Greenhouse cooling system

内部遮阳系统







冷却效果

在夏季,隔热帘可以遮挡阳光反射掉多余的部分,漫射的阳光在温室中可以保证作物 的正常生长,并降低室内能量,从而降低室内温度,低温,保护作物免受轻度灼伤,室 内温度降低3-5℃。

保温效果

在冬季,保温遮阳帘可以防止红外辐射从室内逸出,减少地面辐射热损失,从而提高 室内温度,降低能耗,大大降低冬季温室的运行成本。

Cooling effect

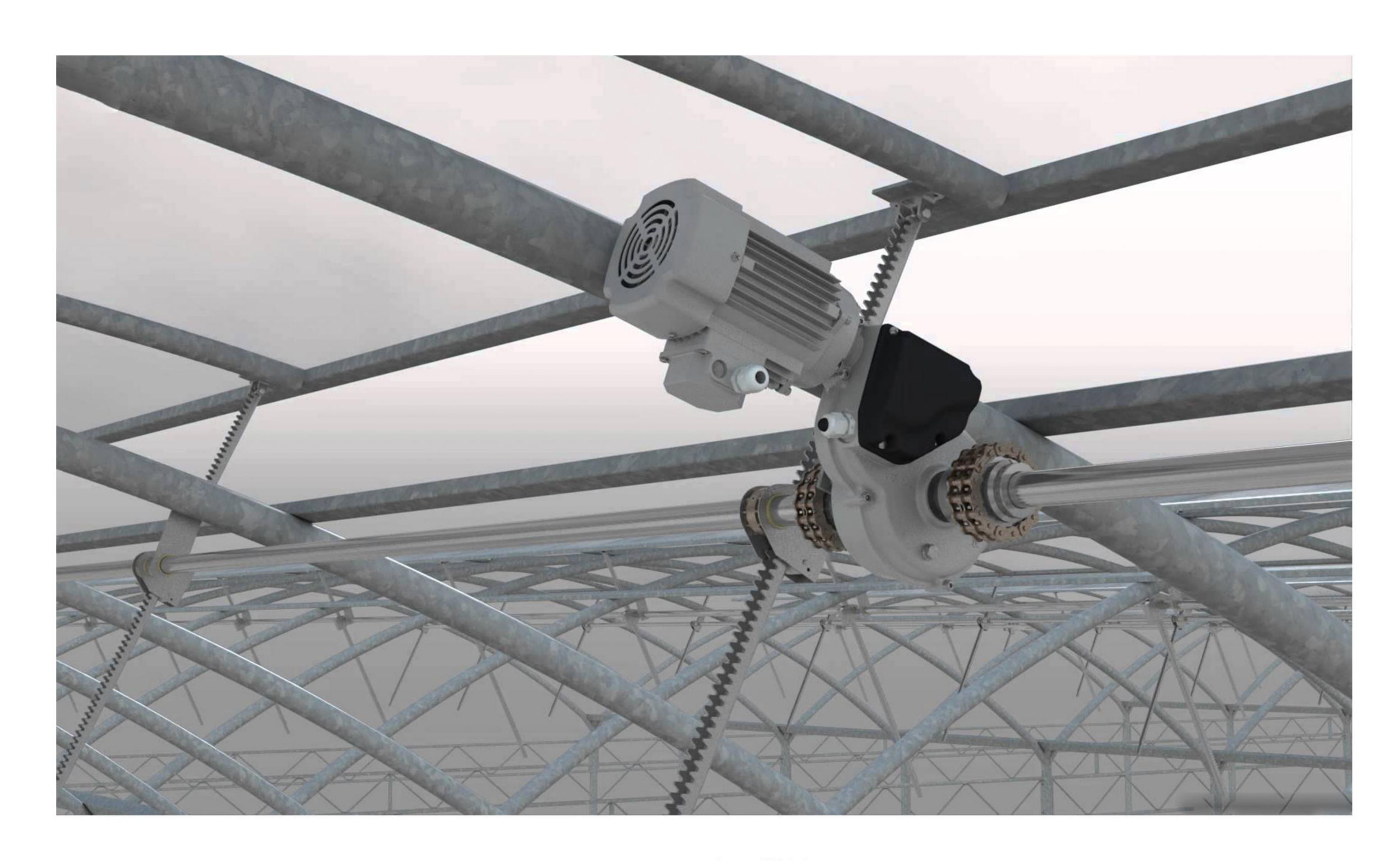
In summer, the insulation curtain can shade sunlight reflecting off the excess part of the use of, and the sun diffuse into the greenhouse can ensure the normal growth of crops, and reduce the indoor energy so as to reduce the indoor temperature, low temperature, protect crops from light burns, and the indoor temperature is decreased by 3-5 C.

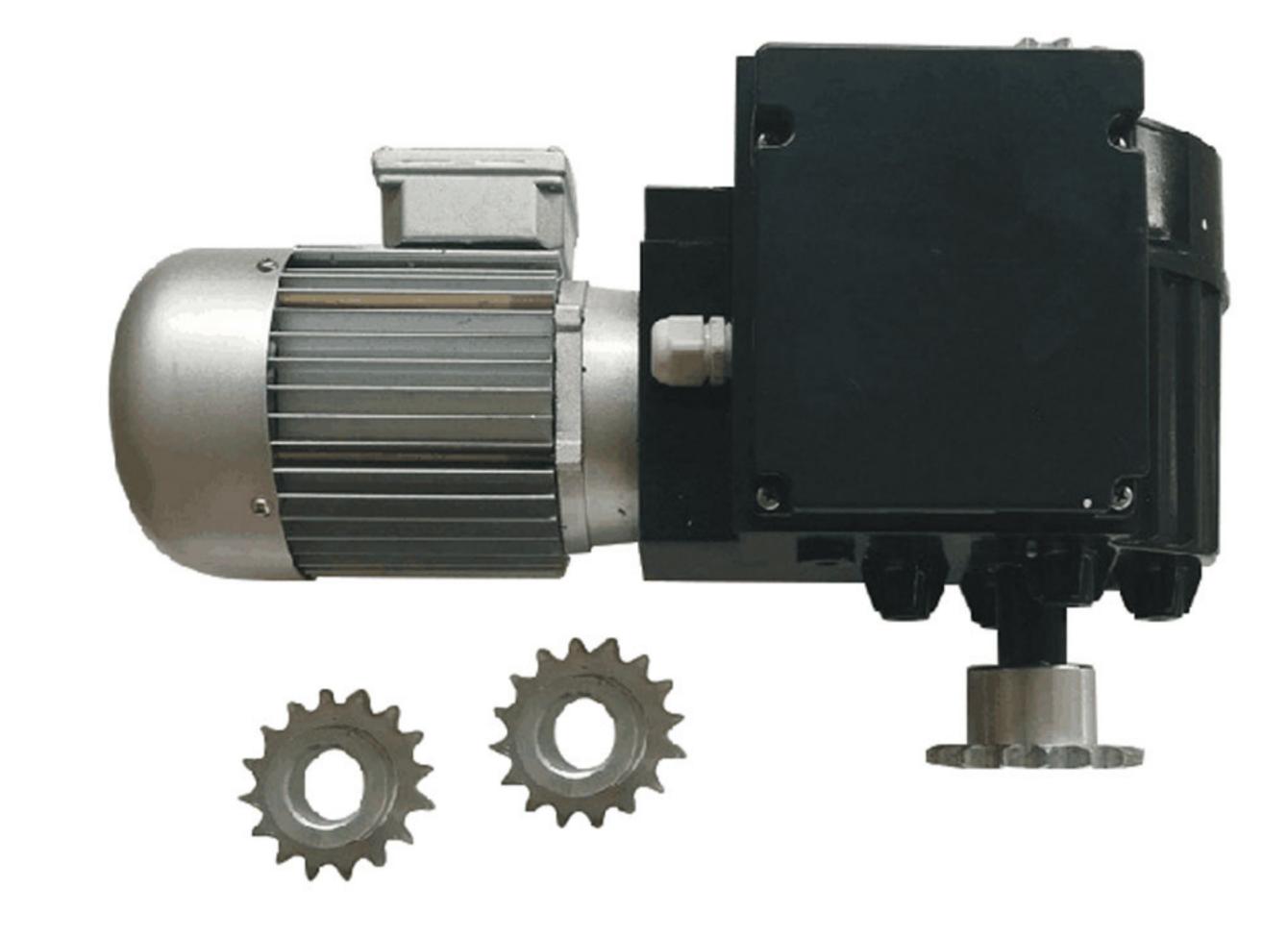
Insulation effect

In winter, the heat preservation shade curtain can prevent the infrared radiation from escaping from the interior, and reduce the radiation heat loss of the ground, thereby increasing indoor temperature, reducing energy consumption, and greatly reducing the running cost of greenhouse in winter.



开窗器Gear Motor For Curtain





产品描述

- *双输出轴,两侧卷起,用于筛分系统;
- *紧凑可靠的性能,易于安装和操作;
- *可靠的自锁性能,带行程控制装置,可自动进行;
- *由控制系统控制

Product Description

- *Double output shaft, two sides rolling up, used for screeing system;
- *Compact reliable performance easy to install and operate;
- *Reliable performance of self-locking, with travel control device, can be automatically;
- *controlled with the control system

序列号 Serial No.	等级功率 Rating power	等级电压 Rating voltage	转 RPM	输出扭矩 Output torque	频率 Frequency	单位 Unit
SP-4079	0.55KW	380V	5.2rmp	400N/m	50Hz	套/Set
SP-4076	0.75KW	380V	5.2rmp	600N/m	50Hz	套/Set

Greenhouse cooling system

三二次天禾温室科技有限公司 Jiangsu Skyplant Greenhouse Technology.,Ltd

室

外遮阳系统 External Sun-shade System

External Sun-s





冷却效果

夏季,遮阳帘可以遮挡反射部分阳光,漫射的阳光在温室中可以保证作物的正常生长,降低室内能量,降低室内温度,保护作物免受灼伤,室内温度可降低3-5摄氏度。保护作用

在夏季,遮阳布可防止室内红外辐射覆盖顶部,减少顶部的太阳辐射,从而减少顶部覆盖物的老化。

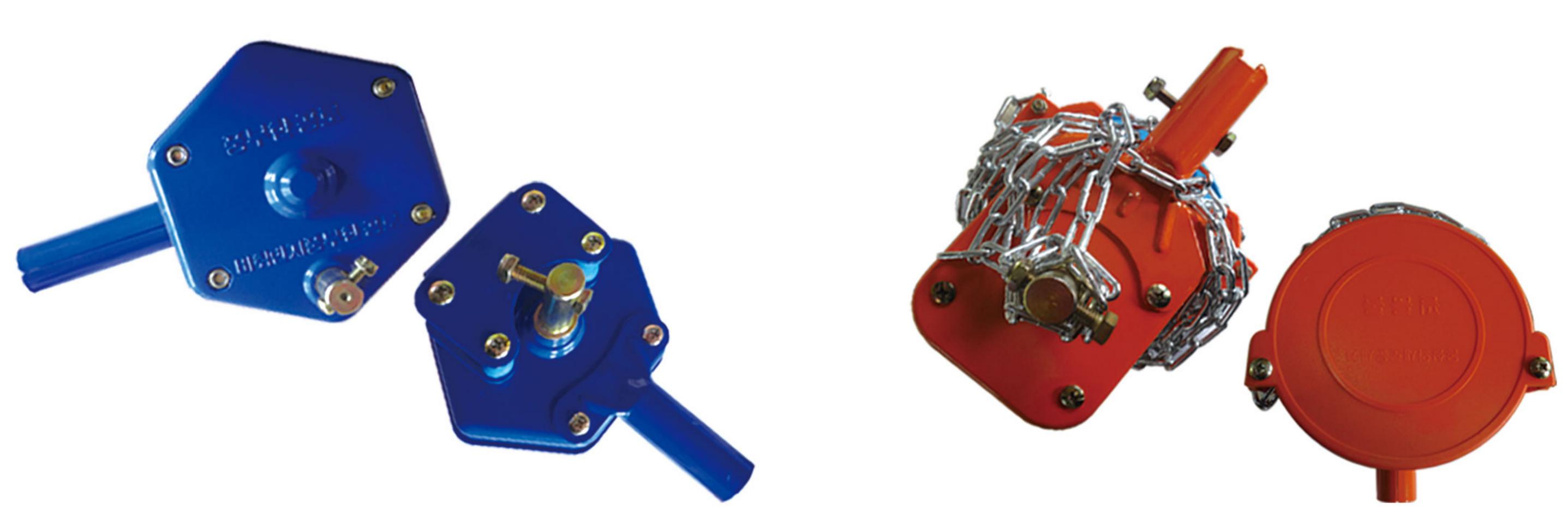
Cooling effect

In summer, the sun visor curtain can reflect the redundant part, and make the sunshine diffuse into the greenhouse can ensure the normal growth of crops, and reduce the indoor energy so as to reduce the indoor temperature, low temperature, protect crops from light burns, and the indoor temperature is decreased by 3-5 C. protective effect

In summer, shading screens prevent indoor infrared radiation from covering the top, reducing the sun's radiation on the top, thereby reducing the aging of the top covering.

序列号	宽度	驱动系统	总长度	材料	最小起订量
Serial No.	Width	Drive system	Total lenght	Material	Min order
SP-Z-E	定制 Customized	齿轮和齿条 Gear and rack	定制 Customized	遮阳网 Shading net	500 m²

通风系统 Ventilation system



韩式卷膜器 Korean film winder



手动卷膜器 Manual roll-up unit



电动卷膜器 Electric roll-up unit

Greenhouse cooling system

湿帘降温系统 Wet Pad Cooling System



工作原理

系统的降温过程是在其核心"湿帘纸"内完成的。当室外热空气被风机抽吸进入布满冷却水的湿帘纸时,冷却水由液态转化成气态的水分子,吸收空气中大量的热能从而使空气温度迅速下降,与室内的热空气混合后,通过负压风机排出室外。

working principle

The system's cooling process is done in its core "wet curtain paper". When the outdoor hot air is sucked into the wet curtain paper filled with the cooling water by the fan, the cooling water is converted into gaseous water molecules by the liquid state, and absorbs a large amount of heat energy in the air, so that the temperature of the air is rapidly decreased, and is mixed with the hot air in the room. It is discharged to the outside through a negative pressure fan.

序列号	厚度	总高度	总长度	工作寿命	最小起订量
Serial No.	Thickness	Total height	Total length	Work life	Min order
SP-WP	10-20cm	定制 Customized	定制 Customized	5年/years	500m²



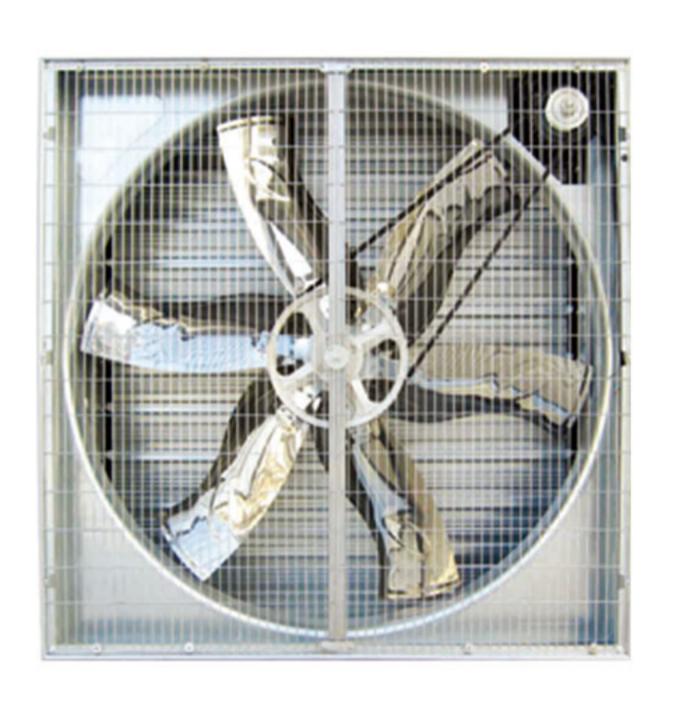


外框湿帘 Frame wet curtain



遮光罩 Light trap



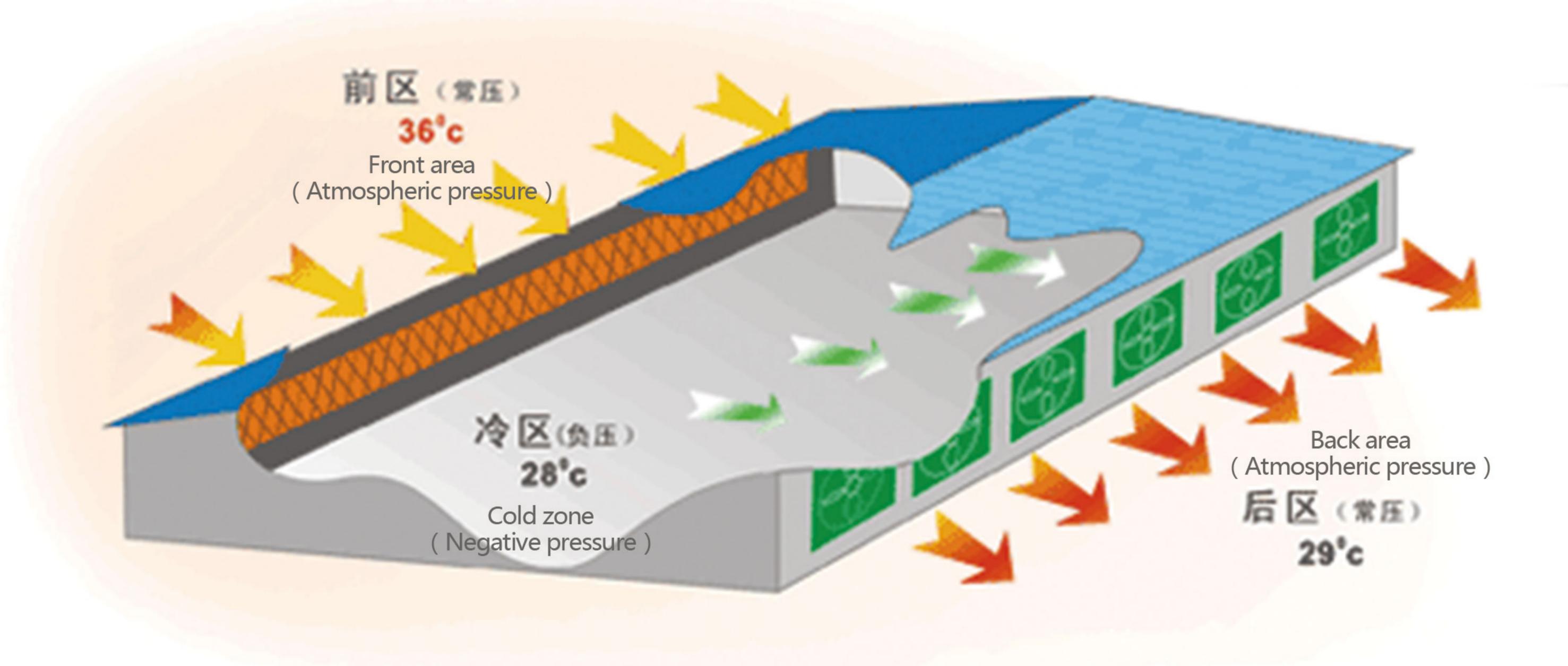






重锤式风机 Exhaust fan

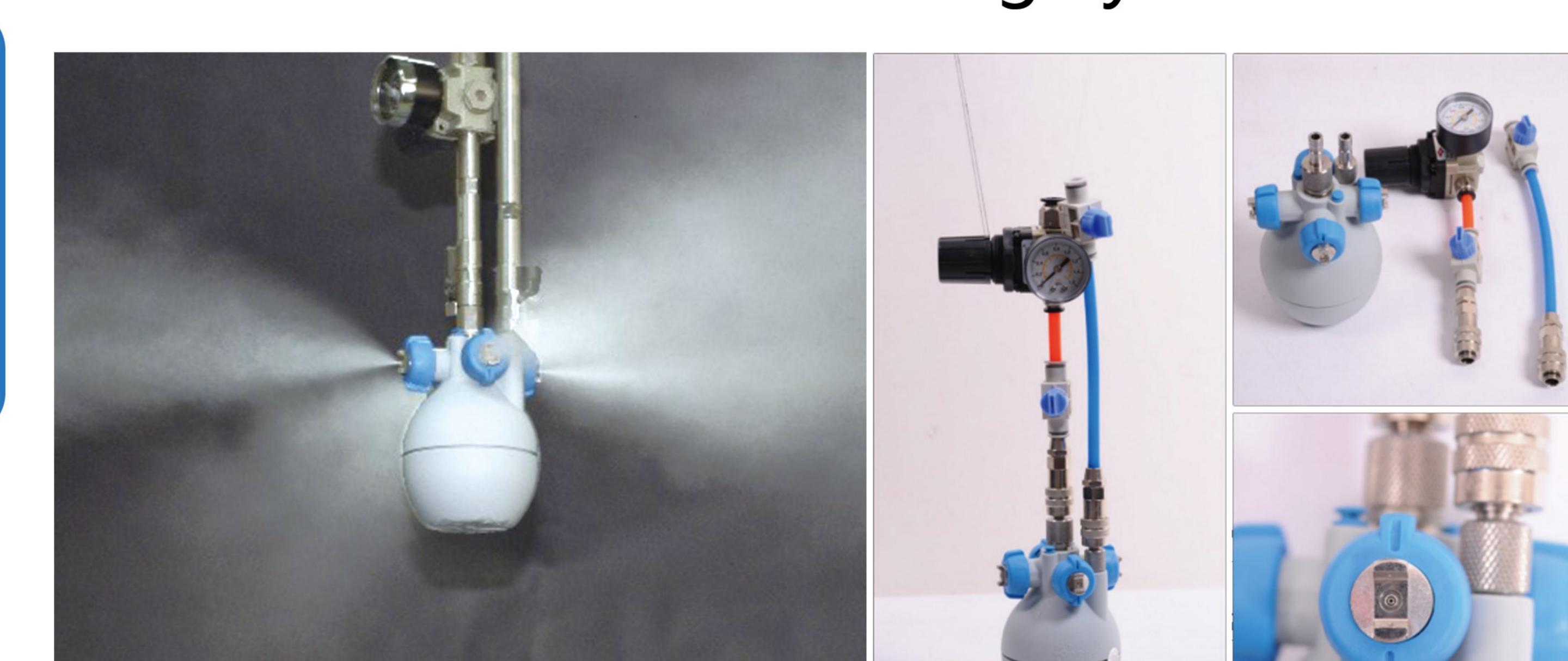
环流风机 Circulating fan



湿帘风机降温系统原理 Principle of cooling system for wet curtain fan

Greenhouse cooling system

微雾降温系统 Micro-mist cooling system



時雲哭原理

温

喷湿系统采用真空虹吸的原理工作,生成两级雾化系统的超细薄雾。在两级雾化系统中,气水混合物从中心孔喷出,实现第一次雾化;再与从旁边喷孔出来的气全混合,实现第二次雾化。根据需要进行调节水和气的压缩比,获得最佳的喷雾效果;喷雾颗粒大小:5µm-10µm.

喷雾系统的特点

紧凑型,但具有更好的加湿性能,与同类产品相比,具有更轻的重量,更短的总长度和更卓越的性能。视觉柔和的外观,精妙的设计,精妙和圆形设计,避免破坏室内和谐。

Sprayer principle

The spray system works on the principle of vacuum siphoning to create an ultra-fine mist of the two-stage atomization system. In the two-stage atomization system, the gas-water mixture is ejected from the center hole to achieve the first atomization; and the gas from the side nozzle is fully mixed to achieve the second atomization. Adjust the water and gas compression ratio as needed to obtain the best spray effect; spray particle size: $5\mu m-10\mu m$.

Spray system features

Compact, but with better humidification performance, lighter weight, shorter overall length and superior performance compared to similar products. Visually soft look, subtle design, subtle and round design to avoid disrupting indoor harmony.



移动苗床系统 Movable Rolling Bench System



手动驱动,操作简便,移动方便。 苗床框架采用铝合金材质,钢管和支架的苗床网均采用热浸镀锌,耐腐蚀性强,承载能力强,使用寿命长。可长时间在潮湿的环境中使用。

Manual drive, easy to operate, easy to move. The frame of the seedling bed is made of aluminum alloy, and the steel pipe and the seedbed net of the bracket are all hot-dip galvanized, high corrosion resistance, good load-bearing capacity, long service life.which can be used for a long time in humid environment.

序列号	宽度	总高度	总长度	工作寿命	框架
Serial No.	Width	Total height	Total lenght	Working life	Frame
SP-MS	定制 Customized	定制 Customized	定制 Customized	框架10年;网格20年 10 years for frame; 20 year for grid	