



NIKOS

NIKOS SOLUTIONS PLT

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About NIKOS
SOLUTIONS PLT.

Features

1. Automatic self-cleaning.
2. Touch screen control.
3. No interruption to your process flow.
4. Super ability of removing Ferro scraps, standard power 8500Gs at room temperature as listed specification. If needed, Max Magnetic magnetic strength can reach 10000Gs, max working temperature is 250°C.
5. With 5/4 arrangement of double magnetic

特点

1. 铁屑自动清理。
2. 触摸屏输入程序控制。
3. 可以24小时及以上的连续无间断的作。
4. 普通系列表磁8500GS, 工作温度 $\leq 80^{\circ}\text{C}$, 如果需要, 可以设计高达10000GS磁场以及最高工作温度 250°C , 具有超强的除铁能力。
5. 配备5/4 排列双层磁力架。



Application

Ideal for removing fine iron or ferromagnetic scraps from a range of dry free flowing materials such as sugar, grain, tea, etc.

应用

适用于干燥粉体和颗粒状物料的磁性杂质自动分离。



SELF-CLEANING MAGNETIC GRATE SEPARATOR 程序控制气动除铁器



General Description :

Program Controlled Pneumatic Magnetic Separator, also named Self Cleaning Magnetic Grate Separator, is designed to continuously remove contamination from the materials without any interruption.

Features:

1. Automatic self-cleaning.
2. Touch screen control.
3. No interruption to your process flow.
4. Super ability of removing Ferro scraps, standard power 8500Gs at room temperature as listed specification. If needed, Max Magnetic magnetic strength can reach 10000Gs, max working temperature is 250°C.
5. Two row magnetic grids for the standard model as listed, if needed, custom specification is also available.

产品说明:

程序控制气动除铁器,又叫气动自清洁磁性除铁器是专门为连续工作的生产线设计的能够连续自动除铁的磁性分离器。

特点:

1. 铁屑自动清理。
2. 触摸屏输入程序控制。
3. 可以24小时及以上的连续无间断的工作。
4. 普通系列表磁8500GS, 工作温度 $\leq 80^{\circ}\text{C}$, 如果需要, 可以设计高达10000GS磁场以及最高工作温度 250°C , 具有超强的除铁能力。
5. 标准的型号配备双层磁力架, 如果有其它特殊要求, 欢迎订做。

SELF-CLEANING MAGNETIC GRATE SEPARATOR

程序控制气动除铁器

NIKOS

Applications:

Ideal for removing fine iron or ferromagnetic scraps from a range of dry free flowing materials such as sugar, grain, tea, etc.

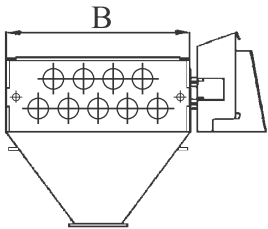
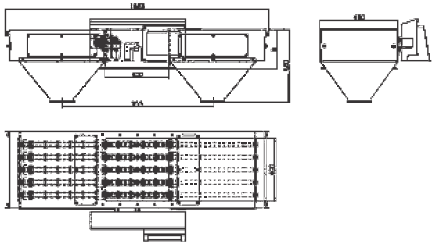
应用：

适用于干燥粉体和颗粒状物料的磁性杂质自动分离。

Specification 设备参数:

1. Self-cleaning Magnetic grate separator list for square inlet and outlet.
方形进出口系列

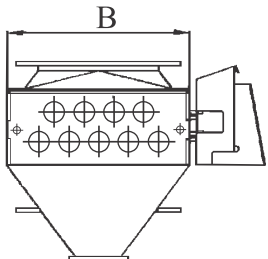
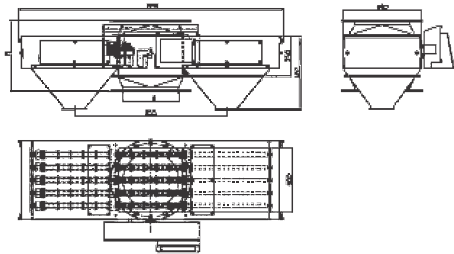
Model NO 型号	Dimension (mm) 尺寸						BAR QTY 磁棒数量	
	A	B	h	H	L1	L	1st Layer	2nd Layer
NS-S-PCPS40/40SN	400	490	250	460	955	1669	4	5



Specification 设备参数:

2. Self-cleaning Magnetic grate separator list for round inlet and outlet.
圆形进出口系列

Model NO 型号	Dimension (mm) 尺寸						BAR QTY 磁棒数量	
	øA	B	h	H	L1	L	1st Layer	2nd Layer
NS-S-PCPS 300RN	325	490	250	460	955	1669	4	5



程序控制气动除铁器

General Description:

Magnetic Liquid Traps or Magnetic Liquid Filters are designed for liquid or semi-liquid flow systems to remove ferrous contamination from liquid with different viscosity level. They preserve product purity by removing small contaminants, provide magnetic protection for liquid lines and processing equipments.

Features:

1. Many different styles are available for different materials.
2. The max magnetic strength can reach 12,000GS for N style, 8000Gs for E style.
3. Standard working temperature $<80^{\circ}\text{C}$, max working temperature can be choose from 80°C to 350°C as the same with magnetic bars if needed.
4. Connection can be through ferrule, bolt plate, flange or uneven head, etc.
5. Stainless steel 304 or 316L is available for shell material.
6. Properly designed magnetic configuration ensures maximum magnetic effect without impeding liquid flow.
7. Pressure design or other special requirement can be custom made.

1. N style Magnetic Liquid Trap:

Magnetic Strength: Up to the highest 12,000GS(1.2T)

产品说明:

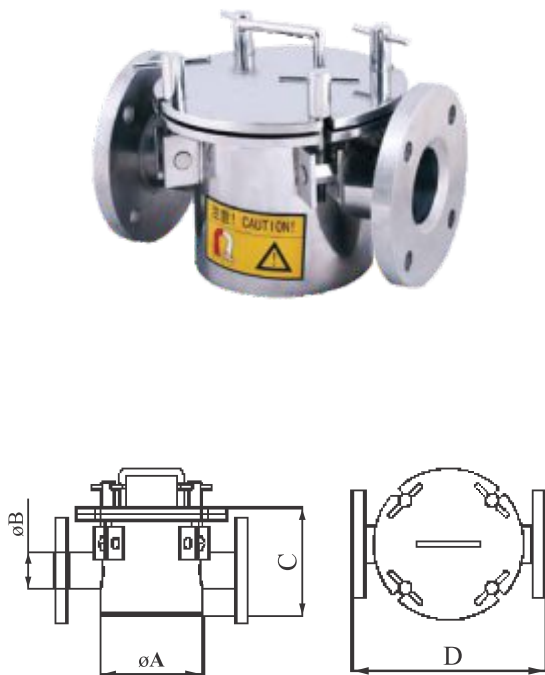
流动管道除铁器,又叫磁性流体除铁器或者磁性流体过滤器,应用于流体,半流体等不同粘性的流体物料中,去除铁杂物质和其他铁磁性微粒,使物料保持清洁,同时又起到保护下游生产设备的作用。

特点:

1. 为适应各种不通的使用条件,西磁铁业开发了多种不同类型的流体除铁器。
2. 磁力可选择范围同磁力架,普通型(N style)可达12000GS易清洗型(E style)8000GS。
3. 标准工作温度 $\leq 80^{\circ}\text{C}$,特殊要求下,最大工作温度可达 350°C 。
4. 利用法兰,卡箍,螺栓板或者快速释放夹口等设计,可以轻松安装,取出和清理磁性部件。
5. 管道材料有304或者316L 不锈钢可选。
6. 合理的结构设计,确保最好的除铁效果的同时,不妨碍物料的流动。
7. 压力使用要求或者其他特殊要求,可以根据客户要求。

1. 普通型流体除铁器:

最大磁感应强度可达12,000GS (1.2T)

**Specifications 设备参数:**

Model NO 型号	Dimension(mm)尺寸				No. of Rods 磁棒数量	Weight (Kg) 重量
	øA	øB	C	D		
NS-SWFL150/25	159	32	167	300	5	12
NS-SWFL150/32	159	38	167	300	5	17
NS-SWFL150/40	159	45	167	300	5	18
NS-SWFL150/50	159	57	167	300	5	21
NS-SWFL150/65	159	76	167	300	5	23
NS-SWFL200/50	200	57	206	350	7	27
NS-SWFL200/65	200	76	206	350	7	29
NS-SWFL200/80	200	89	206	350	7	30
NS-SWFL200/100	200	108	228	400	7	33
NS-SWFL250/80	250	89	250	400	9	40
NS-SWFL250/100	250	108	250	400	9	42
NS-SWFL250/125	250	138	250	400	9	44
NS-SWFL250/150	250	159	300	450	9	50
NS-SWFL300/125	300	138	300	450	9	58
NS-SWFL300/150	300	159	300	450	9	62
NS-SWFL300/200	300	219	346	500	9	72

2. Easy-Clean Magnetic Liquid Trap:

Magnetic Strength: The highest is 8000GS(0.8T)

2. 易清洗型流体除铁器：

最大磁感应强度可达8,000GS (0.8T)

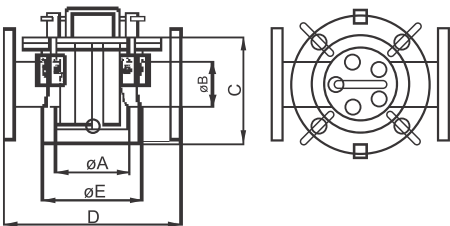


3. Insulation Style Magnetic Liquid Trap:

Insulation Style Liquid Traps or Filters have a jacket filled with hot water or oil that keep liquid warm enough when it pass through the traps. Ideal choice for chocolate, syrups, jams and sauces to removing ferrous contamination.

3. 保温型流体除铁器：

保温型流体除铁器带有夹层, 可以填充水, 油等保温材料, 以确保满足流过的液体物料的要求, 是巧克力, 果酱, 糖浆等物料除铁的理想选择。



Specifications 设备参数:

Model NO 型号	Dimension (mm) 尺寸					No. of Rods 磁棒数量	Weight (Kg) 重量
	øA	øE	øB	C	D		
NS-SWFLD125/25	125	168	32	185	300	5	21
NS-SWFLD125/32	125	168	38	185	300	5	22
NS-SWFLD125/40	125	168	45	185	300	5	23
NS-SWFLD125/50	125	168	57	185	300	5	24
NS-SWFLD125/65	125	168	76	185	300	5	25
NS-SWFLD160/50	160	219	57	220	360	7	32.5
NS-SWFLD160/65	160	219	76	220	360	7	34
NS-SWFLD160/80	160	219	89	220	360	7	36
NS-SWFLD160/100	160	219	108	220	360	7	37.5

4. Magnetic Liquid with Clamp Connection:

Magnetic Strength : Up to the highest 12,000GS(1.2T)

4. 快速接口型流体除铁器:

最大磁感应强度可达12, 000GS (1.2T)

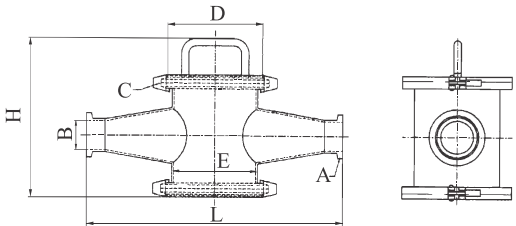


Option: Food Grade Welding
可选: 食品级焊接



Specifications 设备参数:

Model NO 型号	Dimension (mm) 尺寸							No. of Rods 磁棒数量
	A	B	C	D	E	L	H	
NS-SW-S15-25	1.5S	35.7	4.5S	130	114	330	240	5
NS-SW-S20-25	2S	47.8	4.5S	130	114	330	240	5
NS-SW-S25-25	2.5S	59.5	5.5S	155	140	420	260	7
NS-SW-S30-25	3S	72.3	5.5S	155	140	420	260	7
NS-SW-S35-25	3.5S	85.1	5.5S	155	140	420	260	7



*A.C: Clamp Size A.C: 卡箍规格

MAGNETIC LIQUID TRAP

流动管道除铁器

NIKOS

流动管道除铁器

5. Magnetic Liquid Trap with Clamp Connection:

Magnetic Strength: Up to the highest 12,000GS(1.2T)

5. 快速接口型流体除铁器：

最大磁感应强度可达12,000GS (1.2T)



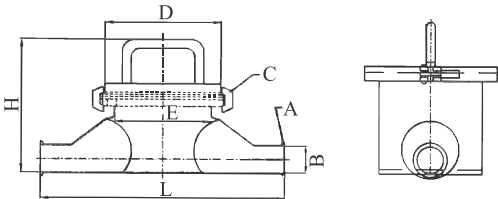
Option: Food Grade Welding

可选:食品级焊接



Specifications 设备参数:

Model NO 型号	Dimension (mm) 尺寸							No. of Rods 磁棒数量
	A	B	C	D	E	L	H	
NS-SW-OS15-25	1.5S	35.7	4.5S	130	114.3	330	180	5
NS-SW-OS20-25	2S	47.8	4.5S	130	114.3	330	180	5
NS-SW-OS25-25	2.5S	59.5	5.5S	155	139.8	420	205	7
NS-SW-OS30-25	3S	72.3	5.5S	155	139.8	420	205	7
NS-SW-OS35-25	3.5S	85.1	5.5S	155	139.8	420	205	7



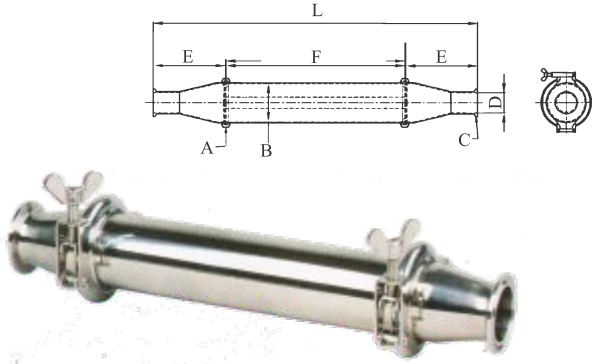
*A.C: Clamp Size A.C: 卡箍规格

6. Magnetic Liquid Trap with Clamp Connection:

Magnetic strength: The highest is 12000GS(1.2T)

6. 快速接口型流体除铁器:

最大磁感应强度可达12,000GS(1.2T)



Specifications:

设备参数:

Model NO 型号	Dimension (mm) 尺寸						
	A	øB	C	øD	E	F	L
NS-SW-E10	2S	47.8	1S	23	60	226	350
NS-SW-E10-1	2S	47.8	1S	23	55	226	340
NS-SW-E15	2S	47.8	1.5S	35.7	60	226	350
NS-SW-E20	2.5S	59.5	2S	47.8	110	226	450

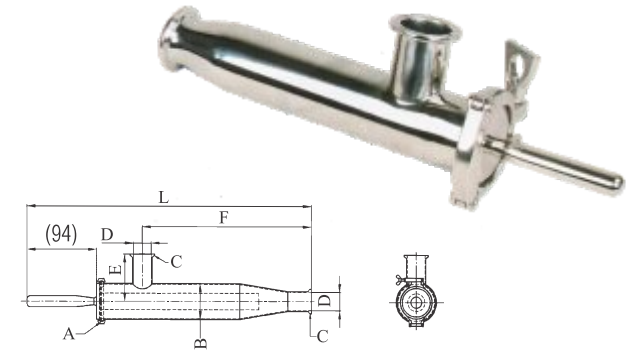
*A.C: Clamp Size A.C: 卡箍规格

7. Magnetic Liquid Trap with Clamp Connection:

Magnetic strength: The highest is 12,000GS(1.2T)

7. 快速接口型流体除铁器:

最大磁感应强度可达12,000GS(1.2T)



Specifications:

设备参数:

Model NO 型号	Dimension (mm) 尺寸						
	A	øB	C	øD	E	F	L
NS-SW-E10	2S	47.8	1S	23	55	200	(359)
NS-SW-E15	2S	47.8	1.5S	35.7	70	200	(359)
NS-SW-E20	2.5S	59.5	2S	47.8	82	250	(416)

*A.C: Clamp Size A.C: 卡箍规格

How to choose proper Food Grade Liquid Trap:

1. Material:
Ss316
Seamless Stainless Steel Tube
2. Wedding
Food Grade Welding
3. Working temperature of magnetic bar:
Eg. Design temperature 120°C, to compensate the lower magnetic field under constant working temperature of 80°C.

如何选择食品级流体除铁器:

1. 材质:
SS316
无缝钢管
2. 焊接工艺:
食品级焊接
3. 磁棒工作室:
例如:按120°C设计, 补偿80°C工作温度下的磁场衰减。



旋转式除铁器

Features:

1. Quick detachable design for magnetic grate means easy disassembling, cleaning and reassembling.
2. The Max magnetic strength can reaches 12,000GS. Standard working temperature up to 350°C if needed.
3. The quantity of magnetic bar can bar can be increased or reduced according to the materials.
4. Square chute or round pipeline flange is available for different connections.
5. Rotating magnetic bar can prevent the material from caking and bridging.

Applications:

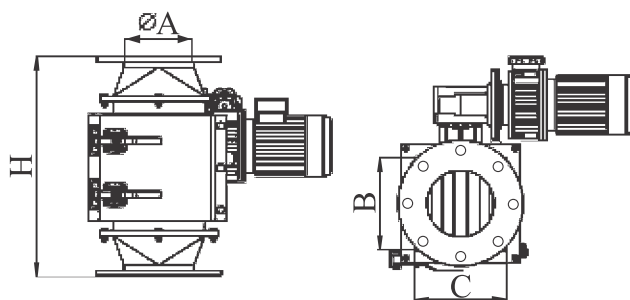
Suitable for removing iron scrap or micro ferromagnetic contamination from powdery or granule materials, especially from high viscosity or poor fluidity materials that is prone to caking or bridging, widely used in building, they are materials, chemical, coal, food, refractory, pharmacy, etc.

特点:

1. 快速打开式结构设计, 清理以及安装方便。
2. 最大磁场可达12000GS, 普通产品工作温度 $\leq 80^{\circ}\text{C}$, 如需要, 最大工作温度可达 350°C 。
3. 磁棒数量按物料特性可调整。
4. 进出口可以设计成法兰或方形接口, 可以方便的安装在各种管道上。
5. 转动的磁棒可以防止物料结块堵塞。

应用:

旋转式磁性除铁器被广泛的应用于建筑材料, 化工, 煤炭, 食品, 耐火材料以及制药等行业中, 适用于粉状或者颗粒状物料的除铁, 是易结块, 塔桥堵塞的粘性或者流动性不好的物料中清除铁磁性杂质的良好选择。



Specifications 设备参数:

Model NO 型号	Dimension (mm) 尺寸					No. of Rods 磁棒数量	Weight (Kg) 重量
	øA	B	C	H	KW		
NS-MRG150	150	205	208	450	0.25	7	43
NS-MRG200	200	255	258	500	0.25	9	54
NS-MRG250	250	305	308	550	0.25	11	62
NS-MRG300	300	355	358	600	0.37	13	72
NS-MRG350	350	405	408	650	0.37	15	84
NS-MRG2020	-	205	208	270	0.25	7	29
NS-MRG2525	-	255	258	320	0.25	9	38
NS-MRG3030	-	305	308	370	0.25	11	43
NS-MRG3535	-	355	358	420	0.37	13	52
NS-MRG4040	-	405	408	450	0.37	15	62.5



Features:

1. Normal magnetic drawer (N Style) with max magnetic strength 12000Gs and Easy-cleaning magnetic drawer (E Style) with max 8000Gs are available.
2. Square chutes and round pipelines flange can be chosen to suit each customer's requirement for easy installation.
3. Standard working temperature $<80^{\circ}\text{C}$, if needed. Max working temperature from 80°C to 350°C is also available.
4. One row, two rows or more rows magnetic grid can be produced according to customer requirement.
5. Housing and magnetic tube material are 304 or 316L stainless steel as customer request.

Applications:

Magnetic Drawers are designed for efficient fine iron and ferromagnetic contamination removing from a range of dry free flowing powdery, scrap, granule product such as sugar, grain, tea, etc. They are widely used in field of ceramics, chemicals, pharmacy, food, plastic, rubber, dyestuff, mining, environmental protection, etc.

- 1. N Style:** Normal magnetic drawer
N型: 普通型磁性抽屉除铁器

Specifications 设备参数:

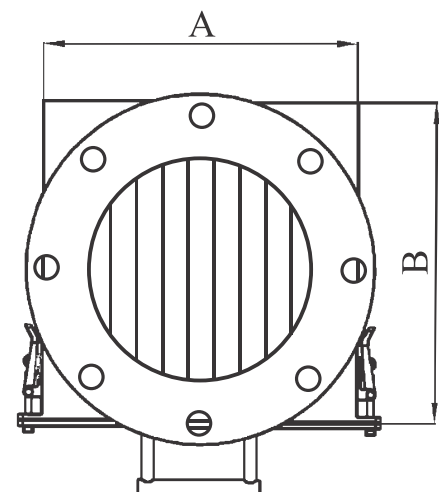
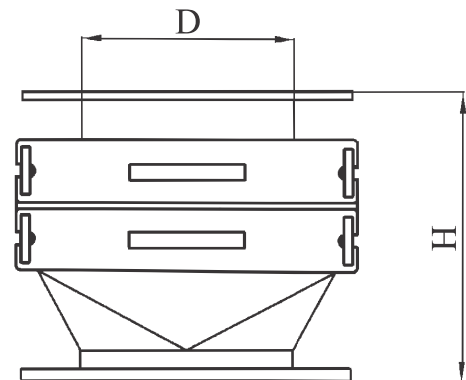
Model NO 型号	Dimension(mm)尺寸				Weight (Kg) 重量
	D	H	A	B	
NS-SWd-NR-150	159	286	208	205	20
NS-SWd-NR-200	219	286	258	255	28
NS-SWd-NR-250	273	286	308	305	33
NS-SWd-NR-300	325	286	358	355	43
NS-SWs-NR-150	159	216	208	205	16
NS-SWs-NR-200	219	216	258	255	20
NS-SWs-NR-250	273	216	308	305	24
NS-SWs-NR-300	325	216	358	355	31

特点:

1. 有普通型 (N型) (最大磁场12000Gs) 和易清洗型 (E型) (最大磁场8000Gs) 磁性抽屉除铁器可供选择。
2. 进出口可以设计成圆形法兰或方形接口, 可以按客户要求方便的安装在各种管道上。
3. 普通产品工作温度 $\leq 80^{\circ}\text{C}$, 如需要, 也可以提供最大工作温度可 80°C - 350°C 产品。
4. 磁力架可以根据客户要求, 提供单层, 双层或多层。
5. 抽屉材料有304和316L不锈钢可供选择。

应用:

磁性抽屉除铁器被广泛地应用在陶瓷, 化工, 塑料, 橡胶, 染料, 矿业, 环境保护等领域, 用于干性的粉末状, 片状, 颗粒状等材料中清除铁磁性杂质, 例如白糖, 谷物, 茶叶等。



MAGNETIC DRAWER
抽屉式除铁器

NIKOS

抽屉式除铁器

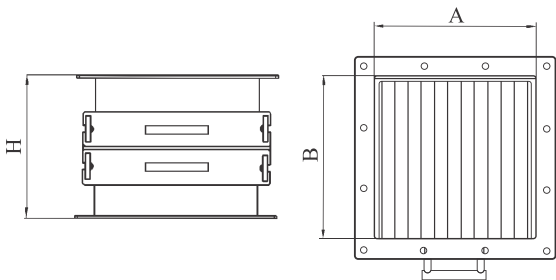


Applications:

"d"stand for double rows
"s"stand for single rows
"N"stand for standard square
"R"stand for round flange top
"S"stand for square flange top

应用：

"d" 表示双排
"s" 表示单排
"N" 表示标准型
"R" 表示圆形法兰
"S" 表示方形法兰



Specifications 设备参数:

Model NO 型号	Dimension(mm)尺寸			Weight (Kg) 重量
	H	A	B	
NS-SWd-NS-2020	270	208	205	16.5
NS-SWd-NS-2025	270	258	255	25.5
NS-SWd-NS-3030	270	308	305	32.5
NS-SWd-NS-3535	270	358	355	39
NS-SWd-NS-4040	270	408	405	50
NS-SWs-NS-2025	270	208	205	12.5
NS-SWs-NS-2025	270	258	255	19.5
NS-SWs-NS-3535	270	308	305	23.2
NS-SWs-NS-3535	270	358	355	27
NS-SWs-NS-4040	270	408	405	35.5

2. E style: Easy-cleaning Drawer Magnet
E型:易清洗型磁性抽屉除铁器

Advantage: Cleaning is simple
优势:易清洗

Specification: Same as N style
尺寸规格: 同N型

Features:

1. Frame and tube material is 304 or 316L stainless steel, good corrosion resistance and no pollution.
2. Standard magnetic grates are assembled with stainless steel frame and 25mm diameter round bars.
3. The frame and magnetic bar surface can be fine polished and full welded to meet food grade or pharmacy application.
4. Standard working temperature $< 80^{\circ}\text{C}$, if needed max. Working temperature from 80°C to 350°C is also available.
5. Normal item (N style), Easy-cleaning (E-style), grate with angle baffles or rod are available.

Applications:

Magnetic Grate is installed or simply laid-inside of hoppers, housings, and bins to trap and hold ferrous fines, fragments, and small metal objects. Please be aware these grates are built for low-abrasion materials.

1. N Style: Normal magnetic grate:

1. N型: 普通型磁力架

1.1 Square shape series 方形系列

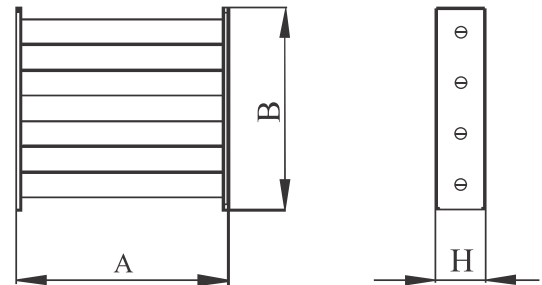
Max magnetic strength 12000GS 最大表磁12000GS

特点:

1. 架子以及管子材料是304或者316L 不锈钢, 耐腐蚀, 无污染。
2. 标准磁力架由金属架和25mm直径的磁力棒以中心距离50mm的间距排列之后, 螺丝固定组装或者焊接而成。
3. 磁力架, 磁棒表面可以抛光, 以达到食品或者药品使用等级要求。
4. 最普通产品工作温度 $\leq 80^{\circ}\text{C}$, 如需要, 也可以提供最大工作温度可 80°C - 350°C 的产品。
5. 普通型, 易清洗型, 带导流棒或者导流板型, 方形, 圆形以及客户要求的其他特殊规格都可以提供。

应用:

磁力架安装或者简单放置在储料器, 抽屉箱, 料斗等地方, 用于捕捉清除铁屑, 铁片以及其他一些金属物质。对于高磨损物料应用, 需要特别提出。



Specifications 设备参数:

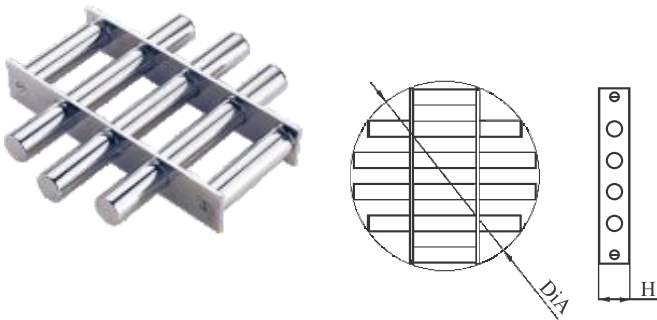
Model NO 型号	Dimension(mm)尺寸			Bars	Weight (Kg) 重量
	A	B	H		
NS-SWGMG10/10S	100	100	40	2	1
NS-SWGMG15/15S	150	150	40	3	2.2
NS-SWGMG20/20S	200	200	40	4	3.7
NS-SWGMG25/25S	250	250	40	5	5.5
NS-SWGMG30/30S	300	300	40	6	8
NS-SWGMG35/35S	350	350	40	7	10
NS-SWGMG40/40S	400	400	40	8	13.5
NS-SWGMG45/45S	450	450	40	9	17
NS-SWGMG50/50S	500	500	40	10	20.5



1.2 Round shape series 圆形系列

Welded series: Max magnetic strength 11000GS
Screw fix series: 12000GS

焊接系列:最大表磁11000GS
螺丝固定系列:12000GS



Specifications 设备参数:

Model NO 型号	DiA	H	Bars	Weight (Kg) 重量
NS-SWMG-R100	100	40	2	0.9
NS-SWMG-R150	150	40	3	1.5
NS-SWMG-R200	200	40	4	2.5
NS-SWMG-R250	250	40	5	3.7
NS-SWMG-R300	300	40	6	5.5
NS-SWMG-R350	350	40	7	7.5
NS-SWMG-R400	400	40	8	10
NS-SWMG-R450	450	40	9	12.3
NS-SWMG-R500	500	40	10	15.5

2. E style: Easy-cleaning Magnetic grate:
Dimension can refer N style, the max magnetic strength 8000GS
Advantage: Easy cleaning

2. E型:易清洗型磁力架:
尺寸可以参考N型, 最大磁场8000GS
优点:易清洗



3. Grate with stainless steel rod baffles (DIA.6mm):
Baffles can direct materials flow across the strong magnetic field to improve efficiency.

3. 带不锈钢导流棒磁力架:
导流棒可以使物料尽量从高磁场表面经过, 提高对细微颗粒的除铁效果。



4. Grate with 90°angular baffles
4. 带直角导流板磁力架



5. Magnetic Grate with Food Grade Welding
5. 食品级焊接



Features:

1. Standard bars is 25mm (1 inch) in diameter and any length per customer's request, the Max length up to 2500mm, square or other magnetic tubes with different shapes and dimensions are also available.
2. Nikos magnetic bar usually made of seamless 304 stainless steel tubes or 316 stainless steel tubes can be fine polished and full welded to meet food grade or pharmacy application.
3. Usual max working temperature is 80°C, we can offer up to 350°C to meet your special applications.
4. Various ends-nail head, thread hole, double screw bolt and other kind ends are also available.
5. By using ferrite magnets or different grade rare earth magnets, different magnetic strength are available to meet every customer's requirement, the highest magnetic strength of Diameter 25mm(1 inch)tubes can achieve 12,000GS(1.2T).

Applications:

Magnetic bars are the main part of different magnetic grate separators. They can effectively remove ferrous chips and metal particles from loosely packed, free flowing materials.

特点:

1. 标准的圆柱形磁棒直径是25mm (1英寸), 长度可根据客户要求加工, 最长的可以达到2500mm。方形或者其他不同形状尺寸的磁棒也可以提供。
2. Nikos磁业的磁力棒通常使用304或者316L 无缝不锈钢管, 里面可以抛光, 以符合食品, 制药等领域的特殊需求。
3. 我们常规产品最大工作温度是80°C, 针对客户特殊需要, 我们能提供最高工作温度达350°C的产品。
4. 多样化的两端设计——尖头, 螺纹孔、螺柱等。
5. 使用铁氧体永磁以及不同牌号的稀土永磁, 可以产生不同表磁的磁力棒以满足不同客户的需求, D25mm的磁棒最大表磁可以达到12000GS。

应用:

磁棒主要应用于磁力架构成的磁性分离器中, 可以有效地吸除松散或者流动的原料中的铁杂质和金属小颗粒。



磁棒

The following is the relationship between diameter, magnetic strength and maximum operation temperature for reference.

下表的是产品直径, 磁力强度与最高工作温度的相应关系。

Part No	0.25T	0.5T	0.7T	0.9T	1T	1.1T	1.2T
ø10	√EH	√H	-	-	-	-	-
ø16	√EH	√EH	√EH	√H	√H	-	-
ø19	√EH	√EH	√EH	√H	√H	-	-
ø20	√EH	√EH	√EH	√SH	√H	√H	-
ø22	√EH	√EH	√EH	√EH	√EH	√H	-
ø23	√EH	√EH	√EH	√EH	√EH	√H	-
ø25	√EH	√EH	√EH	√EH	√EH	√EH	√H
ø28	√EH	√EH	√EH	√EH	√EH	√EH	√H
ø32	√EH	√EH	√EH	√EH	√EH	√EH	√H
ø38	√EH	√EH	√EH	√EH	√UH	√H	√H
ø50	√EH	√EH	√EH	√UH	√H	√H	√H
ø76	√EH	√EH	√EH	√H	√H	√H	√H
ø100	√EH	√EH	√H	√H	-	-	√H

Remarks:

1. "√" means it can be manufactured on the condition of the diameters listed in the table.
"-" means cannot be manufactured.
2. The magnetic bars which their diameter are less than 38mm often use Rare Earth Magnet in EH temperature interval. But if their diameter more than 38mm will not consider using Rare Earth Magnet.
3. The related Max working temperature from different series.

H series: 120°C
SH series: 150°C
UH series: 180°C
EH series: 350°C

备注:

1. "√"表示在相应直径下能制造出该磁力强度的磁棒，
"-"表示不能制造。磁棒直径和表磁, 耐温的关系表。
2. 直径38mm以下的磁棒, 耐温EH的用钕钴磁钢, 直径38mm以上的不考虑用钕钴磁钢。
3. 不同系列对应的最高工作温度。

H系列: 120°C
SH系列: 150°C
UH系列: 180°C
EH系列: 350°C

Features:

1. The nose cone designed like bullet ensure magnetic field optimum contact with the product flow.
2. Cone magnetic strength can be chosen from 3000Gs to 15000Gs, ensure any ferrous particles are securely held in position until cleaned.
3. Designed for quick and easy cleaning-open the cover, clean the magnet.
4. Special requirement can be custom made.

Applications:

Bullet Magnet is an efficient device for extracting ferrous fines as well as larger pieces of tramp iron from air blown free-flowing dry granular products. It is designed for installation in pipelines or ducted system, widely used in process of flour, grain, plastics granular, Kaolin and French chalk, etc.

特点:

1. 磁芯的子弹型椎体设计确保磁场与物料流最优接触。
2. 磁芯磁场3000GS-15000GS可选, 确保铁杂质可以被牢靠吸附, 直到被清除。
3. 清洗过程简单方便-松开锁扣, 拉开装磁芯的门, 擦洗干净。
4. 殊要求, 可以订做。

应用:

永磁筒主要安装在输送管道系统中, 可以从干性的重力物流或者气体带动物流中清除铁屑和较大块铁磁性杂质, 被广泛地应用在面粉加工, 磨坊, 谷物加工, 塑料加工, 高岭土或者滑石粉加工等场所。

Specifications 设备参数:

Model NO 型号	Dimension(mm)尺寸				Weight (Kg) 重量
	A	B	C	H	
NS-SWBM50	51	150	114	380	9
NS-SWBM65	76	185	168	540	20
NS-SWBM100	100	165	219	586	34
NS-SWBM150	150	225	273	655	48.5
NS-SWBM200	198	275	355	760	100
NS-SWBM250	248	325	426	850	121
NS-SWBM300	298	395	480	880	143
NS-SWBM400	395	480	610	1100	227

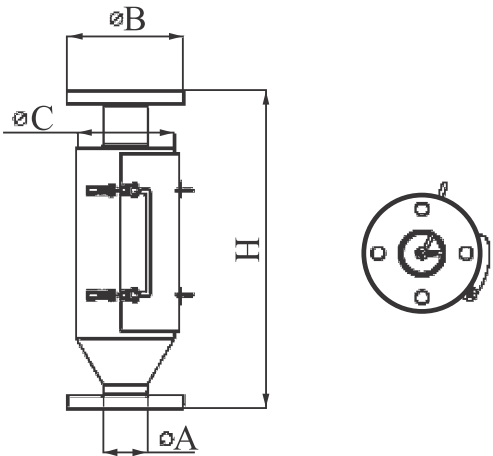


PLATE MAGNET

磁板

Features:

- 1. Different magnetic action range plate with strong magnetic strength are available.
- 2. Easy cleaning and assembling.
- 3. Surface material is 304 or 316L stainless steel, no pollution to materials.
- 4. Dimension and extra parts, such as hinge, handle, or mounting hole can be custom made.

Applications:

Plate magnet can remove tramp iron such as Bolts, Nuts, Bits of Wire, Nails and other casual impurities from free flowing materials, like gravel, corn, sugar, plastic, flour and other granular materials in the conveying course.

1. Flush Face(FF):

Flush Face Plate Magnets have ideal metal separation performance when assembled over the flow chute or belt applications with low-density product flows. Downstream processing facilities will be under continuous magnetic protection because plate magnets can lift ferrous tramps out of the product flow stream.

Specifications 设备参数:

Model NO 型号	Dimension(mm)尺寸			Weight (Kg) 重量 /100mm
	B	D	T	
NS-SWFMP-FF60	250	175	51	5.7
NS-SWFMP-FF120	300	225	76	10.4
NS-SWFMP-FF150	450	360	111	19.1
NS-SWNMP-FF60	190	125	36	3.7
NS-SWNMP-FF120	250	175	46	5.9
NS-SWNMP-FF150	330	240	56	10.3

特点:

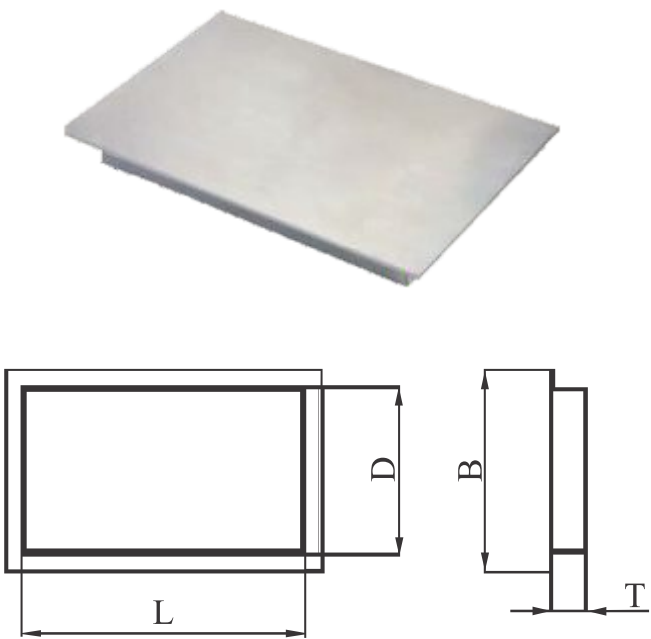
- 1. 磁芯的子弹型椎体设计确保磁场与物流最优接触。
- 2. 磁芯磁场3000GS-15000GS可选, 确保铁杂质可以被牢靠吸附, 直到被清除。
- 3. 清洗过程简单方便-松开锁扣, 拉开装磁芯的门, 擦洗干净。
- 4. 特殊要求, 可以订做。

应用:

磁板主要用于砂砾, 谷物, 白糖, 面粉, 木材, 矿产或者其他块状的物料在传输过程中, 清楚铁钉, 螺母, 铁丝以及其他铁杂质。

1. 平齐磁板:

平齐磁板一般都会安装在进料槽之上, 当物料从磁板下面流过里面的含铁固体因为强大磁场的作用就会被吸上来一直固定在磁板上, 从而保证了下游加工过程设备和产品的安全 and 质量。



Note: L can be decided by customer.
注: 长度L由客户选定。

2. Exposed Pole (EP):

Exposed Pole (EP) Plate Magnets are designed for removing tramp metals from the low volume materials flow. They will be installed below the materials flow in the process line.

2. 突起式磁板：

突起式磁板一般安装在产品流水线之下，主要是用在铁杂质比较细的场合，当产品从磁板表面流过一些细小的铁杂质由于与磁铁直接接触而吸附在磁板之上。

Specifications 设备参数:

Model NO 型号	Dimension(mm)尺寸			Magnet Action Range 磁场作用距离	Weight (Kg) 重量 /100mm
	B	D	T		
NS-SWFMP-EP60	250	175	51	60	5.7
NS-SWFMP-EP120	300	225	76	120	10.4
NS-SWFMP-EP150	450	360	111	150	19.1
NS-SWNMP-EP60	190	125	36	60	3.7
NS-SWNMP-EP120	250	175	46	120	5.9
NS-SWNMP-EP150	330	240	56	150	10.3



3. Spout Magnet(SM):

Spout Plate magnets are designed to remove ferrous tramp metal from high volume material flow or rapid material flow. Properly designing can prevent wash-off of ferrous tramps and fines.

3. 喷口磁板：

喷口磁板能最大限度地除去大流量物料中的铁杂质，独特的倾斜设计避免铁杂质被喷出的高速物料冲刷掉，而且也便于清洗。

Specifications 设备参数:

Model NO 型号	Dimension(mm)尺寸			Magnet Action Range 磁场作用距离	Weight (Kg) 重量 /100mm
	B	D	T		
NS-SWFMP-SM60	250	175	51	60	5.8
NS-SWFMP-SM120	300	225	76	120	10.5
NS-SWFMP-SM150	450	360	111	150	19.2
NS-SWFMP-SM60	190	125	36	60	3.8
NS-SWFMP-SM120	250	175	46	120	6
NS-SWFMP-SM150	330	240	56	150	10.4



4. Exposed Pole (EP):

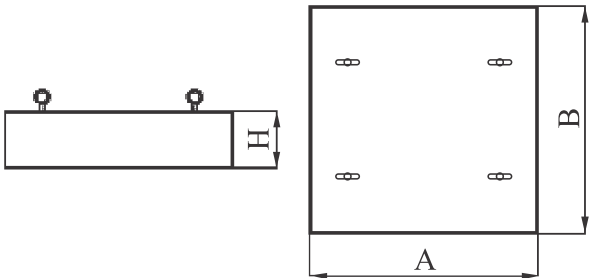
Suspended plate Magnets are designed for effective tramp metals extraction from the high volume materials by installation above Conveyors. Using big size ferrite and property designed configuration ensure the tramp iron can be taken from thick layer material flow by heavy duty plate. For fine metal powders in thin layer material flow, light duty plate made of rare earth magnet is available also. Supplied with deep mounting tapped holes in the back of plate or four eye bolts, these plate magnets can be rigidly mounted with threaded bolts or suspended by eye bolts using cable or chain systems.

4. 悬挂式磁板:

悬挂式磁板主要应用在带式传送机上,利用背面的四个螺纹固定孔和4个环首螺丝可以牢固的用绳子或者铁索悬挂在传送带上,或者用螺栓固定在机器上。能较远距离的吸起大流量无氧里体积较大的铁杂质。

Specifications 设备参数:

Model NO 型号	Dimension(mm)尺寸			Magnet Action Range 磁场作用距离	Weight (Kg) 重量
	H	A	B		
NS-SWMP-SPM18	180	400	400	180	123
		500	500		192
NS-SWMP-SPM25	250	600	600	200	360
		700	700		517
NS-SWMP-SPM35	350	800	800	220	1064
		900	900		1346
NS-SWMP-SPM40	400	1000	1000	240	1851
		1100	1100		2240
		1200	1200		2667



磁板

Features:

1. One separation unit from plate magnet.
2. Magnetic plate can be made from rare earth magnet or ferrite as customer's request. Housing material can be 304 or 316 stainless steel.
3. The angle shape directs the material flow into the magnetic field and prevent building up and bringing, and also break up clumps of products to improve efficiency of separator.
4. Simple structure, easy cleaning and assembling.
5. Inlet, outlet or other special requirement can be custom made.

Applications:

Hump magnets are used to remove large pieces of tramp iron as well as ferrous fragments from gravity-flow materials or material flow activated by wind in enclosed flow lines before they reach storage bins or processing equipment. They can be mounted in spouting lines or on the processing machines.

1. Half-Hump Magnet:

Nikos Half-Hump Magnets are developed for height restriction situation where full Hump Magnets can not be used.

2. Hump Magnet:

There are many standard models of Hump Magnets made from ceramic magnets or rare earth magnet for customer choice.

特点:

1. 磁板应用的一个分离系统。
2. 磁板可以根据客户要求,使用稀土永磁或者铁氧体永磁,管道箱体材料可以使用304或316不锈钢。
3. 斜角设计可以促使物料直接撞击磁板,防止物料堆积结块搭桥,甚至使已经结块的物料裂开,提高分离效率。
4. 结构简单,清洗安装方便。
5. 进出口或者其他特殊要求可以根据客户要求订做。

应用:

驼峰式管道除铁器在封闭式的生产线,清除重力流或者风力传送物料中的铁块,铁屑等铁磁性杂质,以保证物料在入仓之前的清洁,或者保护下道工序中设备的安全。

1. 半驼峰式管道除铁器:

半驼峰式管道除铁器主要应用在高度受限的场合。

2. 驼峰式管道除铁器:

Nikos磁业设计了很多标准型号的驼峰式管道除铁器以供客户选择。



Ferrite Hump Magnet 铁氧体系列

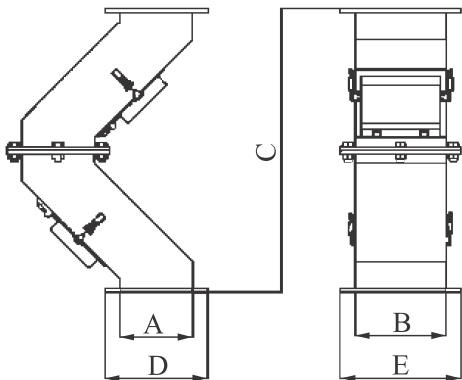
Specification 设备参数:



Model NO 型号	Dimension (mm) 尺寸					Weight (Kg) 重量
	A	B	C	D	E	
NS-SWFHM120	120	150	470	170	220	15
NS-SWFHM150	150	178	750	250	220	37
NS-SWFHM200	200	178	750	300	220	49
NS-SWFHM250	250	178	750	350	220	61
NS-SWFHM300	300	178	750	400	220	73
NS-SWFHM350	350	200	1100	450	300	141
NS-SWFHM400	400	200	1100	500	300	161
NS-SWFHM450	450	200	1100	550	300	181
NS-SWFHM500	500	200	1100	600	300	201

NdFeB Hump Magnet 钕铁硼系列

Specifications 设备参数:



Model NO 型号	Dimension (mm) 尺寸					Weight (Kg) 重量
	B	A	C	E	D	
NS-SWNHM120	150	120	470	170	220	14
NS-SWNHM150	178	150	750	250	220	33
NS-SWNHM200	178	200	750	300	220	44
NS-SWNHM250	178	250	750	350	220	55
NS-SWNHM300	178	300	750	400	220	66
NS-SWNHM350	200	350	1100	450	300	128
NS-SWNHM400	200	400	1100	500	300	146
NS-SWNHM450	200	450	1100	550	300	164
NS-SWNHM500	200	500	1100	600	300	182

Features:

1. Plate Magnets are hinged to the housing like doors, easy cleaning.
2. A wedge-shaped baffle at the top of the housing can prevents materials from bridging and choking, also can helps break up aggregated products and direct material flow over the unit's two powerful Plate Magnet.
3. With high power rare earth magnet, plate housing magnets ensure to grab all sizes of contamination firmly.
4. Inlet, outlet or other special can be custom made.

Applications:

Plate Housing Magnet are widely used in the filed of food, pharmacy, tobacco, chemical etc, to remove tramp iron and ferrous fines from flow-resistant bulk materials that are easy block. The stainless steel housings can be easily installed to enclosed spouting line or directly mounted on processing equipment.

特点:

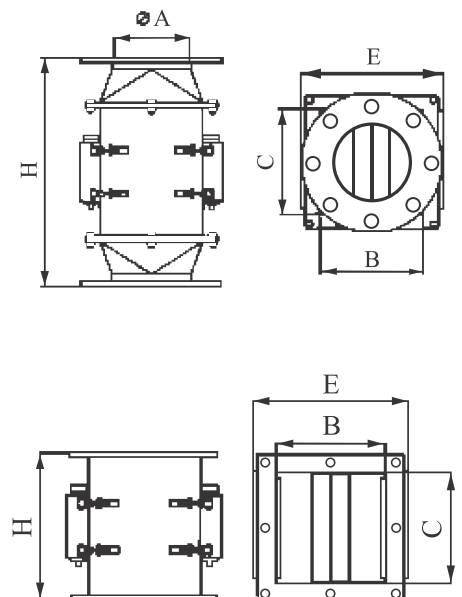
1. 磁板以铰链的形式安装在箱体上, 拆装清洗方便。
2. 入口处的楔形的隔板可以防止物料搭桥堵塞, 甚至打裂聚集的物料, 引导到两边的强磁磁板上, 有助于铁杂质的充分分离。
3. 如果使用稀土永磁磁板几乎可以牢固的吸取所有尺寸的铁磁性物体。
4. 进出口或者其他特殊要求可以根据客户订做。

应用:

磁板式管道除铁器, 可以方便的安装在封闭的生产线或者加工设备上, 从一些易于结块堵塞的物料中, 清除铁块, 铁屑等, 被广泛的应用于食品, 药物, 烟草, 化工等领域。

Specifications 设备参数:

Model NO 型号	Dimension (mm) 尺寸					Weight (Kg) 重量
	øA	B	C	E	H	
NS-MC150	150	208	208	322	470	27
NS-MC200	200	208	258	322	470	34
NS-MC250	250	258	358	372	500	62
NS-MC2020	-	208	208	322	300	17
NS-MC2025	-	208	258	322	300	21
NS-MC2525	-	258	258	372	300	27
NS-MC2530	-	258	308	372	300	32
NS-MC2535	-	258	358	372	300	37
NS-MC2540	-	258	408	372	300	42
NS-MC2545	-	258	458	372	300	47
NS-MC2550	-	258	508	372	300	53
NS-MC2555	-	258	558	372	300	58
NS-MC2560	-	258	608	372	300	63



CROSS BELT MAGNETIC SEPARATOR

皮带式永磁除铁器

NIKOS

Features:

1. Compact structure, low noise, easy maintenance, stable magnetic field from the ferrite or rare earth magnets, energy saving without excitation system.
2. Workable in the harsh working environment for long time based on the specially sealed bearing seat and the belt with automatic corrective function. For very sharp ferromagnetic tramps, the unique belt armored by stainless steel plate is available to protect the belt from destroying.
3. There are common type and explosion-proof type drive motor for customer choice.
4. By using high power rare earth magnets, SWPMR serial separators have high magnetic field gradient, stable magnetic field, super attraction that can remove Ferro blocks or Ferro scraps with weight 0.1KG-35KG from the materials, even remove the ferromagnetic scarps buried in the thick material layers continuously.
5. Special requirement can be custom made.

Applications:

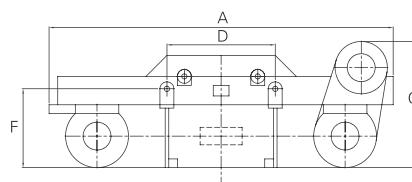
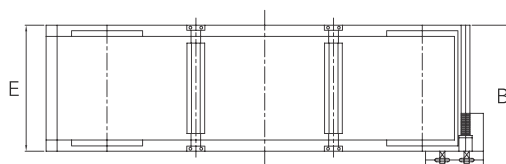
Waste material recycling, food, lumber, grain, chemical building, materials, mining, light manufacturing ect.

特点:

1. 结构紧凑, 低噪声, 易维护, 能自动弃铁, 节省成本, 工作的磁场来源于稀土永磁或者铁氧体而不是电磁铁, 达到节能的效果。
2. 使用特制密封轴承, 以及自动纠偏的皮带设计, 适应恶劣环境下的长时间工作。独特的铠装式皮带设计, 能有效防止尖锐的铁磁性杂质对皮带的损害, 提高使用寿命, 节省相应的成本。
3. 据客户使用要求, 可以提供防爆型铁器。
4. 使用稀土永磁的 NikosPMR 系列磁选机具有磁场梯度高, 磁场稳定吸力强的特点, 可以连续有效地清除重量0.1KG-35KG的铁杂质, 甚至消除深埋在物料里的铁磁性杂质。
5. 特殊要求, 可以订做。

应用:

广泛应用在废品回收, 粮食, 木业, 化工, 建材, 矿山, 火电, 钢铁, 轻工业等领域的除铁和分离提纯。



皮带式永磁除铁器

1. Magnetic Separator With Ceramic Magnet:

Model NO 型号	Adaptive Belt Width (mm)	Belt Velocity (m/s)	Suspension Rated Height (mm)	Rated Magnetic Intensity at SRH (mT)	Motor Power (kw)	Dimension (mm) 尺寸						Weight (Kg) 重量
						A	B	C	D	E	F	
NS-SWPM-C50	500	<4.5	150	>50	1.5	1970	903	722	620	647	451	580
NS-SWPM-C65	650	<4.5	200	>50	1.5	2110	1053	722	770	797	451	830
NS-SWPM-C80	800	<4.5	250	>50	2.2	2320	1253	722	970	987	451	1100
NS-SWPM-C100	1000	<4.5	300	>50	3	2690	1453	803	1120	1190	516	1710
NS-SWPM-C120	1200	<4.5	350	>50	4	2890	1713	868	1320	1430	516	2292
NS-SWPM-C140	1400	<4.5	400	>50	4	3090	1913	868	1520	1630	516	3080
NS-SWPM-C160	1600	<4.5	450	>50	5.5	3310	2143	955	1760	1852	590	4130
NS-SWPM-C180	1800	<4.5	500	>50	7.5	3540	2420	1050	2045	2130	590	8100
NS-SWPM-C200	2000	<4.5	550	>50	7.5	4510	2670	1050	2350	2400	780	11300

2. Magnetic Separator With Rare Earth Magnet And Ceramic Magnets:

Model NO 型号	Adaptive Belt Width (mm)	Belt Velocity (m/s)	Suspension Rated Height (mm)	Rated Magnetic Intensity at SRH (mT)	Motor Power (kw)	Dimension (mm) 尺寸					Weight (Kg) 重量
						A	B	C	D	E	
NS-SWPMR1-C65	650	<4.5	200	90	1.5	2110	1053	722	770	873	1200
NS-SWPMR2-C65	650	<4.5	200	120	2.2	2110	1053	722	770	873	1350
NS-SWPMR3-C65	650	<4.5	200	150	2.2	2260	1053	722	870	873	1700
NS-SWPMR1-C80	800	<4.5	250	90	2.2	2470	1253	722	970	1073	1900
NS-SWPMR2-C80	800	<4.5	250	120	2.2	2470	1253	722	970	1073	2150
NS-SWPMR3-C80	800	<4.5	250	150	3	2570	1253	722	1070	1073	2700
NS-SWPMR1-C100	1000	<4.5	300	90	3	2840	1450	803	1120	1273	2350
NS-SWPMR2-C100	1000	<4.5	300	120	3	2840	1450	803	1120	1273	2600
NS-SWPMR3-C100	1000	<4.5	300	150	4	2940	1450	803	1220	1273	3600
NS-SWPMR1-C120	1200	<4.5	350	90	4	3040	1713	868	1320	1523	2980
NS-SWPMR2-C120	1200	<4.5	350	120	4	3040	1713	868	1320	1523	3950
NS-SWPMR3-C120	1200	<4.5	350	150	5.5	3040	1713	868	1320	1523	5100
NS-SWPMR1-C140	1400	<4.5	400	90	4	3410	1913	924	1520	1723	4200
NS-SWPMR2-C140	1400	<4.5	400	120	5.5	3410	1913	924	1520	1723	5400
NS-SWPMR3-C140	1400	<4.5	400	150	5.5	3410	1913	924	1536	1723	7340
NS-SWPMR1-C160	1600	<4.5	450	90	5.5	3610	2190	960	1720	1923	6150
NS-SWPMR2-C160	1600	<4.5	450	120	5.5	3610	2190	960	1720	1923	7630
NS-SWPMR3-C160	1600	<4.5	450	150	7.5	3810	2190	980	1820	1923	10360
NS-SWPMR1-C180	1800	<4.5	500	90	7.5	4045	2570	960	1970	2173	7950
NS-SWPMR2-C180	1800	<4.5	500	120	7.5	4045	2570	960	1970	2173	10590
NS-SWPMR3-C180	1800	<4.5	500	150	11	4245	2570	1050	2070	2173	14600
NS-SWPMR1-C200	2000	<4.5	550	90	7.5	4575	2570	960	2270	2430	11500
NS-SWPMR2-C200	2000	<4.5	550	120	11	4810	2670	1020	2350	2430	14070
NS-SWPMR3-C200	2000	<4.5	550	150	11	4810	2670	1070	2350	2430	19160
NS-SWPMR1-C220	2200	<4.5	600	90	11	4810	2820	1020	2550	2670	13880
NS-SWPMR2-C220	2200	<4.5	600	120	11	4810	2820	1070	2550	2670	18240
NS-SWPMR3-C220	2200	<4.5	600	150	15	4810	2820	1170	2550	2670	25000

Features:

- 1. Separating unit i driven by gear motor.
- 2. Adjustable for rotation and magnetic field angle to ensure best possible separation.
- 3. Continuous self-cleaning design is suitable for automatic production fine.
- 4. Magnetic strength, inlet and outlet can be custom made.

Applications:

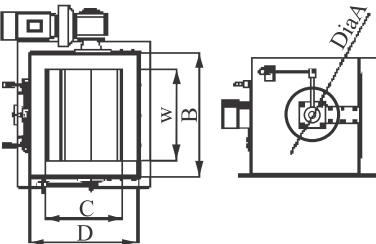
Electric Drum Magnetic Separator can separate ferromagnetic impurities or ferromagnetic materials from bulk dry powdery or granule materials in the automatic production line, such as in the industries of plastic, cereals, food, chemicals, mining, pharmacy, etc. Ideal for high flow, heavy ferro magnetic containment separating or sorting.

特点:

- 1. 分离过程由齿轮电机驱动。
- 2. 转速和磁场角度是可调节的, 以确保最佳的除铁效果。
- 3. 具有连续除铁, 自动清清洁的功能, 适用于自动生产线。
- 4. 磁场强度大小, 进出口可以根据客户要求订做。

应用:

电动滚筒式磁选机可以从大批量的干性粉状或者颗粒状物料中, 进行铁磁性金属的分离或者分拣, 是高流量, 高铁磁性含量物料的磁性分离的理想选择。已被广泛应用于塑料, 食物, 化工, 矿产, 药业等领域。



Model NO 型号	Dimension (mm) 尺寸						Weight (Kg) 重量	KW
	Dia A	B	D	W	C	H		
NS-MHD2130	215	420	450	280	290	500	105	107
NS-MHD2135	215	470	450	330	290	500	115	120
NS-MHD2140	215	520	450	380	290	500	125	135
NS-MHD2145	215	570	450	430	290	500	135	149
NS-MHD2150	215	620	450	480	290	500	145	164
NS-MHD2160	215	720	450	580	290	500	175	195
NS-MHD2170	215	820	450	680	290	500	195	222
NS-MHD2180	215	920	450	780	290	500	215	249
NS-MHD2190	215	1020	450	880	290	500	225	280
NS-MHD2110	215	1120	450	980	290	500	245	309
NS-MHD3130	315	420	550	280	360	650	218	121
NS-MHD3135	315	470	550	330	360	650	235	139
NS-MHD3140	315	520	550	380	360	650	252	157
NS-MHD3145	315	570	550	430	360	650	269	174.5
NS-MHD3150	315	620	550	480	360	650	286	193
NS-MHD3160	315	720	550	580	360	650	320	211
NS-MHD3170	315	820	550	680	360	650	354	228
NS-MHD3180	315	920	550	780	360	650	388	264
NS-MHD3190	315	1020	550	880	360	650	422	300
NS-MHD3110	315	1120	550	980	360	650	456	335
NS-MHD3111	315	1220	550	1080	360	650	490	407
NS-MHD4030	400	420	635	280	435	800	288	166
NS-MHD4035	400	470	635	330	435	800	314	190
NS-MHD4040	400	520	635	380	435	800	340	216
NS-MHD4045	400	570	635	430	435	800	366	241
NS-MHD4050	400	620	635	480	435	800	392	267
NS-MHD4060	400	720	635	580	435	800	444	317
NS-MHD4070	400	820	635	680	435	800	496	368
NS-MHD4080	400	920	635	780	435	800	548	418
NS-MHD4090	400	1020	635	880	435	800	600	469
NS-MHD4010	400	1120	635	980	435	800	652	521
NS-MHD4011	400	1220	635	1080	435	800	704	571
NS-MHD4012	400	1320	635	1180	435	800	756	691

General Description:

Magnetic coolant cleaner, also named magnetic coolant separator.

Features:

1. Surface material is 304 or 316L stainless steel, can work in hard condition with good corrosion resistance.
2. With high intensity magnets in a fully energized rotating drum, can continuously remove ferrous particles from the flow of liquid.
3. Magnetic strength can be about 2000Gs from economical ferrite magnets, up to 3000-4000Gs from powerful rare earth magnets.
4. Automatic operation to save labour cost.
5. Easy assembling with existing or new machines.

Applications:

Magnetic Coolant Separators/ Magnetic Coolant Cleaners are ideal to remove ferrous particles from the coolant to extend working life of the grind wheel and tool, improve quality of product's surface, save cost by reusing coolant. The system is widely used in the field of machining and grinding process.

产品说明:

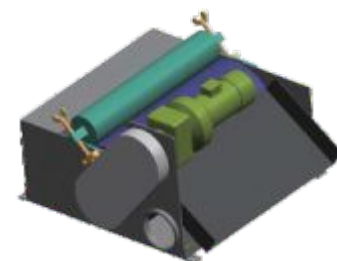
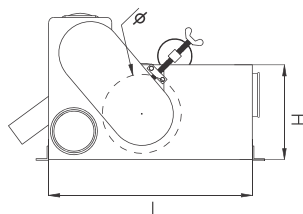
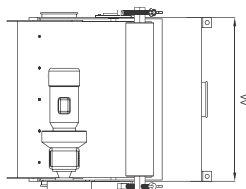
冷却液磁性过滤器, 又叫冷却液磁性清洁剂。

特点:

1. 表面材料使用304或者316L不锈钢, 耐腐蚀, 可以工作于恶劣的条件中。
2. 转动的磁筒使用高强度磁铁, 能连续不断清除铁颗粒。
3. 磁场强度有便宜的铁氧体永磁产生的2000GS左右, 也有稀土永磁产生的3000-4000GS。
4. 除铁, 清洁自动操作, 节省劳动力成本。
5. 安装于现有生产线或者新的生产线方便简单。

应用:

冷却液磁性过滤器/清洁剂可以从冷却液中清除铁或铁磁性颗粒, 以延长研磨轮和其他加工工具设备的使用受命, 提高产品表面质量, 通过重复利用冷却液节省成本, 在机械加工领域里得到了广泛的应用。



Specifications 设备参数:

Model NO 型号	Dimension (mm) 尺寸				Roller (ø) 滚筒直径	RPM (r/min) 转速	In / Out (inch) 进出口	Weight (Kg) 重量
	LPM (L/min)	L	W	H				
NS-MCS25	25	450	150	205	150	2.5	1.5	41
NS-MCS50	50	450	200	205	150	2.5	2	55
NS-MCS75	75	450	250	205	150	2.5	2	63
NS-MCS100	100	450	300	205	150	2.5	2.5	75
NS-MCS150	150	500	350	255	180	2.5	3	121
NS-MCS200	200	500	450	255	180	2.5	3	155
NS-MCS300	300	650	450	305	200	2.5	3	241
NS-MCS400	400	650	550	305	200	2.5	4	294
NS-MCS500	500	650	650	305	200	2.5	5	347

HALF MAGNETIC DRUM
半磁内滚筒

NIKOS

General Description:

Half Magnetic Drum, also named half magnetic roller, has a half disc(180 degree) stationary magnetic section that is covered by a involving round stainless shell with rotation axis. It can form an automated separating system together with electric drive motor.

Specifications 设备参数:

Model NO 型号	Dimension(mm)尺寸			Weight (Kg) 重量
	Dia A	B	ø	
NS-MDM2130	215	300	25	29
NS-MDM2135	215	350	25	34
NS-MDM2140	215	400	25	39
NS-MDM2145	215	450	25	44
NS-MDM2150	215	500	25	49
NS-MDM2160	215	600	25	59
NS-MDM2170	215	700	25	69
NS-MDM2180	215	800	25	79
NS-MDM2190	215	900	25	89
NS-MDM2110	215	1000	25	99
NS-MDM3130	315	300	25	62
NS-MDM3135	315	350	25	72
NS-MDM3140	315	400	25	82
NS-MDM3145	315	450	25	92
NS-MDM3150	315	500	25	102
NS-MDM3160	315	600	25	122
NS-MDM3170	315	700	25	142
NS-MDM3180	315	800	25	162
NS-MDM3190	315	900	25	182
NS-MDM3110	315	1000	28	202
NS-MDM3111	315	1100	28	222
NS-MDM4030	400	300	28	100
NS-MDM4035	400	350	28	116
NS-MDM4040	400	400	28	132
NS-MDM4045	400	450	28	148
NS-MDM4050	400	500	28	164
NS-MDM4060	400	600	28	180
NS-MDM4070	400	700	28	196
NS-MDM4080	400	800	35	212
NS-MDM4090	400	900	35	228
NS-MDM4010	400	1000	35	244
NS-MDM4011	400	1100	35	260
NS-MDM4012	400	1200	35	276

产品说明:

半磁内滚筒是由一个180° 的半圆静态磁铁，外面套一个可以转动的不锈钢套的转动轴而成，如果配上驱动电机，就形成一套可以自动分离的系统。

Features:

- 1. Continuous self-cleaning design is suitable for automated production line.
- 2. Surface material is 304 or 316L stainless steel, good corrosion resistance and no pollution.
- 3. No electric power required for magnetic field generation.
- 4. Magnetic strength can be chosen by customer.

特点:

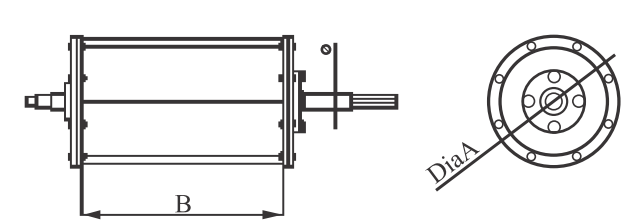
- 1. 具有带动铁磁性物质到无磁区自动脱落的设计，适用于自动生产线。
- 2. 表面材料使用304或者306L不锈钢，耐腐蚀，无污染。
- 3. 磁铁来自永磁体，可以节电。
- 4. 磁场强度大小可以根据客户要求。

Applications:

Half Magnetic Drum is mainly used remove or sort ferrous fines, tramp iron and other ferro magnetic materials from bulk dry material flow such as iron ore, grain, sand, gravel, plastics, wood, waste, cullet, etc.

应用:

半磁内滚筒主要用于清楚或者分拣矿石，谷物，沙子，砂砾，塑料，木材，碎玻璃，废料等大批量干性物料中的铁屑，铁片，铁块或者其他铁磁性物料。



半磁内滚筒

Features:

1. Can be produced with cost saving ferrite magnets, also can be produced with powerful rare earth magnets if needed. The maximum magnetic strength can reach 15000Gs.
2. Surface material is 304 or 316L stainless steel, good corrosion resistance and no pollution.
3. No electric power required for magnetic field generation.
4. Two side special design ensure good link with motor.
5. Form automatic separation system together working with belt.
6. Special requirement can be custom made.

Applications:

Magnetic Pulleys always are placed at the head of conveyor belt to separate iron particles, iron scrap, tramp iron and other ferromagnetic objects from move bulk dry material flow such as iron ore, grain, sand , gravel, plastics, wood, waste, cullet, rubber, etc.

Specifications 设备参数:

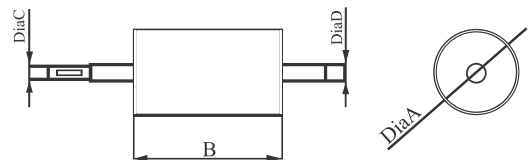
Model NO 型号	Dia A	B	Dia D	Dia c	Weight (Kg) 重量
NS-PM2030	200	350	40	30	33
NS-PM2040	200	450	40	30	42
NS-PM2050	200	550	40	30	51
NS-PM2060	200	650	40	30	60
NS-PM2070	200	750	40	30	69
NS-PM2080	200	850	40	30	78
NS-PM2090	200	950	40	30	87
NS-PM20100	200	1050	40	30	96
NS-PM3030	300	350	50	40	74
NS-PM3040	300	450	50	40	95
NS-PM3050	300	550	50	40	116
NS-PM3060	300	650	50	40	137
NS-PM3070	300	750	50	40	158
NS-PM3080	300	850	50	40	179
NS-PM3090	300	950	50	40	200
NS-PM30100	300	1050	50	40	221
NS-PM4030	400	350	60	50	131
NS-PM4040	400	450	60	50	168
NS-PM4050	400	550	60	50	205
NS-PM4060	400	650	60	50	242
NS-PM4070	400	750	60	50	279
NS-PM4080	400	850	60	50	316
NS-PM4090	400	950	60	50	353
NS-PM40100	400	1050	60	50	390

特点:

1. 滚筒可以使用便宜的铁氧体永磁, 以可以使用磁性超强的稀土永磁, 其最大磁场可达15000GS。
2. 表面材料使用304或者316L不锈钢, 耐腐蚀, 无污染。
3. 磁场由磁铁产生, 可以节电。
4. 两端设计可以使其可以与电动机链接。
5. 同输送带配合, 可以形成一个自动分离系统。
6. 特殊需求, 可以订做。

应用:

全磁滚筒通常安装在输送带端头上, 适用于更大批量的矿石, 谷物, 沙子, 砂砾, 塑料, 木材, 碎玻璃废料等干性物料中的跟大含量的铁屑, 铁片, 铁块或者其他铁磁性物料自动分离。



磁力测试仪

Features:

1. Key part is imported from Japan.
2. The magnetic ball is extraordinary round, processing by special process.
3. The tension arm that connected with magnetic ball is made of nonmagnetic material with proper length.
4. Max test magnetic force is 49N.
5. Corresponding list of magnetic force and magnetic strength is available in the instruction of tester.
6. Test magnetic force visually, different from other products which just test the magnetic flux density value at any time.

Applications:

Magnetic Force Testers are designed for testing magnetic force visually. It can be an accessory of your magnetic separator to detecting the change of the magnetic force.

特点:

1. 关键部件从日本进口。
2. 吸力球经特殊加工而成,球面标准。
3. 连接吸力球的吸力臂,用不导磁材料制成,长度适宜。
4. 最大工作测试吸力是49牛。
5. 产品说明书里有表磁吸力对照表。
6. 可以直接反应磁场的实际强度,不同于传统高斯计显示不直观,受操作方式影响的缺点。

应用:

磁力测试仪用于直观地以拉力的形式测试磁场强度,可以作为磁性分离器的附件,以随时监测磁力的变化,保证生产的正常进行。



Magnetic Property:

Sintered Neodymium permanent magnets first appeared in the 1980s'. Widely used in motors, speaker, toys, and electronic products. Nd₂Fe₁₄B is the main element in Neodymium and gives NdFeB magnet strong magnetic power. In fact, maximum BH is more than ten times that of Ferrite. Neodymium has good machinability properties and can work well at temperatures up to 200°C. Since Sintered Neodymium easily rusts, plating with such metals as Zn, Ni, Au, Epoxy is necessary.

Earth Panda's dominance — advanced manufacture technology

We have actualized and completed an advanced process, "Automatic imbricate cast — Hydrogenation — Airflow pulverizing — Seal pressing — Continuous sintering".

We have lots of advanced machining lines with more than 3000 machines and thus can support large orders, can manufacture micro-miniature and max-huge magnets, from $\phi 1\text{mm}$ to $\phi 180\text{mm}$.

Have advanced electroplate and surface processor lines, such as electroless plate, electroplate, compound plate, spray and phosphated treating.

Use advanced low oxygen technology to produce rust resistant magnets and high NdFeB over N45SH.

We can also manufacture radiate magnetizing NdFeB magnetic rings of isotropy and anisotropy.

Use ISO techniques, we use 6 Sigma to optimize production techniques and lower costs.

Advanced science lab and R&D team helps ensure high performance and high quality products.

Employ several senior materials experts to maintain quality levels of research and production. We frequently cooperate with famous scientific research institutions.

钕铁硼主要特性:

钕铁硼永磁材料于80年代初问世, 现广泛应用于电机 (motor), 喇叭 (speaker), 玩具 (toys) 和一些电器 (electron) 等产品上。成分为Nd₂Fe₁₄B。拥有极高的磁性能, 其最大磁能积 (BH_{max}) 高过铁氧体 (Ferrite) 10倍以上。其本身的机械性能亦相当之好, 可以切割加工不同的形状和钻孔。高性能产品的最高工作温度可达200摄氏度。由于它的物质含量容易导致锈蚀, 所以根据不同要求必须对表面进行不同的涂层处理。(如镀Zn, Ni, Au, Epoxy等)

我们的优势 — 最新的产品技术

我们正逐步实施和完善先进的“全自动鳞片浇铸 — 氢化, 气流磨制粉 — 封闭压型 — 连续烧结”的生产方法。

拥有大规模和先进的加工生产线, 各种加工机械3000余台, 能承接各类大批量订单。可大批量生产超小型和超大型磁体。如 $\phi 1\text{mm}$ 或 $\phi 180\text{mm}$ 等。

拥有国内最先进的电镀及表面处理生产线, 有化学镀, 电镀, 复合镀和有机喷涂以及磷化处理。

采用先进的低氧生产优异耐腐蚀磁体及大批量生产N45 以上之高性能 NdFeB 产品。

可批量生产供应辐射充磁各向同性和各向异性 NdFeB 磁环。

基于 ISO 建立质量体系, 贯彻6Sigma 质量管理思想, 优化生产工艺, 降低产品成本。

先进的理化试验室及强有力的研发队伍作为生产高性能, 高质量产品强有力保证。



钕铁硼一般物理性能

剩磁温度系数	(-) 0.11% / °C	强性模量	1.6 x 10 ¹¹ N / m ²	挠曲强度	25kg / mm
密度	7.3 - 7.5 g / cm ³	横向变形系数	0.24	热膨胀系数	4 x 10 ⁻⁶ / °C
维氏硬度	600Hv	居里温度	310 - 340°C	导热系数	7.7kcal / [m.h.°C]
抗拉强度	8kg / mm ²	矫顽力温度系数	(-) 0.6% / °C	刚度	064N / m ²
比热	0.12kcal / kg	电阻率	114 μ Ω . cm	压缩率	9.8 x 10 ⁻¹² m ² / N

烧结钕铁硼磁材性能

一般物理性能															
牌号	最高 工作 温度	剩磁				矫顽力				内禀矫顽力		最大磁能积			
		Br (T)		Br (kGs)		bHc (kA/m)		bHc (kOe)		iHc (kA/m)	iHc (kOe)	(BH)max(KJ/m)		(BH)max(MGOe)	
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.
NS-N35	<= 80	1.24	1.17	12.4	11.7	963	868	12.1	10.9	>= 1034	>= 13	287	263	36	33
NS-N38	<= 80	1.29	1.22	12.9	12.2	1033	907	12.6	11.4	>= 995	>= 1.5	318	287	40	36
NS-N40	<= 80	1.32	1.26	13.2	12.6	1035	939	13	11.8	>= 955	>= 12	334	302	42	38
NS-N42	<= 80	1.35	1.29	13.5	12.9	1035	836	13	10.5	>= 954	>= 12	350	318	44	40
NS-N45	<= 80	1.38	1.32	13.8	13.2	1035	836	13	10.5	>= 954	>= 12	366	334	46	42
NS-N48	<= 80	1.43	1.37	14.3	13.7	1059	836	13.3	10.5	>= 876	>= 11	390	358	49	45
NS-N50	<= 80	1.46	1.4	14.6	14	1075	836	13.5	10.5	>= 876	>= 11	406	374	51	47
NS-N35M	<=100	1.24	1.17	12.4	11.7	963	868	12.1	10.9	>= 1114	>= 14	287	263	36	33
NS-N38M	<=100	1.29	1.22	12.9	12.2	1033	907	12.6	11.4	>= 1114	>= 14	318	287	40	36
NS-N42M	<=100	1.35	1.29	13.5	12.9	1059	963	13.3	12.1	>= 1114	>= 14	350	318	44	40
NS-N45M	<=100	1.38	1.32	13.8	13.2	1083	987	13.6	12.4	>= 1114	>= 14	366	334	46	42
NS-N48M	<=100	1.43	1.37	14.3	13.7	1114	1019	14	12.8	>= 1114	>= 14	390	358	49	45
NS-N50M	<=100	1.46	1.4	14.6	14	1138	1043	14.3	13.1	>= 1114	>= 14	406	374	51	47
NS-N35H	<=120	1.24	1.17	12.4	11.7	963	868	12.1	10.9	>= 1353	>= 17	287	263	36	33
NS-N38H	<=120	1.29	1.22	12.9	12.2	1033	907	12.6	11.4	>= 1353	>= 17	318	287	40	36
NS-N42H	<=120	1.35	1.29	13.5	12.9	1059	963	13.3	12.1	>= 1353	>= 17	350	318	44	40
NS-N44H	<=120	1.36	1.3	13.6	13	1067	971	13.4	12.2	>= 1353	>= 17	358	326	45	41
NS-N46H	<=120	1.39	1.33	13.9	13.3	1091	995	13.7	12.5	>= 1274	>= 16	374	342	47	43
NS-N35SH	<=150	1.24	1.17	12.4	11.7	963	868	12.1	10.9	>= 1592	>= 20	295	263	36	33
NS-N38SH	<=150	1.29	1.22	12.9	12.2	1033	907	12.6	11.4	>= 1592	>= 20	318	287	40	36
NS-N40SH	<=150	1.32	1.26	13.2	12.6	1035	939	13	11.8	>= 1592	>= 20	334	302	42	38
NS-N42SH	<=150	1.35	1.29	13.5	12.9	1059	963	13.3	12.1	>= 1592	>= 20	350	318	44	40
NS-N44SH	<=150	1.36	1.3	13.6	13	1067	971	13.4	12.2	>= 1592	>= 20	358	326	45	41
NS-N33UH	<=180	1.21	1.14	12.1	11.48	947	852	11.9	10.7	>= 1990	>= 25	279	247	35	31
NS-N35UH	<=180	1.24	1.17	12.4	11.7	963	868	12.1	10.9	>= 1990	>= 25	295	263	36	33
NS-N38UH	<=180	1.29	1.22	12.9	12.2	1003	907	12.6	11.4	>= 1990	>= 25	318	287	40	36
NS-N40UH	<=180	1.32	1.26	13.2	12.6	1035	939	13	11.8	>= 1990	>= 25	334	302	42	38
NS-N30EH	<=200	1.15	1.08	11.5	10.8	899	804	11.3	10.1	>= 2388	>= 30	255	223	32	28
NS-N33EH	<=200	1.21	1.14	12.1	11.4	947	852	11.9	10.7	>= 2388	>= 30	279	274	35	31
NS-N35EH	<=200	1.24	1.17	12.4	11.7	963	868	12.1	10.9	>= 2388	>= 30	295	263	36	33
NS-N38EH	<=200	1.29	1.22	12.9	12.2	1011	915	12.7	11.5	>= 2388	>= 30	318	287	40	36
NS-N30AH	<=220	1.15	1.08	11.5	10.8	899	804	11.3	10.1	>= 2786	>= 35	255	223	32	28
NS-N33AH	<=220	1.24	1.16	12.4	11.6	947	852	11.9	10.7	>= 2786	>= 35	287	255	34	31
NS-N35AH	<=220	1.24	1.16	12.4	11.6	947	852	11.9	10.7	>= 2786	>= 35	287	255	36	33

烧结钕铁硼

Main Property:

Bonded Neodymium has high magnetism, can selection into the magnetization direction optionally and is multiple-oriented. It can be made into complicated shapes. Appending temperature-resistant plastic enables good stability. It is coated with a special epoxy for high rustresistance. Composition of hard ferrite or rare earth magnetic powders are embedded in thermoplastic , and formed on injection machine. It is possible to incorporate shafts or other insert to the magnet during process. Varieties of shapes can be manufactured, such as gear, thin wall ring and many other complicated shapes.

Good resistant to corrosion and chips. Magnet can be magnetized full or partly.

We use advanced granulating equipment and technology from Japan and U.S.A to help ensure our customers get magnets with the best technology and quality. By controlled production we can lower costs to you.

Using advanced equipments with radian magnetic field, we can produce multilevel anisotropic magnets.

We can produce all kinds of shapes for high-accuracy gear, thin wall ring types and other special applications.

We can also produce injection and bonded neodymium, and can produce the hoop on the outside.

By use of leading technology, we make various kinds of embalmment according to customer's requirements.

Our machining employs high-accuracy shaping moulds according to customer requirements.

Continuous Quality Testing to help insure product quality.

All of the dies create as customer's demand belong to the customer.

主要特性:

粘结钕铁硼拥有最高性能, 可任意选择磁体的充磁方向, 能对环形磁体径向多极充磁, 可制作复杂的磁体形状, 并用耐温塑料及添加剂对磁粉进行包覆处理, 使其有出色的抗温稳定性, 而特殊的树脂涂层可保证其良好的耐腐蚀性。

材料资料:

- 铁氧体或稀土磁粉混于热塑性材料用注射压制方法成型
- 磁体可在生产途中加入主动轴或其他插件
- 其独特之机械性能可制成不同复杂形状: 如带齿轮, 薄壁环型和其他特别形体
- 良好放蚀和放破碎
- 磁体可按客人要求全只或部分充磁

从日本, 美国引进先进的造粒设备和技术, 给客户以强大的技术和品质支持。

通过在大量生产中严格执行品质控制及有效降低成本, 给客户绝对优势的价格支持。

引进先进的各向异性压型设备, 能生产多极和辐射充磁的各向异性磁体。

可生产各种不同复杂形状和高精度齿轮, 薄壁环型和其他特别形状, 可在磁体中注入各种部件。

可生产注射粘结钕铁硼, 并可组合外套铁环。应用领先技术, 对磁体按客户要求各种防腐处理。

可根据客户提供的尺寸, 加工高精度的一次成型模具。

先进的理化检测, 保证产品的品质。为保障客户之权利, 产品模具均为客户指定专用。

先进的理化试验室及强有力的研发队伍作为生产高性能, 高质量产品强有力保证。



粘结钕铁硼一般物理性能

一般物理性能										
参数		注射黏结铁氧体磁				黏结钕铁硼磁				
		PBN-10	PBN-11	PBN-13	PBN-15	PBN-6	PBN-8	PBN-10	PBN-12	PBN-8H
居里温度	℃	450				310	310	310	310	310
最高工作温度	℃	120				140	140	140	130	125
密度	g / cm ³	3.4 - 3.7				5.8 - 6.2	5.8 - 6.2	5.8 - 6.2	5.8 - 6.2	5.8 - 6.2
回复磁导率	u rec	1.3				1.15	1.15	1.22	1.22	1.15
饱和磁	k0e	10				>25	>25	>25	>25	>40
	kA / m	800				>=2000	>=2000	>=2000	>=2000	>=3200
剩磁温度系数	% / ℃	-0.2				-0.13	-0.13	-0.07~ -0.105	-0.13	-0.07~ -0.105

粘结钕铁硼一般磁性性能

注射粘结体磁性能参数 The Injection Bonded Magnet Typical Properties									
类别 Item	性能 Grade	剩磁 Remanence:Br		矫顽力 Coercivity:HcJ		内禀矫顽力 Coercivity:HcJ		最大□能积 Max Energy Product (BH)max	
		Br(mT)	Br(Gs)	bHc (kA/m)	bHc (Oe)	iHc (kA/m)	iHc (Oe)	(BH)max (KJ/m)	(BH)max (MG Oe)
铁氧体磁 Injection Bonded Ferrite Magnets	PBF-10	220-240	2200-2400	145-165	1800-2060	190-225	2375-2810	9.0-10.6	1.13-1.33
	PBF-11	230-250	2300-2500	160-185	2000-2310	225-260	2810-3250	10-12	1.25-1.50
	PBF-13	250-270	2500-2700	175-195	2180-2440	200-230	2500-2875	11.5-14.5	1.44-1.82
	PBF-15	270-290	2700-2900	175-195	2180-2440	200-230	2500-2875	14.5-16.5	1.82-2.07
钕铁硼磁 Injection Bonded NdFeB Magnets	PBF-6	520-600	5200-6000	304-360	3800-4500	640-800	8000-10000	40-56	5-7
	PBF-8	600-650	6000-6500	360-440	4500-5500	640-960	8000-12000	56-72	7-9
	PBF-10	650-700	6500-7000	360-464	4500-5800	640-960	8000-12000	72-80	9-10
	PBF-12	700-760	7000-7600	424-480	5300-6000	640-880	8000-11000	80-96	10-12
	PBF-8H	550-620	5500-6200	400-488	5000-6000	960-1280	12000-16000	48-72	6-9

粘结钕铁硼

About NIKOS SOLUTIONS PLT.

NIKOS SOLUTIONS PLT. was established in 2013 takes pride in the Quality, Strength, Reliability and the durability of our products and strive hard to uphold our reputation and trust of our customers. NIKOS SOLUTIONS PLT. is a leading manufacturer and supplier of the magnetic systems. We offer a wide range of separation equipment to detect and remove ferrous contamination from dry particulates, liquids, and slurries. Our products are characterized through superior value, high quality, strength and fairly priced.

The product densities, flow rates, operating temperatures and the type of metal contents and ferrous contamination to determine the magnetic systems. The ceramic magnet is well suited for typical tramp iron separation. This type of magnet is relatively inexpensive, but that is low surface intensity. The Rare Earth Magnet is expensive and be used at products where the density and flow rate are high and also to remove very fine ferrous. Our products are widely used in the food, dairy, grain, chemical, plastics, textile, metal processing, pulp and paper, pharmaceutical, glass, ceramic, sugar, mining and minerals industries, etc.

We are highly concerned with the quality products, so we use optimum quality raw material and the industrial standards during the manufacturing process. You can customize most of our separation systems by ordering it with the suitable magnetic materials (Ceramic or Rare Earth) to suite for your application.

Our company is a quality oriented firm assuring to deliver a good quality product to our customers. Owing to our dexterous professionals, prompt delivery and ability to fulfill the customer's ordered products, we have achieved maximum satisfaction of our customers. Our professionals ensure that all the offered products are in conformity with the predefined standards of industries.



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