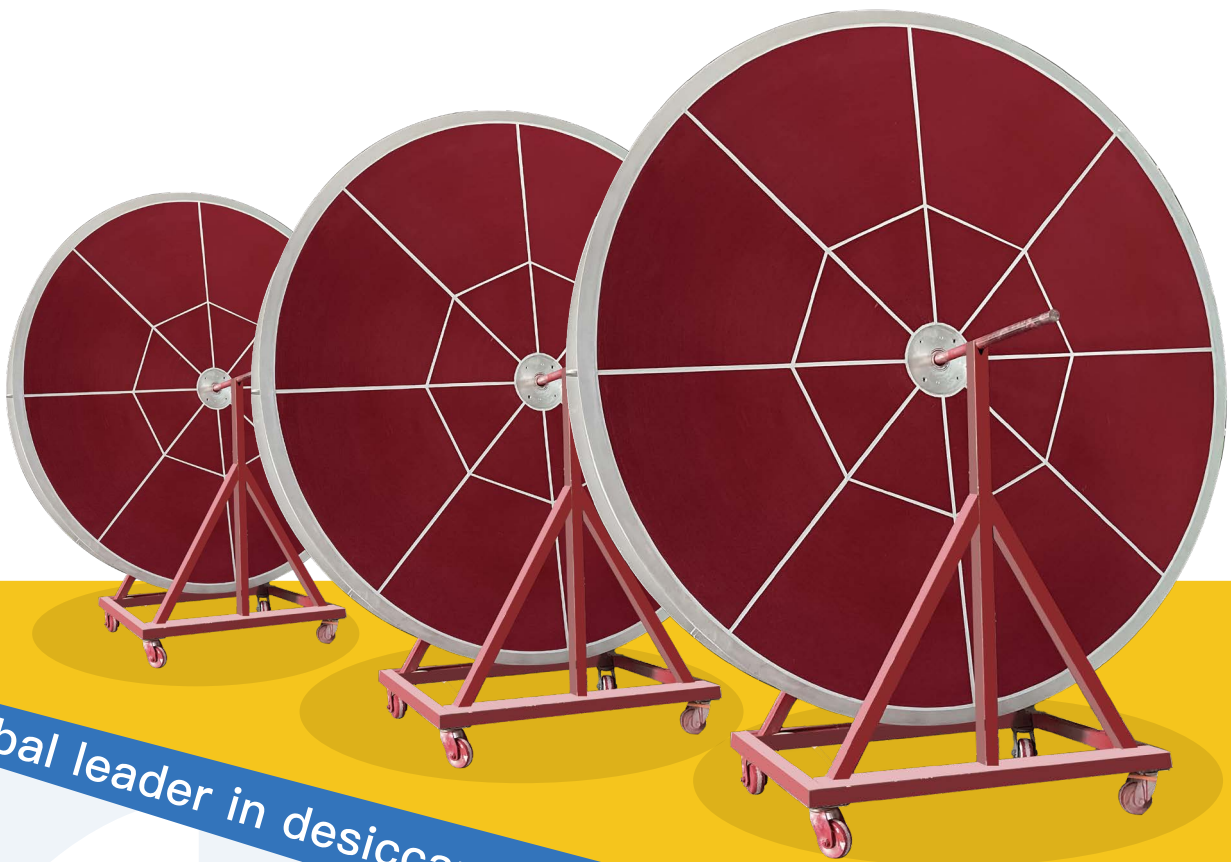


# Puresci<sup>®</sup>

## DESICCANT ROTOR MANUAL

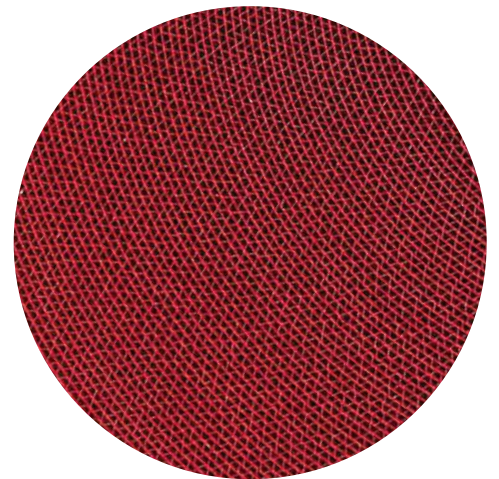


Global leader in desiccant rotor & application technology solution

# Material

handle with care to prevent bruising

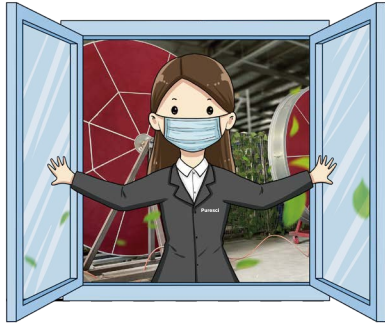
Puresci takes advantage of the substrate materials' feature( thin, light and porous), adopts the chemical reaction method, realizing the firmly combination between the absorption material and the substrate. Meanwhile, the addition of other chemical additives can increase the adhesion amount of the adsorption material, can control the uniform growth of the adsorption material pores, and can improve the adsorption performance and adsorption capacity of the product.



**A rotor is like a baby  
please be tender!**

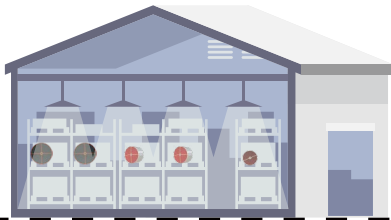
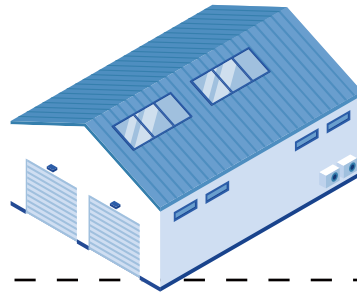


# Storage Conditions



Ventilative

Dry



Clean

Prohibit to Deposit



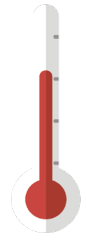
Moist



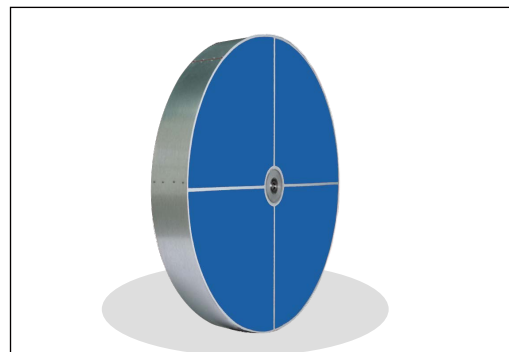
Dirty

# Using Environment

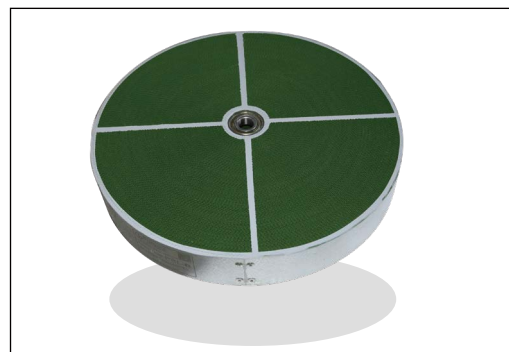
According to different rotor series  
Use correctly at certain temperature



High temperature regeneration rotors

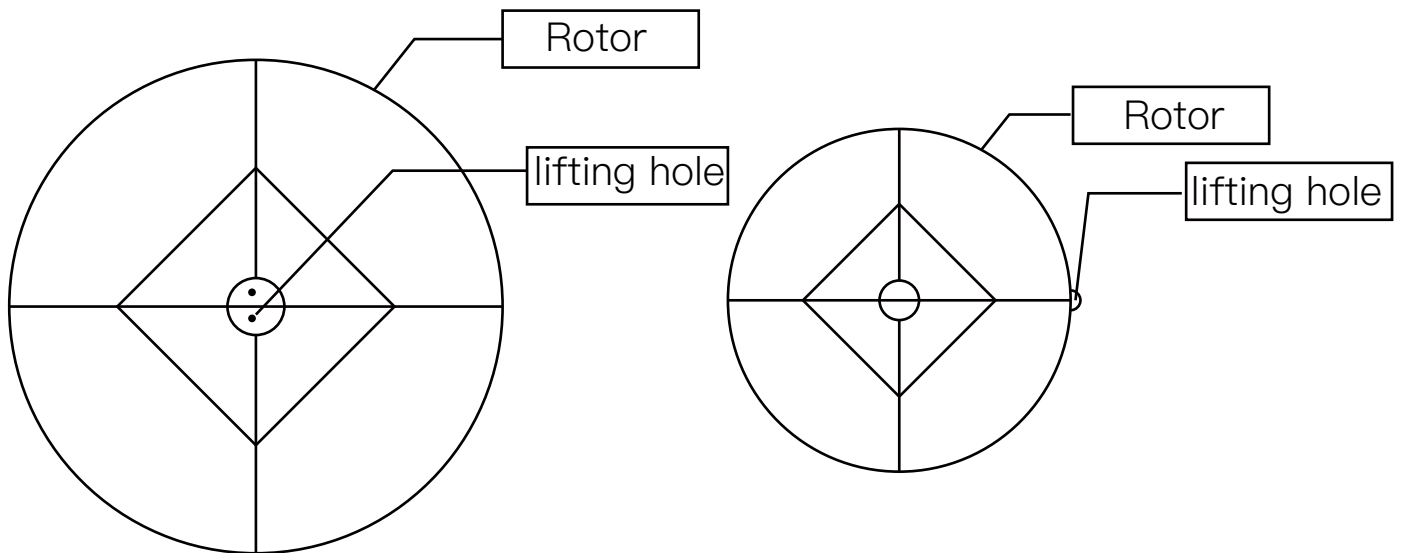


Medium temperature regeneration rotors



Low temperature regeneration rotors

# lifting Instruction



Tips: Rotor with a diameter  $\geq 850$ mm are equipped with lifting rings

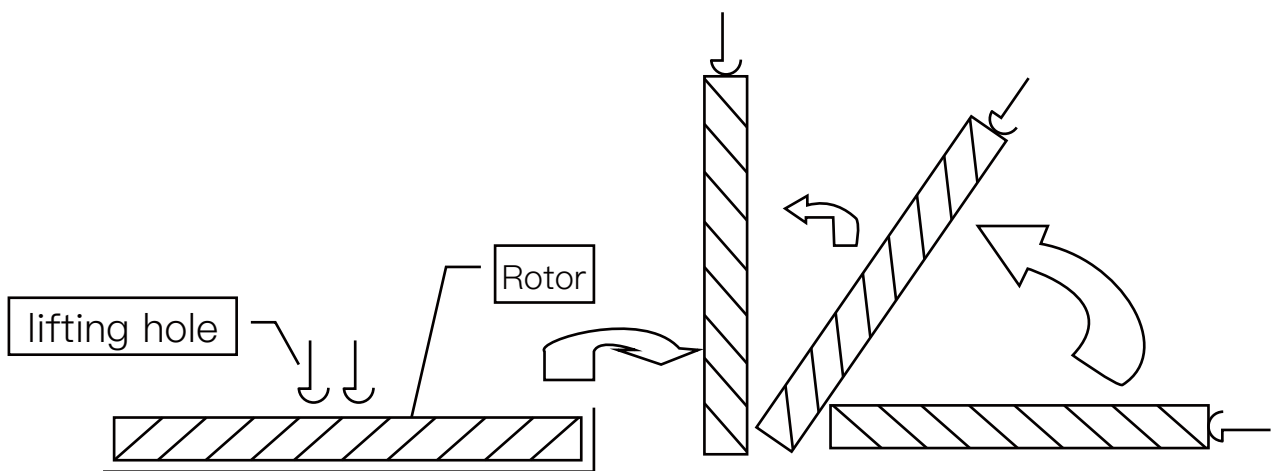


Figure 1

Figure 2

1. It is suggested that you use the lifting ring to fix on the lifting hole, and use the crane to parallel move the rotor out of the wooden box, as shown in Fig.1 to Fig.2
2. It is suggested that you use the lifting ring to fix the screw hole, and use the crane to erect the rotor. As shown in Fig.1, loaded the rotor into the frame then.

# Precautions for Placing Rotors

In order to prevent the rotor from cracking and bumping during the handling process, please pay attention to the following matters



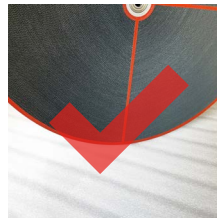
Don't scroll



lay flat



Don't touch the ground directly



Need to pad foam cotton



Don't let the skeleton side land on the ground

## Warehousing

It is recommended to lay it flat or on a specialized rotor bracket

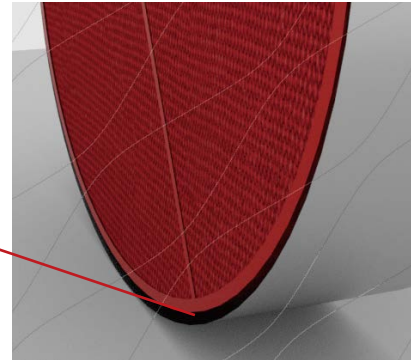
Each layer needs to be covered with foam pads when multiple rotors are placed flat



# When installing (vertical)

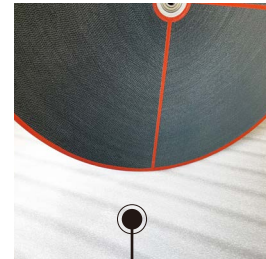
Three ways to place the rotors

The rotor is easy to crack when direct contact with the ground

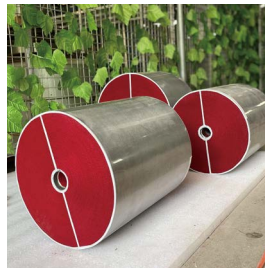
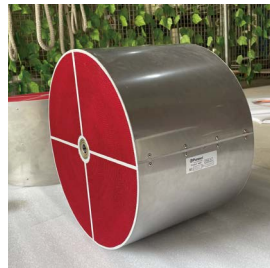


# 1

Use foam pads  
Placed in the direction of the skeleton  
Suitable for small rotors

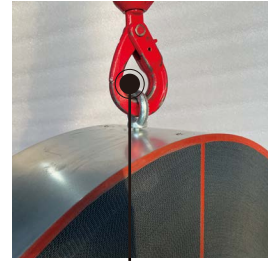
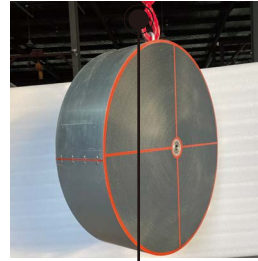


The right way to place



# 2

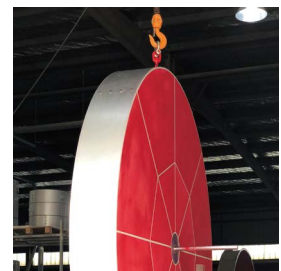
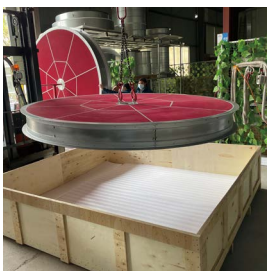
lifting ring (Vertical hanging)  
Suitable for small and large rotors  
Read lifting instructions for details



lifting ring (Flat hanging)  
Suitable for small and large rotors  
Read lifting instructions for details



The right way to place





# 3

Specialized bracket for rotors suitable for small and large



The right way to place



# Cautions



1. The wheel should be used at its suitable temperature, strictly avoid exceeding the temperature range of the wheel.

2. The following gases will affect the service life:

- a. Alkaline gas, such as ammonia
- b. Acid gas, such as hydrofluoric acid
- c. VOCs, such as benzene series, organic chlorides, organic fluorides, organic ketones, amines, alcohols, ethers, esters, acids and petroleum hydrocarbon compounds.

# Company Introduction

Puresci is the global expert in the field of desiccant rotor and absorbing material. Over the last decades, we have been continuously setting new industry directions for the global market of desiccant rotor . From the R&D of energy saving , and technology of deep dehumidification, to the launch of Smart Solution Ecosystem of Desiccant Rotor Application . All of these are fulfilling our commitment to create value for our customers and users.

Now, there are hundreds of solutions in six application areas from our dynamic laboratory , which can be widely used in lithium batteries, plastics, food, pharmaceutical, air conditioning systems, military and many other industries. With advanced R&D and strong production capabilities, our company provides customers and users with unlimited possibilities in various application scenarios, enabling them to cope with the ever-changing market easily .

Meanwhile, the testing labs built by ourselves of the desiccant rotor and dehumidification system, which can accurately simulate the actual situation of engineering application, provides data support for design, selection and calculation.

Our mission is solving the problem of high energy consumption of dehumidification air conditioning system and reducing production cost for users.

# Puresci<sup>®</sup>

Focus on Air Handling



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