

Pensteel Ltd

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Product Information Bulletin

Pensteel Launches Totally Unique IBC Heating Product

The Challenge

Many materials become viscous at room temperature, notably sugars, surfactants and a variety of chemicals. These materials present users with a number of challenges.

- **Unique** – Patented carbon polymer technology
- **Unique** – Lowest energy usage for performance
- **Unique** – 25mm thick synthetic rubber insulation
- **Unique** – Insulated lid as standard
- **Unique** – Temperature control as standard
- **Unique** – Extra low voltage = ultra safe



Benefits of Using the Pensteel IBC Heating Jacket

- 800 Watt heating pad system can result in savings of up to £630 per year (at 7p per kw/hr 365 days a year) compared to a standard 2 kw trace wire heated product.
- Heating the IBC significantly reduces the product viscosity; thereby improving flow and reducing emptying time.
- A reduction in product being wasted, thus reducing costs.
- Better insulation than other heating systems - 25mm thick, highly efficient non-flammable rubber insulation sheet ensures heat is directed into the product.
- Flat surface heating carbon polymer pads ensure heat is put into the IBC evenly and efficiently across all sides.
- The even temperature distribution eliminates hot spots and the temperature can be controlled to suit the users' needs.
- Fixed temperature version or temperature controlling version available.

Specification

IBC Type:	1,000 Litres (Nominal), Welded steel mesh cage or similar
IBC Dimensions:	1,200mm x 1,000mm x 1,190mm high or custom designed to fit any dimension of IBC. Shipping weight 25kg
Inditherm Output:	1kW (rated)
Mains Voltage:	115 / 230Vac 50Hz
Transformer Type:	1kVA; IP55 enclosure; weight 19.5kg
Transformer Output:	42A ±2A @ 24Vac
Heated Sections:	Four sides with 25mm of insulation
Unheated Sections:	Separate sewn PVC lid, insulated with 50mm of mineral wool
Temperature Control:	PID variable controller or bi-metallc thermostat (factory set)
Temp/Current Protection:	Internal thermal fuse
Temperature Range:	Ambient Range - 10°C to + 90°C
Outer Material:	Reinforced chemical & water resistant PVC
Securing Means:	Hook-and-loop fastners with monster clips on webbing straps

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