

Defrost heating element

Application

Defrosting heating element is designed for defrosting hard of various kinds of freezer , refrigerator . It is adopted the stainless steel as the base material. Any shape to the user’s requirements This properties of the product are defrosted effectually, The insulating resistance is excellent , corrosion-resistant, resist and wear out ,It is safe and reliable to carry the sealed dampproof performance of the end which obtained the national patent. The quality indexes of the products and technical indicator are all better than JB/T2379-93 standard.

Features

1.Defrosting Heating Element is Apply inRefrigerator, Freezer ,Evaporator ,Unit cooler , Condenser.
2.The material of tube is Incoloy840, 800, stainless steel 304, 321, 310S, aluminum.
3.The diameter of tube is 6.5 mm, 8 mm, 8.5mm,9mm,10mm,11mm& 12mm, 14mm,16mm and so on.
4. Ambient temperature: -60°C ~ +125°C
5. High- voltage in Test : 16,00V/ 5S
6. Firmness of connection end: ≥50N
7. High temperature molded Neoprene
8. Can be manufactured to proper length

Technical Data

1.Insulation resistance:500MΩ
2.Leakage current to be 0.5ma max While energized at rated voltage
3.Power tolerance:+5%,-10%
4.Voltage:12V-440V
5.Diameter range:4.5mm to 20mm
6.Heating resistance wire:0Cr25Al5,Cr20Ni80 or as custom'es requirement
7.Air tubular heater wattage : ≥ 1w-5w/cm2

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Item & Description

Defrost heating element for air cooler and freezer

TYPE: BN-A



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-A

型号：Type No.	A(MM)	功率 :Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)	
BN-A-500	500	200W	6.5, 8, 8.5, 9,10,11,12mm	700mm	1.D1=6.5mm	D2=8mm
BN-A-1000	1000	400W	6.5, 8, 8.5, 9,10,11,12mm	700mm	2.D1=6.5mm	D2=8mm
BN-A-1500	1500	550W	6.5, 8, 8.5, 9,10,11,12mm	700mm	3.D1= 8mm	D2=9.5mm
BN-A-2000	2000	700W	6.5, 8, 8.5, 9,10,11,12mm	700mm	4.D1=8.5mm	D2=9.5mm
BN-A-2500	2500	850W	8, 8.5, 9,10,11,12mm	700mm	5.D1=9mm	D2=10mm
BN-A-3000	3000	1050W	8, 8.5, 9,10,11,12mm	700mm	6.D1=10mm	D2 =16mm
BN-A-3500	3500	1250W	8, 8.5, 9,10,11,12mm	700mm	7.D1=11mm	D2=16mm
BN-A-4000	4000	1400W	8, 8.5, 9,10,11,12mm	700mm	8.D1=12mm	D2=16mm
BN-A-5000	5000	1750W	8, 8.5, 9,10,11,12mm	700mm		
BN-A-6000	6000	2100W	8, 8.5, 9,10,11,12mm	700mm		

TYPE: BN-AA



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-AA

型号：Type No.	A(MM)	功率 :Power(W)	ϕ D1(MM)	B(MM)	ϕD2(MM)	
BN-AA-500	500	400W	6.5, 8, 8.5, 9,10,11,12mm	300mm	1.D1=6.5mm	D2=8mm
BN-AA-1000	1000	800W	6.5, 8, 8.5, 9,10,11,12mm	300mm	2.D1=6.5mm	D2=8mm
BN-AA-1500	1500	1100W	6.5, 8, 8.5, 9,10,11,12mm	300mm	3.D1= 8mm	D2=9.5mm
BN-AA-2000	2000	1400W	6.5, 8, 8.5, 9,10,11,12mm	300mm	4.D1=8.5mm	D2=9.5mm
BN-AA-2500	2500	1600W	8, 8.5, 9,10,11,12mm	300mm	5.D1=9mm	D2=10mm
BN-AA-3000	3000	2100W	8, 8.5, 9,10,11,12mm	300mm	6.D1=10mm	D2 =16mm
BN-AA-3500	3500	2250W	8, 8.5, 9,10,11,12mm	300mm	7.D1=11mm	D2=16mm
BN-AA-4000	4000	2800W	8, 8.5, 9,10,11,12mm	300mm	8.D1=12mm	D2=16mm
BN-AA-5000	5000	3400W	8, 8.5, 9,10,11,12mm	300mm		
BN-AA-6000	6000	4000W	8, 8.5, 9,10,11,12mm	300mm		

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TYPE: BN-U



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

型号：Type No.	A(MM)	功率 :Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)	
BN-U-500	500	400W	6.5, 8, 8.5, 9,10,11,12mm	108mm	1.D1=6.5mm	D2=8mm
BN-U-800	800	640W	6.5, 8, 8.5, 9,10,11,12mm	108mm	2.D1=6.5mm	D2=8mm
BN-U-1000	1000	800W	6.5, 8, 8.5, 9,10,11,12mm	108mm	3.D1= 8mm	D2=9.5mm
BN-U-1200	1200	900W	8, 8.5, 9,10,11,12mm	108mm	4.D1=8.5mm	D2=9.5mm
BN-U-1500	1500	1100W	8, 8.5, 9,10,11,12mm	108mm	5.D1=9mm	D2=10mm
BN-U-2000	2000	1400W	8, 8.5, 9,10,11,12mm	108mm	6.D1=10mm	D2 =16mm
BN-U-2500	2500	1600W	8, 8.5, 9,10,11,12mm	108mm	7.D1=11mm	D2=16mm
BN-U-2800	2800	1900W	8, 8.5, 9,10,11,12mm	108mm	8.D1=12mm	D2=16mm
BN-U-3000	3000	2100W	8, 8.5, 9,10,11,12mm	108mm		

TYPE: BN-UB



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

型号：Type No.	A(MM)	功率 :Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)	
BN-U-500	500	400W	6.5, 8, 8.5, 9,10,11,12mm	108mm	1.D1=6.5mm	D2=8mm
BN-U-800	800	640W	6.5, 8, 8.5, 9,10,11,12mm	108mm	2.D1=6.5mm	D2=8mm
BN-U-1000	1000	800W	6.5, 8, 8.5, 9,10,11,12mm	108mm	3.D1= 8mm	D2=9.5mm
BN-U-1200	1200	900W	8, 8.5, 9,10,11,12mm	108mm	4.D1=8.5mm	D2=9.5mm
BN-U-1500	1500	1100W	8, 8.5, 9,10,11,12mm	108mm	5.D1=9mm	D2=10mm
BN-U-2000	2000	1400W	8, 8.5, 9,10,11,12mm	108mm	6.D1=10mm	D2 =16mm
BN-U-2500	2500	1600W	8, 8.5, 9,10,11,12mm	108mm	7.D1=11mm	D2=16mm
BN-U-2800	2800	1900W	8, 8.5, 9,10,11,12mm	108mm	8.D1=12mm	D2=16mm
BN-U-3000	3000	2100W	8, 8.5, 9,10,11,12mm	108mm		

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TYPE: BN-B



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-B

型号：Type No.	A(MM)	功率：Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)	
BN-B-500	500	200W	6.5, 8, 8.5, 9,10,11,12mm	700mm	1.D1=6.5mm	D2=8mm
BN-B-1000	1000	400W	6.5, 8, 8.5, 9,10,11,12mm	700mm	2.D1=6.5mm	D2=8mm
BN-B-1500	1500	550W	6.5, 8, 8.5, 9,10,11,12mm	700mm	3.D1= 8mm	D2=9.5mm
BN-B-2000	2000	700W	6.5, 8, 8.5, 9,10,11,12mm	700mm	4.D1=8.5mm	D2=9.5mm
BN-B-2500	2500	850W	8, 8.5, 9,10,11,12mm	700mm	5.D1=9mm	D2=10mm
BN-B-3000	3000	1050W	8, 8.5, 9,10,11,12mm	700mm	6.D1=10mm	D2 =16mm
BN-B-3500	3500	1250W	8, 8.5, 9,10,11,12mm	700mm	7.D1=11mm	D2=16mm
BN-B-4000	4000	1400W	8, 8.5, 9,10,11,12mm	700mm	8.D1=12mm	D2=16mm
BN-B-5000	5000	1750W	8, 8.5, 9,10,11,12mm	700mm		
BN-B-6000	6000	2100W	8, 8.5, 9,10,11,12mm	700mm		

TYPE: BN-BB



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-BB

型号：Type No.	A(MM)	功率：Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)	
BN-B-500	500	200W	6.5, 8, 8.5, 9,10,11,12mm	700mm	1.D1=6.5mm	D2=8mm
BN-B-1000	1000	400W	6.5, 8, 8.5, 9,10,11,12mm	700mm	2.D1=6.5mm	D2=8mm
BN-B-1500	1500	550W	6.5, 8, 8.5, 9,10,11,12mm	700mm	3.D1= 8mm	D2=9.5mm
BN-B-2000	2000	700W	6.5, 8, 8.5, 9,10,11,12mm	700mm	4.D1=8.5mm	D2=9.5mm
BN-B-2500	2500	850W	8, 8.5, 9,10,11,12mm	700mm	5.D1=9mm	D2=10mm
BN-B-3000	3000	1050W	8, 8.5, 9,10,11,12mm	700mm	6.D1=10mm	D2 =16mm
BN-B-3500	3500	1250W	8, 8.5, 9,10,11,12mm	700mm	7.D1=11mm	D2=16mm
BN-B-4000	4000	1400W	8, 8.5, 9,10,11,12mm	700mm	8.D1=12mm	D2=16mm
BN-B-5000	5000	1750W	8, 8.5, 9,10,11,12mm	700mm		
BN-B-6000	6000	2100W	8, 8.5, 9,10,11,12mm	700mm		

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TYPE: BN-OB

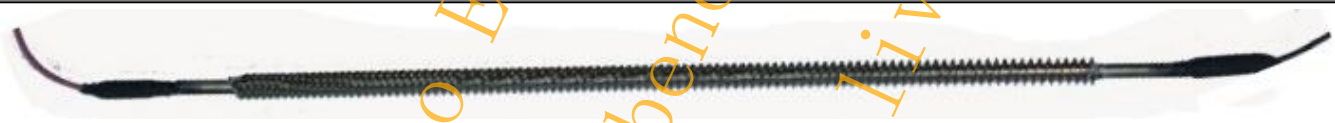


管子材料/Material of tube:	AISI304 321,316 Incoloy840	电压/Voltage:	110V-480V
管子直径/Diameter of tube	6.5, 8, 8.5, 9,10, 11,12mm	功率/Power	200W-3500W

部分产品型号/some Type of BN-U

型号：Type No.	A(MM)	功率 :Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)	
BN-U-500	500	400W	6.5, 8, 8.5, 9,10,11,12mm	108mm	1.D1=6.5mm	D2=8mm
BN-U-800	800	640W	6.5, 8, 8.5, 9,10,11,12mm	108mm	2.D1=6.5mm	D2=8mm
BN-U-1000	1000	800W	6.5, 8, 8.5, 9,10,11,12mm	108mm	3.D1= 8mm	D2=9.5mm
BN-U-1200	1200	900W	8, 8.5, 9,10,11,12mm	108mm	4.D1=8.5mm	D2=9.5mm
BN-U-1500	1500	1100W	8, 8.5, 9,10,11,12mm	108mm	5.D1=9mm	D2=10mm
BN-U-2000	2000	1400W	8, 8.5, 9,10,11,12mm	108mm	6.D1=10mm	D2 =16mm
BN-U-2500	2500	1600W	8, 8.5, 9,10,11,12mm	108mm	7.D1=11mm	D2=16mm
BN-U-3000	3000	2100W	8, 8.5, 9,10,11,12mm	108mm	8.D1=12mm	D2=16mm

TYPE: BN-Fin



The stainless steel slice will be coil on the heating element. The high of Fin will be 3mm or 5mm.
3mm 或者 5mm 的不锈钢翅片绕在电热管表面

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
翅片直径：Diameter of Fine	管子直径+6 或者 10mm,Diameter of tube+6mm or 10mm		

部分产品型号/some Type of BN-U

型号：Type No.	A(MM)	功率 :Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)	
BN-U-500	500	400W	6.5, 8, 8.5, 9,10,11,12mm	108mm	1.D1=6.5mm	D2=8mm
BN-U-800	800	640W	6.5, 8, 8.5, 9,10,11,12mm	108mm	2.D1=6.5mm	D2=8mm
BN-U-1000	1000	800W	6.5, 8, 8.5, 9,10,11,12mm	108mm	3.D1= 8mm	D2=9.5mm
BN-U-1200	1200	900W	8, 8.5, 9,10,11,12mm	108mm	4.D1=8.5mm	D2=9.5mm
BN-U-1500	1500	1100W	8, 8.5, 9,10,11,12mm	108mm	5.D1=9mm	D2=10mm
BN-U-2000	2000	1400W	8, 8.5, 9,10,11,12mm	108mm	6.D1=10mm	D2 =16mm
BN-U-2500	2500	1600W	8, 8.5, 9,10,11,12mm	108mm	7.D1=11mm	D2=16mm
BN-U-2800	2800	1900W	8, 8.5, 9,10,11,12mm	108mm	8.D1=12mm	D2=16mm
BN-U-3000	3000	2100W	8, 8.5, 9,10,11,12mm	108mm		

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融霜电加热管-冰箱

Defrost heating element for freezer

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

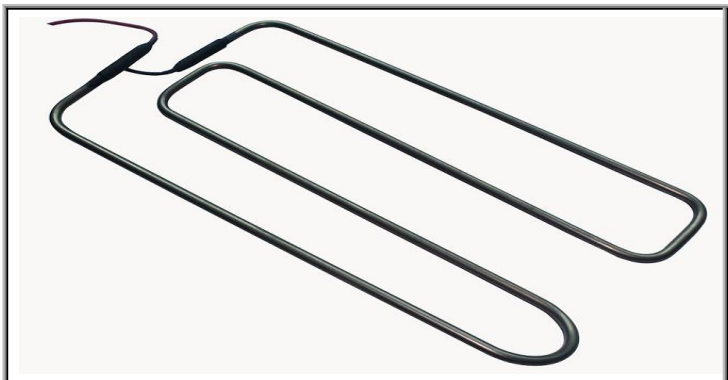
部分产品型号/some Type of BN-B-F

型号： Type No.	长度 A(MM)	长度： Inch	电压： Voltage	功率： Power(W)	ϕ D1(MM)	L(MM)	ϕD2(MM)
BN-U-F-305	305	12”	110V	250W	6.5mm	250mm	
	305	12”	220V	250W	6.5mm	250mm	D2=9.5mm
BN-U-F-355	355	14”	110V	280W	6.5mm	250mm	
	355	14”	220V	280W	6.5mm	250mm	
BN-U-F-406	406	16”	110V	300W	6.5mm	250mm	
	406	16”	220V	300W	6.5mm	250mm	
BN-U-F-457	457	18”	110V	335W	6.5mm	250mm	
	457	18”	220V	335W	6.5mm	250mm	
BN-U-F-508	508	20”	110V	375W	6.5mm	250mm	
	508	20”	220V	375W	6.5mm	250mm	
BN-U-F-533	533	21”	110V	395W	6.5mm	250mm	
	533	21”	220V	395W	6.5mm	250mm	
BN-U-F-558	558	22”	110V	415W	6.5mm	250mm	
	558	22”	220V	415W	6.5mm	250mm	
BN-U-F-584	584	23”	110V	455W	6.5mm	250mm	
	584	23”	220V	455W	6.5mm	250mm	
BN-U-F-610	610	24”	110V	475W	6.5mm	250mm	
	610	24”	220V	475W	6.5mm	250mm	

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

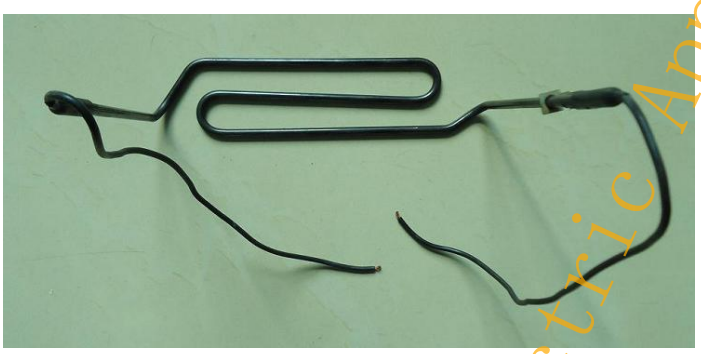
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BN-O-01



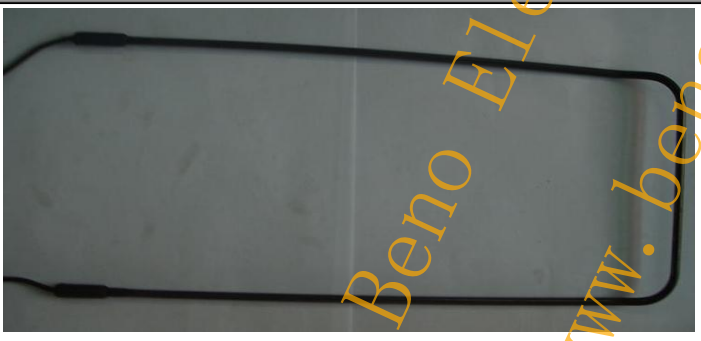
BN-O-02



BN-O-03



BN-O-04



BN-O-05



BN-O-06



BN-O-07



BN-O-08

Material of tube:	AISI304 321,316 Incoloy840,800
Voltage:	110V, 120V 220V 230V 240V 380V 415V 440V
Power	200W-2000W
Diameter of tube	6.5mm,8mm, 8.5mm 9mm,10mm 11mm 12mm

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

Packing	PE Bag/Paper Box/Plastic Box/Carton/Wooden Case/Customized
Port	Shanghai/Ningbo/Guangzhou/ Customized
Shipping	By Air/Sea/Customized
Payment	L/C, T/T, Customized



For more about our products and company please visit our website: www.benoindustry.com

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