



FORTUNE WAY

全热交换芯块

FORTUNE WAY POLYMER MEMBRANE TOTAL ENERGY RECOVERY CORE

福维·高分子膜材全热交换芯

High-end Fresh Air Product Solution Provider
高端新风产品解决方案



FORTUNE WAY





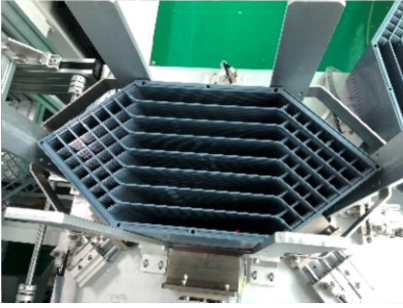
ABOUT US

公司介绍

Zhongshan FORTUNE WAY Environmental Technology Co., Ltd. is a scientific and technological enterprise integrating R&D, production and sales. Focusing on the development and production of total energy recovery core for fresh air system equipment, our company is dedicated to provide high-performance and high-quality fresh air products and services to customers, and high-quality energy-saving products and solutions to the fresh air industry. The total energy recovery core independently developed and produced by us has passed professional evaluation and approval. Our company maintains a close and stable cooperative relationship for a long term with appliance giants and real estate developers all around the world.

中山市福维环境科技有限公司是一家集设计研发、生产与销售为一体的科技型企业。公司专业从事新风系统设备专用全热交换芯块的开发和生产,致力于为客户提供高性能、高品质的新风产品和完善服务体系,为新风行业提供优质的节能产品和解决方案。我司自主研发生产的全热交换芯块已通过专业的测评与认可。我司与国内外家电巨头、房地产商保持紧密稳定的合作关系。

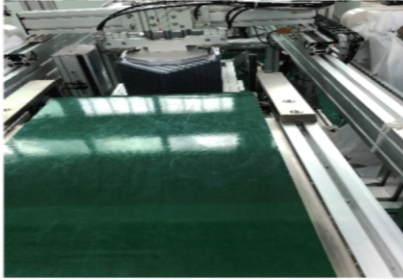
Automated assembly plant
自动化组装车间



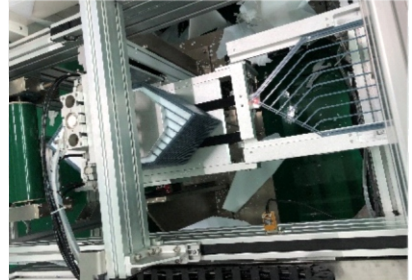
Material 物料



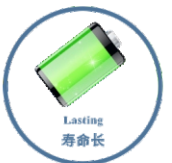
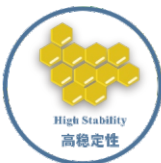
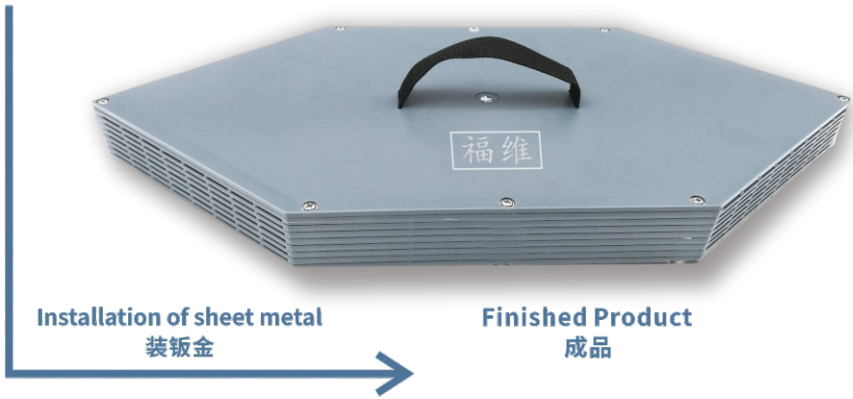
Stacking1 堆叠1



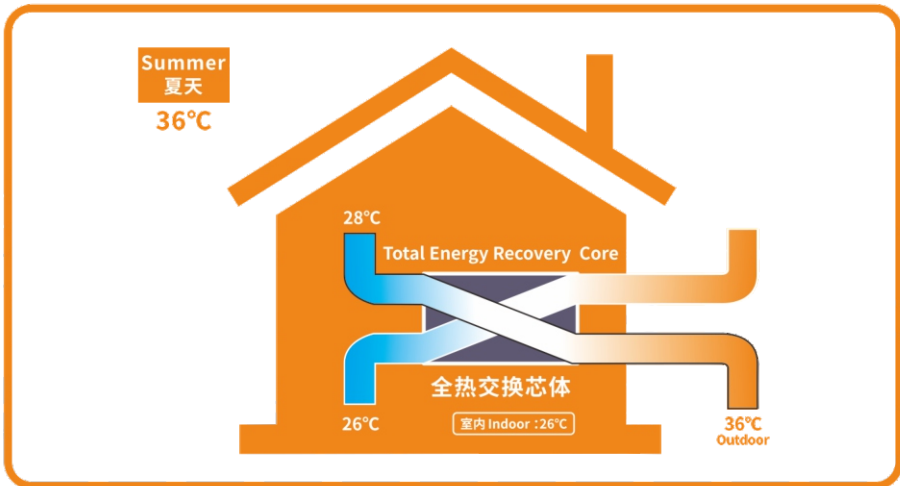
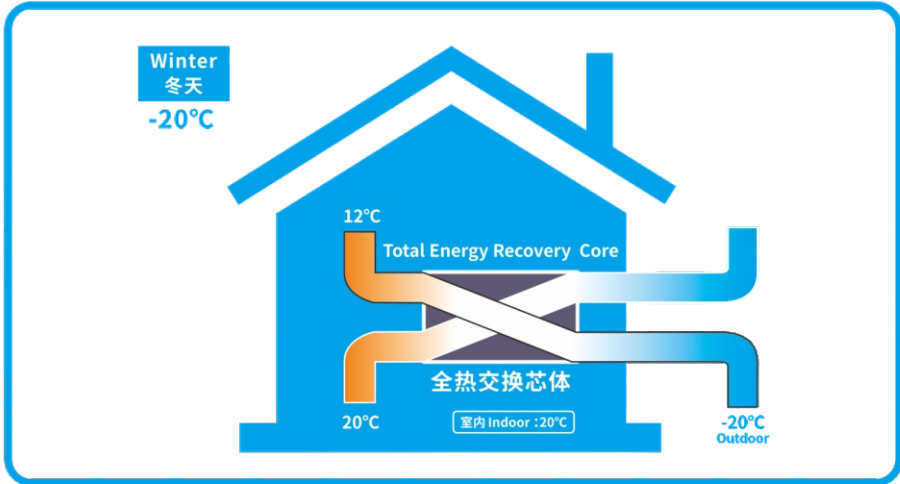
Stacking3 堆叠3



Stacking2 堆叠2



High Enthalpy Efficiency
高焓效率



■ Sensible Heat 显热

The high thermal conductivity of polymer membrane ensures the sensible heat recovery efficiency of the core.
高分子新风膜的高导热性保证了芯体的高显热回收率

■ Latent Heat 潜热

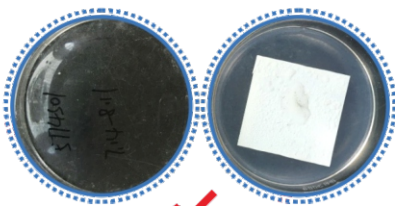
The hydrophilicity of the membrane and the high permeability of water molecules ensure the latent heat recovery efficiency of the core.
膜材的高亲水性及水分子的高通透性保证了芯体的高潜热回收效率



The membrane of core has special functional ions or groups, which give the core an efficient, long-term antibacterial effect.

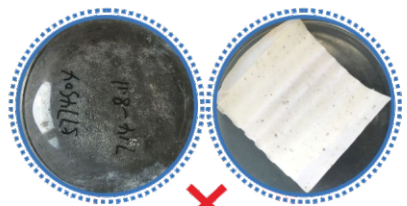
芯块的膜材具有某些特殊功能离子或基团,赋予了芯块具有高效、长期的抗菌抑菌功效。

	Paper Core 纸质芯块	Fortune-way Polymer membrane Total Heat Exchanger Core 福维高分子新风全热交换芯块
Anti-bacterial period 抗菌时效	short 短	≥10 years ≥10年
Anti-bacterial level 抗菌等级	-	≥99%
Anti-mold level 防霉等级	2-3	0-1



Fortune-way membrane
福维膜

PK



Corrugated paper
瓦楞纸

Air Tightness, Stability 气密性、稳定性

Air volume stability 风量稳定性

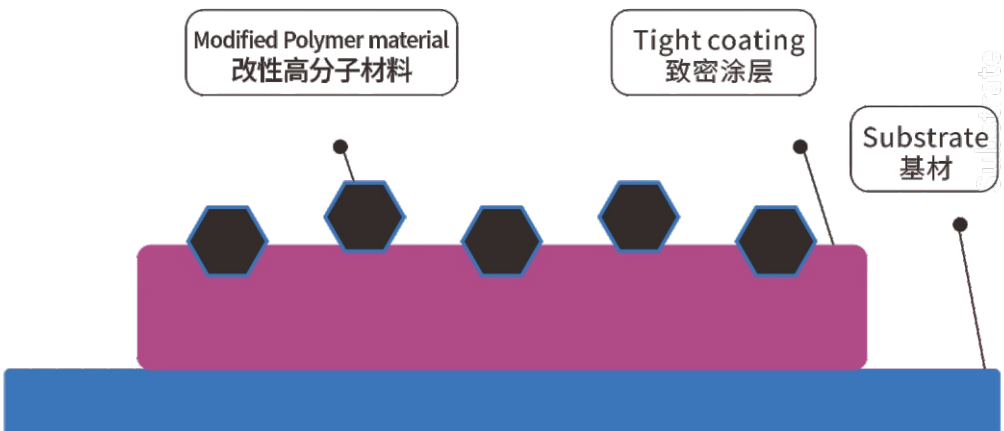
The core has high efficiency of moisture permeability and very low moisture absorption rate, so it has wide temperature adaptability ($-30^{\circ}\text{C}\sim 60^{\circ}\text{C}$) and good stability. Therefore, the fresh air equipment has stable air volume and low noise in the use process.

芯块具备高效率透湿性, 吸湿率极低, 故而温度适应性广 ($-30^{\circ}\text{C}\sim 60^{\circ}\text{C}$), 稳定性好。从而新风设备在使用过程中风量稳定, 噪音小。

Air tightness 气密性

The difference between polymer membrane core and paper core is that the polymer membrane higher has the characteristics of water permeability and airtight, and the air tightness is more than 98%, which is much higher than that of paper core products. The test data of polymer membrane have high repeatability and reproducibility.

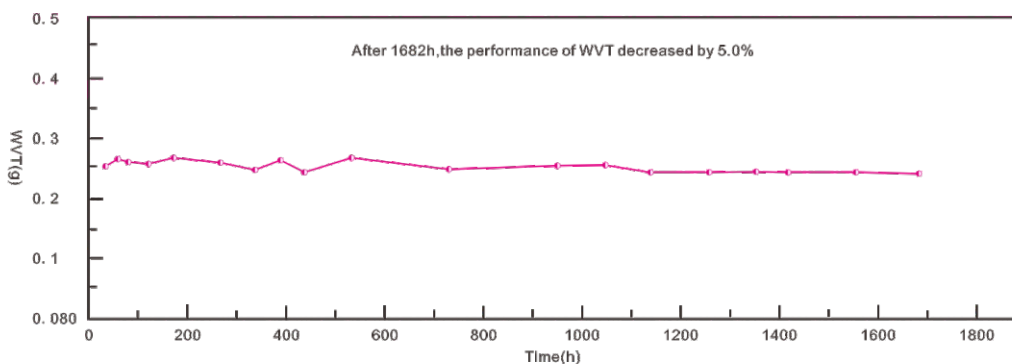
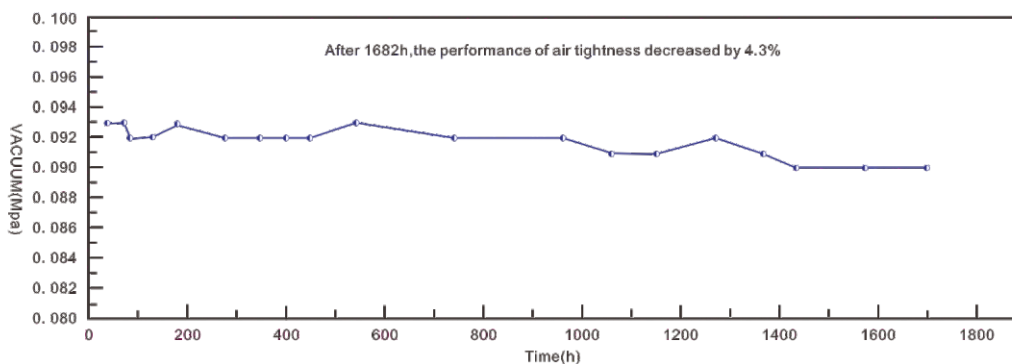
高分子膜材芯块不同于纸芯的是膜材具有透水不透气特点, 其气密性大于98%, 远高于纸芯类产品, 其测试数据具有很高的重复性和再现性。



Alternating Test, Low Temperature Without Frosting
交变测试、低温不结霜

Experienced high/ low-thermal shock for 200 times (1 cycle for 8 hours) under the temperature of -30~60°C and the humidity of 80%, there is no air leakage, deformation and other damages on the core. Stored under the temperature of -30 °C and 60 °C for 15 days respectively, there is no air leakage, deformation and other damages on the core. Because of its high permeability to water molecules, no condensation water will form on the surface of the membrane, and condensation & ice blockage will not occur under extreme conditions such as sub-zero temperature.

在温度为-30~60°C，湿度为80%的环境下，经高低温冲击200次（1个循环8小时），芯块无漏风、变形、破损等情况。-30°C低温存储15天，60°C高温存储15天，芯块无漏风、变形、破损等情况。由于膜材对水分子的高通透性能，膜材表面没有冷凝水形成，在零下温度等极端条件下不会产生结露、冰堵现象。

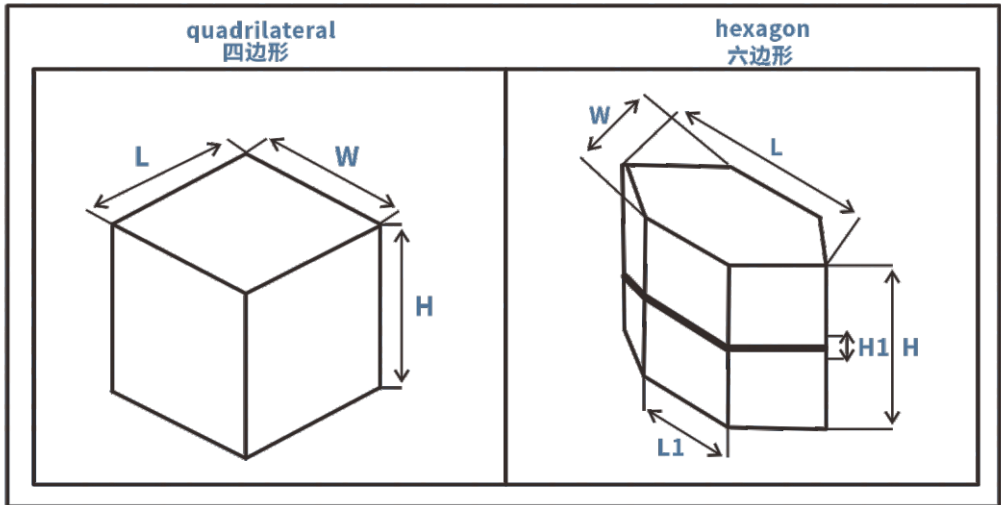


Washable
可水洗

Since the modified polymer materials is added to the functional membrane of our totalenergy recovery core, the surface friction coefficient is smaller, so the dust particleswill not adhere to the the surface of the membrane, which makes it no need to be cleanedfrequently. If it needs to be cleaned, you can use tap water to clean it simply. After dryingit, it can be used again (it can be washed several times).

福维全热交换芯块使用的功能膜材中加入了改性高分子材料,其表面摩擦系数更小,粉尘颗粒不会粘附在膜材表面,无需频繁清理。如需清理,可采用自来水简单清洗,晾干水分后即可再次使用((可多次水洗)。





Note: The dimension can be customized according to customer requirements
注: 芯块可根据客户尺寸需求定制

Model 型号	Dimensions (mm) 尺寸规格 (mm)	Flow Path Height (mm) 流道高度 (mm)	Shape 形状
FW-IS -366 x 196 x 366 x 2.5	366 x 196 x 366	2.5	hexagon 六边形
FW-IS -380 x 110 x 230 x 2.3	380 x 110 x 230	2.3	hexagon 六边形
FW-IS -400 x 200 x 200 x 2.35	400 x 200 x 200	2.35	hexagon 六边形
FW-IS -440 x 200 x 200 x 2.4	440 x 200 x 200	2.4	hexagon 六边形
FW-IS -440 x 200 x 200 x 2.5	440 x 200 x 200	2.5	hexagon 六边形
FW-IS -458 x 160 x 260 x 2.5	458 x 160 x 260	2.5	hexagon 六边形
FW-IS -128 x 128 x 2.3	128 x 128	2.3	quadrilateral 四边形
FW-IS -140 x 140 x 2.3	140 x 140	2.3	quadrilateral 四边形
FW-IS -250 x 250 x 2.5	250x250	2.5	quadrilateral 四边形
FW-IS -350 x 350 x 2.7	350x350	2.7	quadrilateral 四边形

Naming Rules
命名规则

FW/A-IS-L × L₁ × W × H₁-H

Core height 芯块高度

Flow path height 流道高度

Section dimension 芯块截面尺寸

Code of product type (IS: Injection Series, PP: Hollow Series)
芯块类型代码 (IS: 注塑片系列; PP: 中空板系列)

Code of membrane type
膜材类型代码

Company code (FortuneWay)
公司代码

Hollow Series
中空板系列

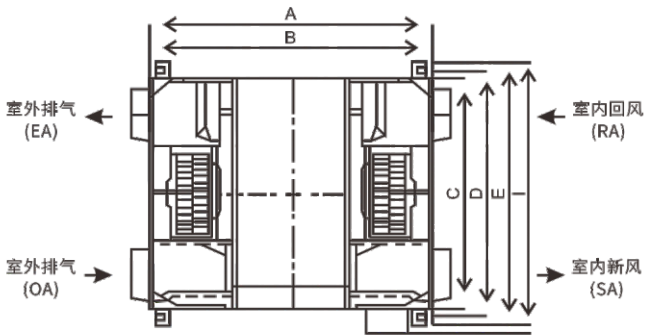
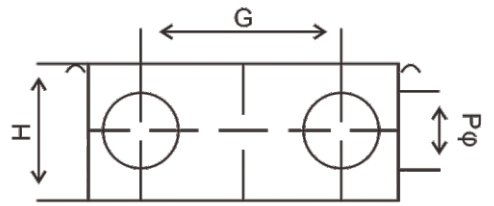
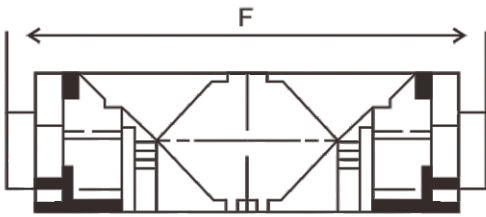
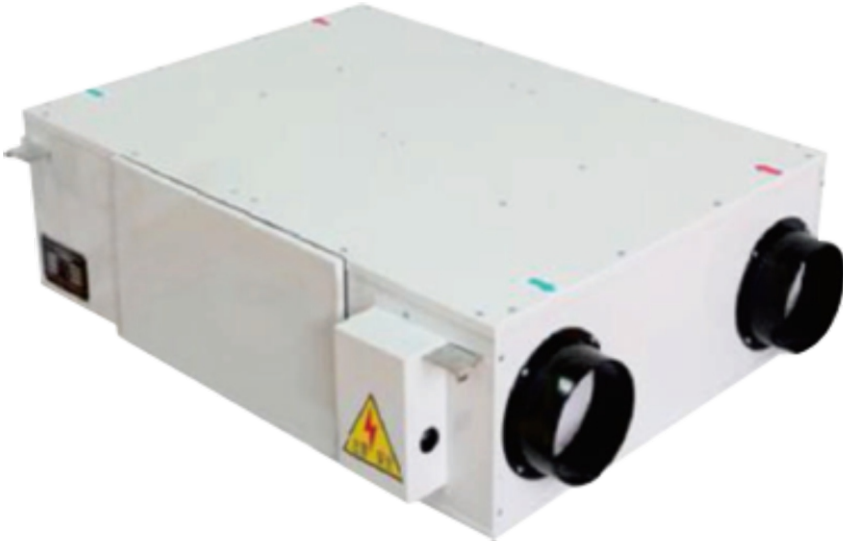
Note: The dimension can be customized according to customer requirements
注: 芯块可根据客户尺寸需求定制

Model 型号	Dimensions (mm) 尺寸规格 (mm)	Flow Path Height (mm) 流道高度 (mm)	Shape 形状
FW-PP-336x336x2.3/2.5	336 x 336	2.3/2.5	quadrilateral 四边形
FW-PP-250x250x2.5	250 x 250	2.5	quadrilateral 四边形
FW-PP-164x164x2.5	164 x 164	2.5	quadrilateral 四边形



Application Case
应用案例

Total Energy Recovery Project of Fresh Air in Passive House
FW-IS-440*200*200*2.4-550 250m³/h
被动房新风全热回收项目





体系认证

System Certification



ISO 9001



ISO 9001

ROHS

SVHC

DINP

Mechanical Strength





Zhongshan FORTUNE WAY Environmental Technology Co., Ltd.
中山市福维环境科技有限公司

电话/Tel:0760-89968980

地址/Address: 广东省中山市火炬开发区民园路7号A8栋一楼

F/1, Building A8, No.7 Minyuan Road, Hi-tech Development Zone, Zhongshan City, Guangdong Province