

Ceramic Band Heater

INSTALLATION RECOMMENDATION

1. Disconnect electric power to the machine and/or ceramic knuckle heaters prior to installing or replacing heaters.
2. Reduce the number of narrow or two-piece bands used on the barrel. Ceramic bands are very flexible and can be made in large widths and one-piece construction for easy installation. This eliminates heat losses between narrow bands and sharply reduces costly installation labor.
3. Position heater bands on the barrel.
4. Take up all the slack by tightening the low thermal expansion outer housing until the serrated edges come firmly in direct contact with the cylinder. A rawhide mallet can be used to lightly tap the outer edges—only to get uniform contact as you tighten the clamping screws. Do not overtighten to the point where the serrated edges begin to collapse and thrust outward.
5. Insulate all live electrical connections per applicable safety standards.
6. Install shrouds around the machine to meet applicable safety requirements.
7. Once installed, check surroundings to make sure that contaminants won't get on the heater while the unit is in operation. Accumulation of contaminants on heaters can cause premature heater failure.

CAUTIONS

- DO NOT install ceramic band heaters in areas where combustible gas, vapor or dust is present. Doing so can be hazardous, create shorts, cause premature heater, temperature control, machine and ultimately product failure.
- DO NOT install heaters in areas where combustible gases, vapor or dust is present.
- Using ceramic band heaters that closely matches the wattage requirements will decrease the frequency of cycling and temperature over-shoot, thereby increasing the life of the heater.
- To prevent overheating and knuckle band heater failure, adequate temperature controls should be installed. The thermocouples must be kept free of contaminants and checked for good response to temperature changes.
- All electrical wiring of ceramic heater bands should be done by a qualified electrician.