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TAIGER

常州市泰阁空气处理设备有限公司

ChangZhou Taiger Air Treatment Equiment Co.ltd

专业转轮产品服务商
professional service provider of rotor peoducts

超级硅胶转轮|分子筛转轮
HTS ROTOR | HTM ROTOR

合作共赢 win-win cooperation | 诚实守信 Be honest and trustworthy | 开拓创新 Pioneering and innovating | 精益求精 constantly improve something

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我们的愿景 vision

我们立志成为转轮行业内特定产品或技术开发及应用的核心企业。

We are determined to become the runner industry specific products or technology development and application of the core enterprises.

我们的价值观 value

产品是企业的形象质量是企业的信誉。

Products is the image of the enterprise, and quality is the credibility of the enterprise.

我们的理念 Faith

合作共赢 诚实守信 开拓创新 精益求精。

win-win Integrity Open innovation Keep improving.

CREATIVE
BUSINESS IDEAS
创造性的商业理念

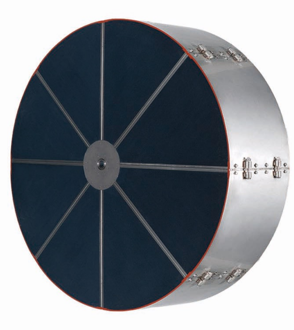
专业转轮产品服务商
PROFESSIONAL ROTOR PRODUCT SERVICE PROVIDER

常州泰阁空气处理设备有限公司是一家专注空气处理领域相关产品研发，生产，销售和服务的综合型企业。我们和来自瑞典、泰国工业除湿领域的资深专家合作，致力于为全球工业除湿领域广大空气设备制造商和各类终端客户提供优质的转轮组件和相关技术服务。泰阁公司作为转轮供应商将以优异的品质、优惠的价格、良好的服务以及迅速的交货期与各除湿机生产厂商保持良好的合作关系，共同开拓并服务于中国的除湿市场。

ChangZhou Tiger Air Treatment Equipment Co.Ltd.is focusing on the research and development, production, sales and service of related products in the field of air treatment.our cooperate with senior experts from Sweden and Thailandin the field of industrial dehumidification, and are committed to providing high-quality rotary components and related technical services.As a rotor supplier, Tiger will maintain a good cooperative relationship with dehumidification manufacturers with excellent quality, preferential prices, good service and fast delivery time□and jointly develop and serve the dehumidification market in China.

我们产品 OUR PRODUCT

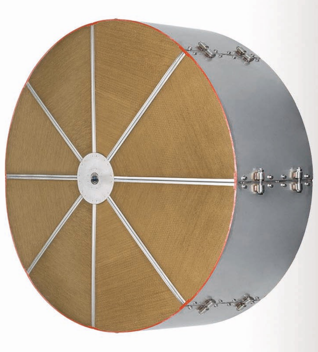
・材料成分:82%活性硅胶,16%玻璃纤维,2%丙烯酸。
・特性:干比重240kgs/m3,表面抗压强度>200kpa,对最高
湿度没有限制（无水滴进入转轮内部),可置于湿空气中至其饱和后用非碱性液体清洗。
・应用范围:适用于一般除湿应用,例如船舶，桥梁，半导体，塑料，锂电，制药，育种，食品，玻璃，军工等.适用于中性至酸性环境.HTS(改性硅胶)适用于水分含量较低的场合,例如奶粉,压缩空气干燥,产品干燥和运输等.



HTS ROTOR
超级硅胶除湿转轮

・Material composition:82% active silica gel,16% glass fiber,2%acrylic surface coating
・Features:Density 240kgs/m3, surface compressive strength>200kpa,no limit to the maximum humidity(as long as no droplets enter the rotor),you can use a weakly washed non-alkaline detergent saturated in humid air.
・Application:Suitable for general dehumidification applications,such as steel, bridge, electronic equipment, seed storage,lamination, glass, candy, desiccant cooling, etc.Suitable for neutral to acidic environments.

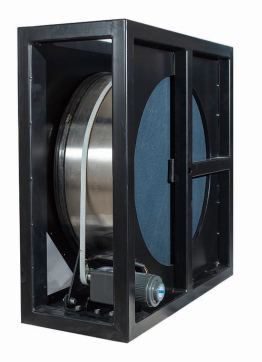
・材料成分：37%分子筛，45%活性硅胶，16%玻璃纤维，2%丙烯酸.
・特性：干比重250 kgs/m3・表面抗压强度>200kpa,最高湿度没有限制（无水滴进入转轮内部）置于湿空气中至其饱和后用弱碱性液体清洗.
・应用范围：适用于露点极低和/或过程空气温度高的应用，例如锂电池，塑胶等.适用于碱性至中性环境.



HTM ROTOR
分子筛除湿转轮

・Material composition: 37% molecular sieve, 45% active silica gel, 16% glass fiber, 2% acrylic surface coating.
・Characteristics: Approximately dry material density of 250kgs / m3 Surface compressive strength> 200kpa, no limit on maximum humidity
(as long as no droplets are introduced into the rotor) can be washed with weak alkaline detergent after being saturated in humid air
・Applications: Suitable for applications with extremely low dew points and / or high process air temperatures, such as lithium batteries, plastic funnels, etc. Suitable for alkaline to neutral environments

・材料成分:82%硅铝化合物,16%玻璃纤维
・特性:干比重240kgs/m3,表面抗压强度>200kpa,对最高
可以选择性地吸附NMP等有机溶剂，当再生脱附后形成高浓度气体以便于用户回收或处理。
・应用范围:适用于一般溶剂回收应用,例如半导体，塑料，锂电，制药，玻璃，军工等.适用于中性至酸性环境.



HTN ROTOR
溶剂回收转轮

・ Material composition: 82% silicon aluminum compound, 16% glass fiber
・ Characteristics: dry specific gravity 240kgs/m3, surface compressive strength>200kpa
It can selectively adsorb organic solvents such as NMP, and form high concentration gas after regeneration and desorption to facilitate user recovery or treatment.
・ Scope of application: suitable for general solvent recovery applications, such as semiconductor, plastics, lithium battery, pharmaceutical, glass, military, etc. Suitable for neutral to acidic environments

沸石转轮特性：常温吸，高温脱，净化率未95% 到 98%，一般废气处理温度浓度 700mg，再多的话，就不容易达标。
沸石转轮的优势：可以根据废气浓度调整轮的转速，浓度高低决定转轮速度。如果浓度高的话，转轮的速度可调整速度，这样可以进行多次脱附和吸附，反之降低轮速。

HTV ROTOR
沸石浓缩转轮

Characteristics of zeolite runner: absorption at normal temperature and removal at high temperature. The purification rate is less than 95% to 98%. Generally, the temperature and concentration of waste gas treatment are 700mg. If there is more, it is not easy to reach the standard.
Advantages of zeolite runner: the speed of the runner can be adjusted according to the concentration of waste gas, and the concentration determines the speed of the runner. If the concentration is high, the speed of the runner can be adjusted, so that multiple desorption and adsorption can be carried out, and on the contrary, the wheel speed can be reduced.

产品特征 PRODUCT CHARACTERISTICS

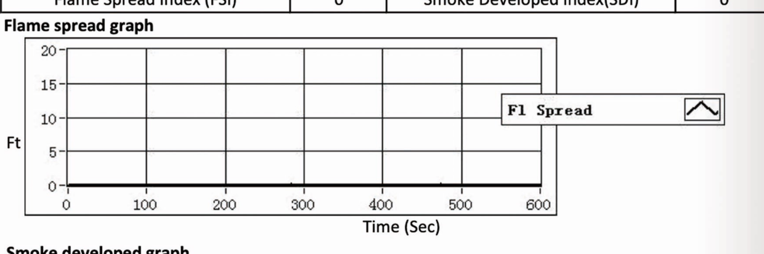
Test Observation (min:sec)

Melting	Blistering	Transient Ignition	Steady Ignition	Flaming drops
/	/	/	/	/
Delamination	Sagging	Shrinkage	Falling	Floor Flame
/	/	/	/	/

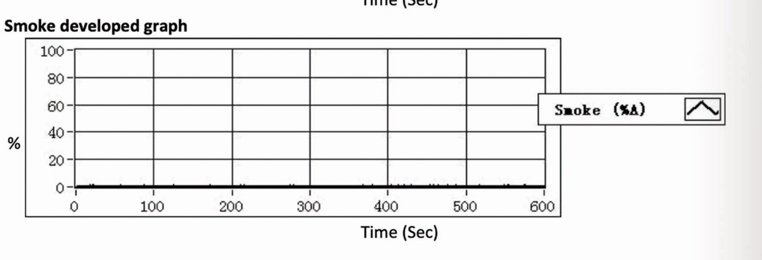
Test Result

Flame Spread Index (FSI)	0	Smoke Developed Index(SDI)	0

Flame spread graph



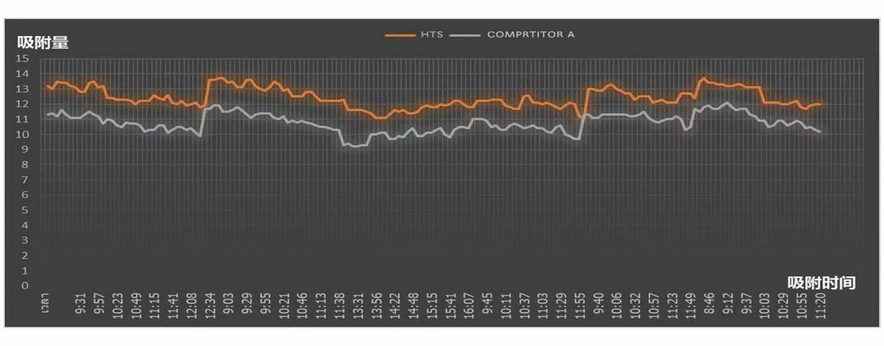
Smoke developed graph

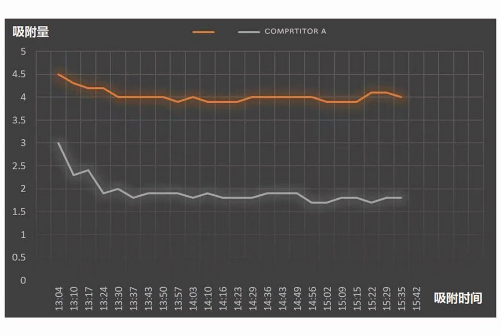


耐火性和高表面抗压强度

根据ASTM E84-18b的测试结果证实了它的耐火性能，其火焰蔓延指数为0，烟度指数为0.拥有200kpa以上的表面抗压强度。

Test Items, Method and Results:
Test Method: ASTM E84-18b Standard Test Method for Surface Burning Characteristics of Building Materials.
Specimen Mounting Method:
Test Observation (min:sec)Test Result Flame Spread Index (FSI) Flame spread graphFtSmoke developed graph%Time (Sec)The 23.88-ft. long test specimen consisted of eight 2.99-ft. long x 24.02-in. wide x 3.54-in. thick "Desiccant Rotor Media".
The specimen was same in both sides.
The specimen was self-supporting.





高吸附能力

转轮具有较高的吸附能力；在相同条件下，与竞争对手性能对比曲线如图所示，性能高出约10%-20%

高含量的活性干燥剂

瑞典独特的制造技术为我们的转子提供了更高的活性干燥剂比其细分市场中的任何其他转子都要多。这确保了更多的除湿效果，从而降低了运行成本。

Sweden's unique manufacturing technology provides our rotors with higher active desiccants than their market segments Any more rotors in it.This ensures more dehumidification and reduces operating costs.

HIGH ADSORPTION CAPACITY:THE ROTOR HAS HIGH ADSORPTION CAPACITY; PERFORMANCE COMPARISON WITH COMPETITORS UNDER THE SAME CONDITIONSAS SHOWN IN THE FIGURE, THE PERFORMANCE IS ABOUT10%-20%

Fire resistance and high surface compressive strength:Test results according to ASTM E8 4 confirm its fire resistance,Its flame spread index is O and the smoke index is 0.Have a surface compressive strength above 200kpa

转轮的技术特点 RUNNER TECHNICAL CHARACTERISTICS

极高的除湿剂上胶率

HTS/HTH转轮具有高达82%的活性硅胶上 足绝大多数应用领域的除湿要求。

Extremely high desiccant sizing rate

The HTS / HTH rotor has an active silica gel sizing rate of up to 82%, so it has excellent moisture absorption ability andcan meet absolute Dehumidification requirements for most applications.

优异的耐火性能

除湿介质具有优异的耐火性能，基于ASTME的E-84标准检测表明，材料的燃烧指数和发烟指数均为0，极大地 拓展了其应用场景。

Excellent fire resistance

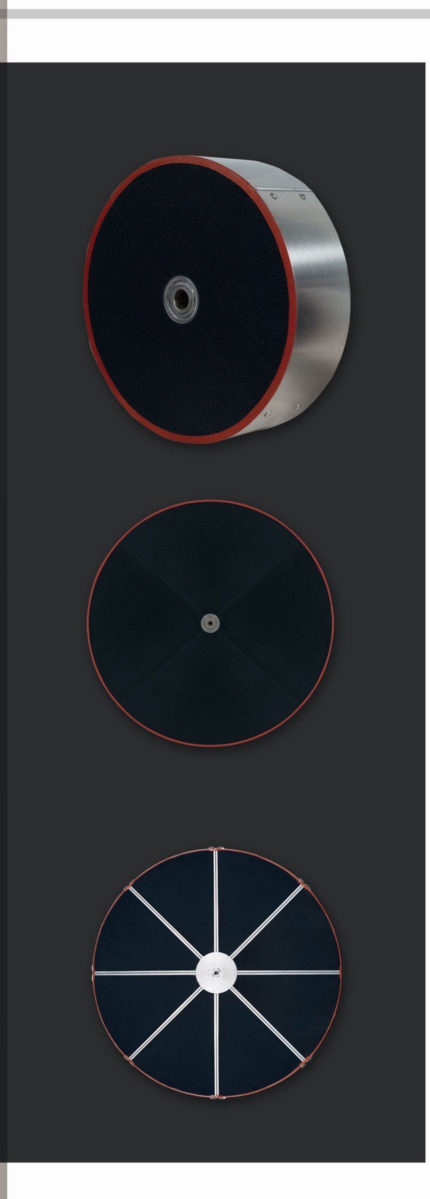
The dehumidification media has excellent fire resistance. Testing based on ASTME E-84 standardshows that the material's combustion index and smoke index. The numbers are all 0, which greatly expands its application scenarios.

结构多样性

转轮的结构可以根据客户要求制作。诸如金属结构件材质的选择、是否需要法兰等。对于大型转轮，拆装式结构将非常有利于运输和现场的安装。

Structural diversity

The structure of the rotor can be made according to customer requirements. Such as the choice of the material of the metal structure, whether the flange is required. For large.The runner and dismountable structure will be very helpful for transportation and field installation.



卓越的除湿能力

HTS/HTH硅胶转轮有效的活性硅胶上胶率高达82%，因此具有极佳的除湿能力，其静态吸湿量可以达到干重的40%左右。动态测试试验表明转轮在任意高的相对湿度环境下均可稳定可靠地运行，可以满足绝大多数应用领域的除湿要求。

Excellent dehumidification

HTS/ HTH Silicone Wheel Effective Active Silicone Sizing The rate is as high as 82%,so it has excellent dehumidification capacity.Its static moisture absorption can reach about 40% of dry weight.The dynamic test test shows that the runner is at an arbitrary high relative humidity.Stable and reliable operation under the environment Dehumidification requirements for most applications.

易于清洁

HTS/HTH转轮可用水或非碱性清洁剂清洗，清洗可以除去转轮中附着的灰尘和油污，延长其使用寿命。

Easy to clean

HTS / HTH rotors can be cleaned with water or non-alkaline cleaners.Cleaning can remove dust and oil stains from the runner,Lengthen the life cycle of products.

优良的介质强度

转轮介质的表面抗压强度大于200Kpa即2公斤力/平方厘米）

Excellent dielectric strength

Surface compressive strength of runner mediumis greater than 200Kpa (2 kgf / cm2)

PO INSTRUCTION
订购须知
FOR TIGER ROTOR

我们致力于为全球市场提供满足您需求的、具有世界一流性能的、符合您特殊 需求尺寸的除湿转轮。

WE ARE COMMITTED TO PROVIDING GLOBAL MARKETS WITH DEHUMIDIFICATION ROTORS WITHWORLD-CLASS PERFORMANCE THAT MEET YOUR NEEDS (EVEN SPECIAL NEEDS)

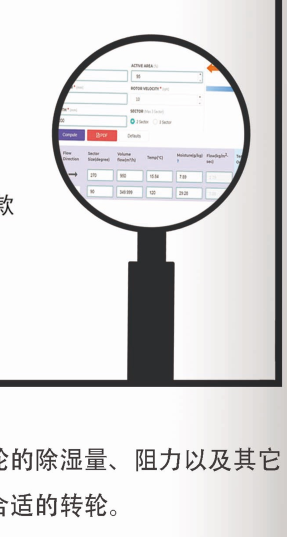
SELECTION | 选型

HT (☐) ☐ × ☐ ☐

转轮直径(mm) 转轮厚度(mm)

- S 高效硅胶
- X 超级硅胶
- C 硅胶分子筛复合
- H 硅胶氯化锂复合
- M 分子筛
- N NMP 浓缩
- V VOC 浓缩

- C 带转轮箱
- F 带法兰边
- K 分拆式结构
- S 特殊定制款
- 空白为通用款



由泰阁公司提供的计算机软件可以非常容易地计算出转轮的除湿量、阻力以及其它一些特性参数，从而协助客户根据不同的除湿要求选择合适的转轮。

THE COMPUTER SOFTWARE PROVIDED BY TAIGE CAN EASILY CALCULATE THE DEHUMIDIFICATION AMOUNT, RESISTANCE AND OTHER CHARACTERISTICS OF THE RUNNER, THEREBY ASSISTING CUSTOMERS TO CHOOSE THE APPROPRIATE RUNNER ACCORDING TO DIFFERENT DEHUMIDIFICATION REQUIREMENTS.

AFTER SALES
售后定制服务
CUSTOMIZED SERVICE

Tiger在原有的售后基础上可由技术人员上门为大型锂电池厂、药厂、塑胶厂等厂商提供转轮更换，定期服务保养服务。

tiger can be based on technology after the original after Sales People come to large lithium bettery factories.pharmaceutical factories .plastic rubber factory and other manufacturs provide runner repiacment and regular service Maintenance services.

Tiger将针对不同用户的实际需求以及不同的转轮设备，在现有定型产品的基础上，根据顾客需求定制的服务。

Tiger will address the actual needs of different users and Different runner equipment, based on existing stereotypes Based on this, services tailored to customer needs.