

## Advanced IBC Heating Systems

Many products, such as sugars, syrups, surfactants and a variety of chemicals, become viscous at room temperature. This can present users with a number of challenges, especially in colder conditions:

- Without heating product cannot be discharged quickly enough from the drum into the manufacturing process.
- Production demand can mean replacing the container before it is completely empty, resulting in product waste.
- Alternative IBC heating systems can create hot spots that can burn the product.
- Un-insulated and mains voltage heaters can cause a health and safety hazard and waste energy, adding to running costs.
- Accurate temperature control with band heaters is difficult due to the small heating area and lack of insulation.

### Advantages of Pensteel IBC Heating Systems

- Heating an IBC reduces product viscosity, improving flow and reducing decant time.
- Yield is significantly improved, with virtually no product being left behind inside the container, reducing costs.
- Pensteel's low voltage system uses only a small amount of energy, giving lowest running cost and intrinsic safety.
- Temperature can be controlled to suit the user's needs, with no hot or cold spots.
- Jackets are constructed using high performance insulation, with industrial grade PVC outer cover for durability.
- Control units can run from 110V or 230V mains power and deliver low voltage (SELV) to jackets for complete safety.
- Variable temperature control ranges from ambient to 90°C.



### Pensteel Range of Heated Jackets for IBCs

Now available in three models:

- **Ultra - for highest performance and fastest warm up, with fully variable temperature.**
- **Extra - for less critical processes and extra low power consumption, with fully variable temperature.**
- **Delta - for simplest operation, with fixed operating temperature for constant process conditions.**

These are revolutionary systems for heating the contents of an IBC, using patented low voltage carbon polymer technology (CPT), which gives a very large heating surface with completely uniform and precisely controlled temperature characteristics.

Standard jackets are designed to fit Schutz, Ragus and Pallecon IBCs and other sizes are available on request. Pensteel also supply a full range of advanced drum and base heaters using the same technology.

**For more information please contact our sales team via email or at the number shown below;  
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