwards in liquids.
4. **Drum heaters** should not be installed on a deformed or damaged part of a drum.
5. To ensure that the surface-to-surface contact between a **drum heater** and a barrel is tight, it is recommended to tap gently with a plastic mallet on both rims of the heater with GCX models, and tighten the spring nuts of the latch and trunion fastener in the case of HBX models. **Silicone drum heaters** are very flexible and will easily adhere to any drum surface.
6. **Silicone drum heaters** resist moisture, fungus and ozone, but they are not waterproof. Drum heaters in general are meant for indoor use and should not be exposed to water and contamination.
7. To avoid damaging the internal resistance wires, **silicone drum heaters** should not be bent sharply.
8. The level of liquid in a barrel should never be lower than the highest edge of the **drum heater**.
9. In order to ensure homogeneity in heat distribution, the contents of the barrel should be mixed during the heating cycle, if possible.
10. The power chord is rated to withstand 220⁰ F and should never come into contact with the drum, the heated part of the heater, or other drums used on the same barrel.
11. Different materials exhibit different heating patterns; therefore, for any material that is being heated for the first time it is recommended to monitor its temperature with a separate thermometer and the position of the thermostat setting recorded for future reference.
12. Barrels that are being heated with drum heaters should never be left unattended.
13. To avoid pressure build-up, barrels should be vented when heated.

Warning:

1. **Drum heaters** should not be used to heat containers that contain **hazardous, flammable or explosive** materials.
2. **Drum heaters** should not be used in an environment where **hazardous, flammable or explosive** materials are present.
3. **Drum heaters** are not intended for all kinds of drum heating applications. The suitability of their watt density, their temperature controllers, and the need for additional safety devices should be determined by an applications specialist.
4. The temperature controlling and/or sensing devices that are installed on drum heaters are intended to control the temperature only, and are not fail-safe devices. It is highly recommended to back them up by adequate high-limit safety devices.
5. To avoid explosions, barrels should be vented when heated.
6. **Drum heaters** are made for indoor use and should not be exposed to water and contamination.