

BenO 贝诺

融霜电加热管-冰箱 Defrost heating element for freezer

客户定制与选择/Customized Designs and Options

产品数据/Products Data	产品型号/Product Type
1.管料/Material of tube: AISI304 321, Incoloy840	型号/Type: BN-A
2.电压/Voltage: 110V-480V	型号/Type: BN-AA
3.管径/Diameter of tube: 6.5, 8, 8.5, 9, 10, 11, 12mm	型号/Type: BN-U
4.功率/Power: 200W-3500W	型号/Type: BN-UB
5.管子长度/Length of tube(L): 200mm-600mm	型号/Type: BN-B
6.引线长/Length of Wire(LM): 300-2500mm	型号/Type: BN-SB

Remark: Generally Speaking, we will manufacture it according to your require. If you have same or drawing, the products Can be customized.

备注：一般来说，我可以按照客户的来图，来样定制。

产品实物图/Picture of Products

Type:BN-U-F

管子材料/Material of tube:	AISI304 321,316 Incoloy840	电压/Voltage:	110V-480V
管子直径/Diameter of tube:	6.5, 8, 8.5, 9, 10, 11, 12mm	功率/Power:	200W-3500W

部分产品型号/Some Type of BN-U-F

型号/Type No.	长度 L(MM)	长度 L(Inch)	电压 Voltage	功率 Power(W)	管径 ΦD(MM)	L(MM)	ΦD2(MM)
BN-U-F-305	305	12"	110V/220V	250W	6.5mm	250mm	
BN-U-F-355	355	14"	110V/220V	280W	6.5mm	250mm	D2=9.5mm
BN-U-F-406	406	16"	110V/220V	300W	6.5mm	250mm	
BN-U-F-457	457	18"	110V/220V	335W	6.5mm	250mm	
BN-U-F-508	508	20"	110V/220V	375W	6.5mm	250mm	
BN-U-F-533	533	21"	110V/220V	395W	6.5mm	250mm	
BN-U-F-558	558	22"	110V/220V	415W	6.5mm	250mm	
BN-U-F-584	584	23"	110V/220V	455W	6.5mm	250mm	
BN-U-F-610	610	24"	110V/220V	475W	6.5mm	250mm	

其他部分产品照片The Picture of Some other products

Type:BN-OTHER

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液体水加热器 HEATING ELEMENT FOR WATER

产品实物图/Picture of Products

烤箱加热管 HEATING ELEMENT FOR ELECTRIC OVEN

产品实物图/Picture of Products

管料 Material of tube:	AISI304 321,316 Incoloy840,800
电压 Voltage:	110V, 120V 220V 230V 240V 380V 415V 440V
管径 Diameter of tube	6.5mm, 8mm, 8.5mm 9mm, 10mm 11mm 12mm

产品特点及技术数据/Feature and Technical Data

1.高压测试: >800V/ 5S	1.High-voltage in Test : 1800V/ 5S
2.绝缘电阻值>500MΩ	2.Insulation resistance>500MΩ
3.在额定电压测试下最大漏电流不流超过0.5mA	3.Leakage current to be 0.5ma max White enor gined at rated voltage
4.功率偏差: ±5%~10%	4.Power tolerance:±5%~10%
5.加热管的主要材料为Cr25Al5, Cr20Ni806, Air t	5.Heating resistance wire:Cr25Al5, Cr20Ni806, Air t
6.线圈负载不大于0.5w/cm2	6.Wire heater wattage <=0.5w/cm2

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部分产品型号/Some Type of BN-M-ST

管子材料/Material of tube:	AISI 321, Copper	电压/Voltage:	110V, 208V, 220V- 240V
管子直径/Diameter of Tube	8mm 10mm	功率/Power:	3000W-7000W

部分产品型号/Some Type of BN-M-ST

型号/Type No.	长度 L(MM)	宽度 B (mm)	电压 Voltage	功率 Power(W)	管料 Material of tube	UL 认证 UL Certification
BN-M-S13000	270mm	80mm	110V-240V	3000W	Stainless steel /Copper	The Products through the UL certification
BN-M-S14000	260mm	100mm	110V-240V	4000W	Stainless steel /Copper	
BN-M-S15000	260mm	100mm	110V-240V	5000W	Stainless steel /Copper	
BN-M-S16000	360mm	100mm	110V-240V	6000W	Stainless steel /Copper	
BN-M-S17000	360mm	100mm	110V-240V	7000W	Stainless steel /Copper	

部分产品型号/Some Type of BN-M-STL

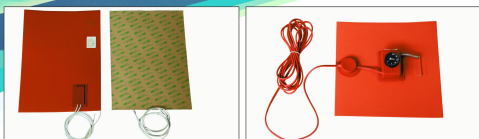
型号/Type No.	电压 Voltage	功率 Power(W)	管料 Material of tube	UL 认证 UL Certification
BN -M-STL-3000	110V-240V	3000W	Stainless steel	The Products through the UL certification
BN -M-STL-4000	110V-240V	4000W	Stainless steel	
BN -M-STL-5000	110V-240V	5000W	Stainless steel	
BN -M-STL-6000	110V-240V	6000W	Stainless steel	
BN -M-STL-7000	110V-240V	7000W	Stainless steel	

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硅胶加热片 Silicon rubber heating pad

产品实物图/Picture of Products



Application

- High Power Machinery Temperature Control Thermostat Silicone rubber Heater Pad
- 1) Thermal transfer equipment;
- 2) Prevent condensation in motors or instrument cabinets;
- 3) Freeze or condensation prevention in housings containing electronic equipment, for examples: traffic signal boxes, automatic teller machines, temperature control panels, gas or liquid control valve housings
- 4) Composite bonding processes
- 5) Semiconductor process heating
- 6) Food processing equipment
- 7) Airplane engine heaters and aerospace industry
- 8) Drums and other vessels and viscosity control and asphalt storage
- 9) Medical equipment such as blood analyzers, medical respirators, test tube heaters, etc.
- 10) Curing of plastic laminates
- 11) Computer peripherals such as laser printers, duplicating machines

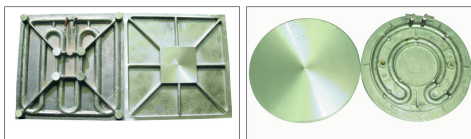
Feature

Temperature Rating	400°F(204°C)maximum operating
Size/Shape Limitations	Maximum width of 48 inches, no maximum length
Thickness	~0.08 inch(Single-Ply)~0.12 inch(Dual-Ply)
Voltage	Any AC or DC
Wattage	Customer specified(Normal maximum of 5 watts per square inch)
Power lead wire	Silicone rubber, SJ Power Cord, or Teflon insulated stranded wire
Attachment	Hooks, lacing eyelets, Or Velcro closure, Temperature control(Thermostat)
Description	1. Silicon Rubber Heating Pad/Sheet has advantages of thinness, lightness, sticky and flexibility, 2. It can improve heat transfer, accelerate warming and decrease power under the process of operation. 3. They are heating fast and thermal conversion efficiency high.

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铝加热板 Aluminum heating plate

产品实物图/Picture of Products



Description:

Aluminum Heating Plate is mainly apply to Heat press machine and casting moulding machines. It has a wide application in various machinery industries. The operation temperature can reach up to 350°C (Aluminium). In order to concentrate the heat to one direction on the injection face, the other sides of the product are covered by heat retention and heat insulation materials. So it has advantages such as advanced technology, high heat retention, long lifetime, etc. It is widely used in plastic extrusion, chemical fibre, blowing moulding machines

Model	Dimension<MM>	Voltage(V)	Model	Dimension<MM>	Voltage(V)
BN-180	≥180	110V~380V	BN-500x600	500x600	110V~380V
BN-220x270	220x270	110V~380V	BN500x700	500x700	110V~380V
BN-380x380	380x380	110V~380V	BN-600x800	600x800	110V~380V
BN-380x450	380x450	110V~380V	BN-800x1000	800x1000	110V~380V
BN-400x500	400x500	110V~380V	BN1000x1200	1000x1200	110V~380V
BN-400x600	400x600	110V~380V	BN1000x1500	1000x1500	110V~380V

1. Use condition: environment temperature -20~+300°C, Relative temperature <80%
2. Leakage current<0.5mA
3. Insulation resistance=100MΩ
4. Ground resistance<0.1
5. Voltage resistance: no electric breakdown for 1 minute under 1500V
6. Temperature endurance:450°C
7. Power deviation:+5%-10%

Note: Other models are available according to your specifications. Power will manufacture it according to customer require.

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排水管加热带 Drain Pipe heating belt

产品实物图/Picture of Products



应用范围:

冷风机运转一段时间后，风机的风叶上会结冰需要清理，让融化的水通过排水管排出室外。由于排水管有部分呈垂直状，所以容易结冰。本设备会安装在垂直管道内，避免结冰现象，可预防排水管堵塞在管道内，造成设备停机。加热管直接安装在排水管上，在化霜时将加热管通电使水管材料解冻。

特性:

1. 完全防水设计
2. 接地保护
3. 插头密封，避免受潮
4. 橡胶绝缘使用寿命范围：-40℃至+200℃

Application Field

After the air cooler operates for some time, its blade will freeze, at the time, the antifreezing heating wire can be used for defrosting to let molten water discharge out of the refrigerator through the drain pipe.

As the front end of the drain pipe is installed in the refrigerator, defrosted water is frozen under 0° C to block the drain pipe, and heating wire is needed to install to ensure that defrosted water doesn't freeze in the drain pipe. The heating wire is installed in the drain pipe to defrost and heat the pipe at the same time to let water exhaust smoothly.

部分产品型号/Some Type of Drain Pipe Heating Belt

加热芯 Heating wire	镍铬合金或 NiCr or Cu-Ni Alloy	Length/ft	40W/ft	50W/ft
加热体尾 Tail End of Heating Body	硅胶体密封尾端 Seal Tail End of Colloid Silica	10	40V	50V
最高表面温度 Max Surface Temperature	200°C	1.5	60V	75V
最低表面温度 Min. Surface Temperature	-60°C	2.0	80V	100V
耐压/Withstand Voltage	AC2500 V/min	3.0	120V	150V
电压/Voltage	110-230V	4.0	160V	200V
加热带尺寸/Shape	Average±5mm	5.0	200V	250V
绝缘电阻/Insulation Resistance	≥200MΩ	6.0	240V	300V

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发酵，鱼缸加热带 Fermentation heating Belt

产品实物图/Picture of Products



Fermenter Heating Belt

1. Maintain optimal fermenting temperature during cold months
2. Easy to wrap around any size fermenter
3. Improved brewing results in cold climate
4. ESSENTIAL TO ANY HOME BREWERY

Why use a heating belt?

Accurate temperature control is vital for maintaining optimal conditions for your brew. Correct temperature control will reduce the chance of brew infection or stuck fermentation which are the most common home brewing problems.

Why chose a heating belt over a heating pad?

Heating belts give greater control over heating the fermenter. To increase the heat transferred to the fermenter simply move the heating belt down. To decrease the heat, move the heating belt up. The other advantage of heating belts are they heat the beer itself not the yeast bed. Heating pads sit underneath the fermenter and heat the yeast bed causing which is why heating belts are preferable to pads

Customized Designs and Options

TYPE	Voltage	Power	Length of belt	Color	Dimmer Switch	Plug
BN-F-90-2	110V-240V	25W	900mm	Black	No	Australian Plug
BN-F-90-4	110V-240V	21W	900mm	Black/Red/Blue/Yellow	No	USA Plug
BN-F-90-4C	110V-240V	21W	900mm	Black/Red/Blue/Yellow	Yes	European Plug
BN-F-51-4	110V-240V	12W	510mm	Black/Red/Blue/Yellow	No	UK Plug
BN-F-51-4C	110V-240V	12W	510mm	Black/Red/Blue/Yellow	Yes	

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