

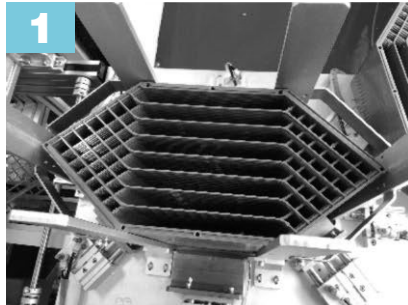
POLYMER MEMBRANE

**WASHABLE AIR TO AIR
HEAT EXCHANGER**



High-efficiency Fresh Air Solutions Provider

AUTOMATED ASSEMBLY LINE



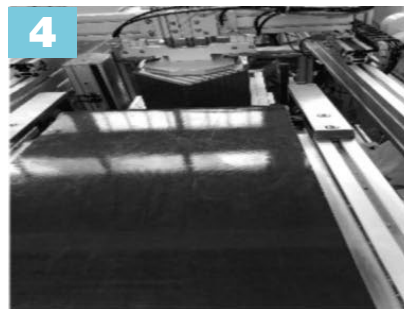
Material



Stacking 1



Stacking 2



Stacking 3

Installation of sheet metal



Finished product

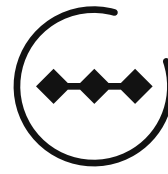
HIGHLIGHT FEATURE



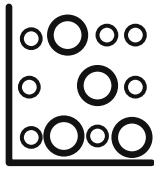
High strength



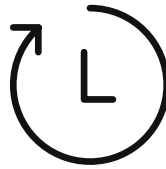
Anti-mold and Anti-bacterial



High stability



High air tightness



Longer service life



Washable

AIR TIGHTNESS & STABILITY

AIR VOLUME STABILITY

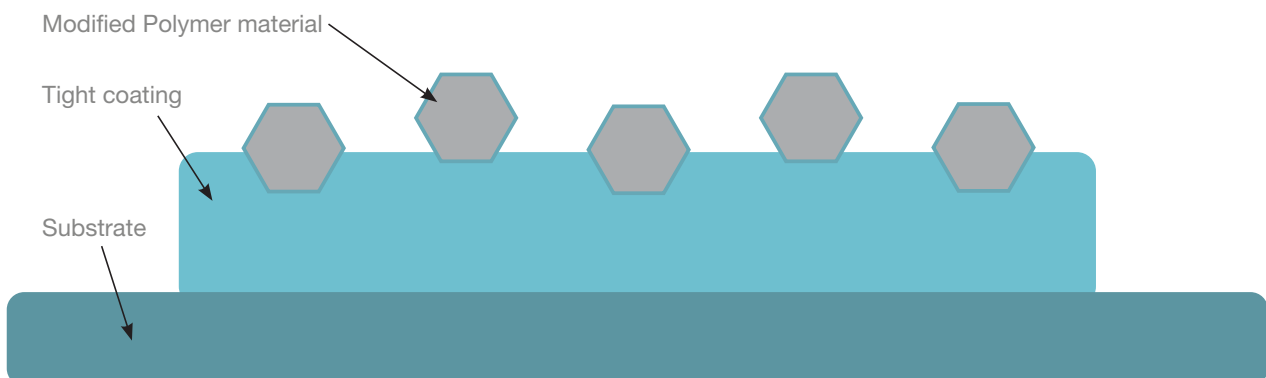
The core has high efficiency of moisture permeability and very low moisture absorption rate, so it has wide temperature adaptability (-30°~60°C) and good stability.

Therefore, the fresh air equipment has stable air volume and low noise in the use process.

AIR TIGHTNESS

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

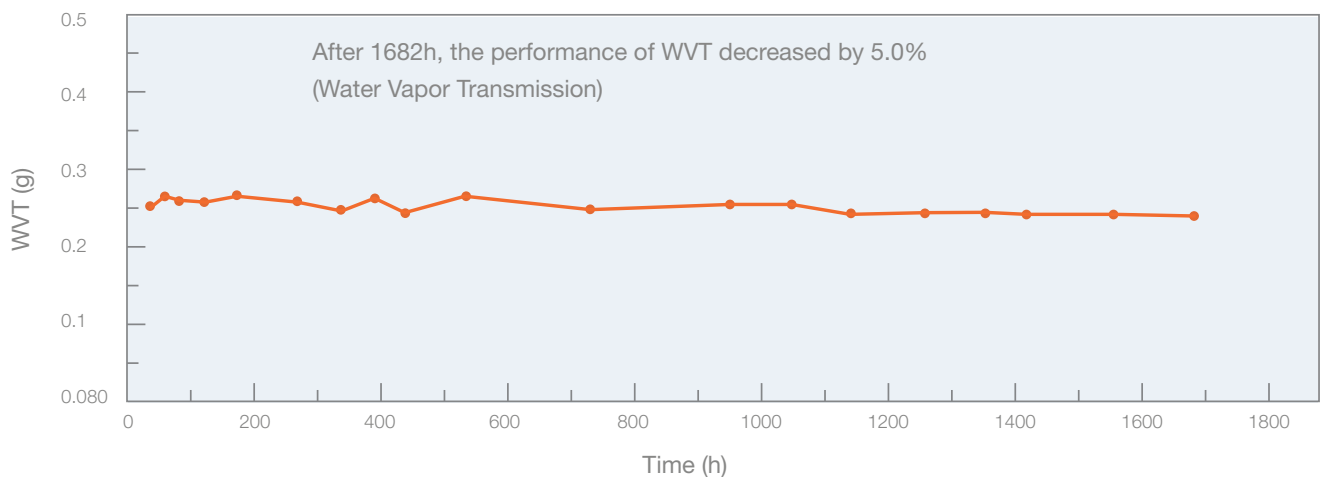
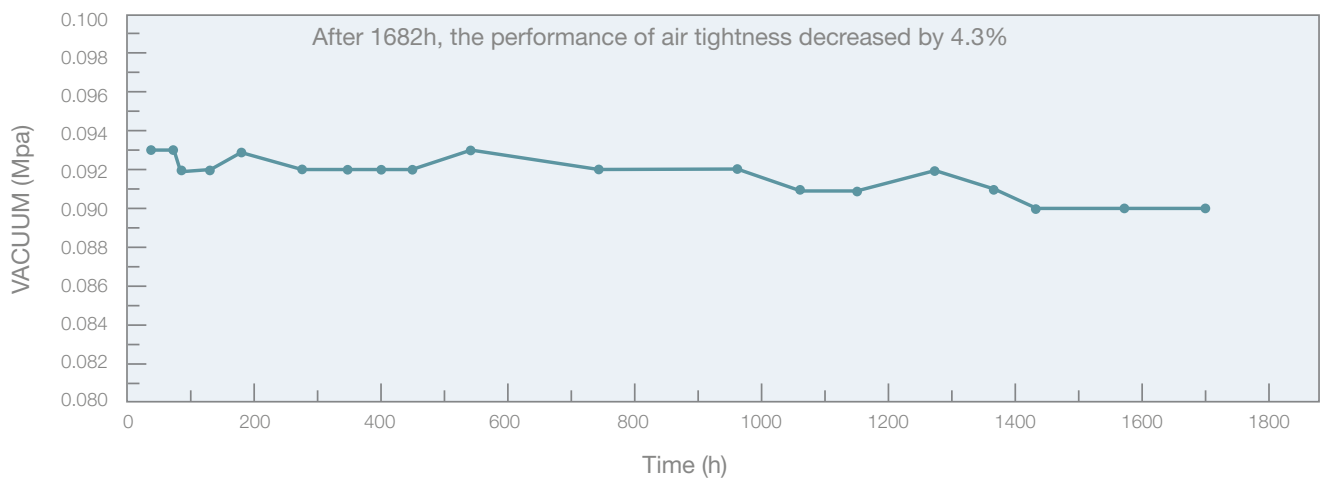
The test data result polymer membrane has a high repeatability and reproducibility.



ALTERNATING TEST, LOW TEMPERATURE WITHOUT FROSTING

Experienced high/ low-thermal shock for 200 times (1 cycle for 8 hours) under the temperature of $-30 \sim 60^{\circ}\text{C}$, and the humidity of 80%, there is no air leakage, deformation and other damages on the core.

Stored under the temperature of $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$ 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.



WASHABLE

Since the modified polymer materials is added to the functional membrane of the energy recovery core, the surface friction coefficient is smaller, so the dust particles will not adhere to the surface of the membrane, which makes it no need to be cleaned frequently.

If it needs to be cleaned, you can use tap water to clean it simply. After drying it, it can be used again (it can be washed several times).



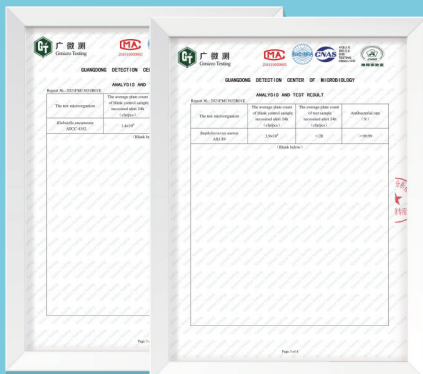
CERTIFICATIONS & TEST REPORTS



ROHS and REACH Certifications



Anti-bacterial and Anti-virus Test Report



Antimicrobial Test Report



UL94 Fire Retardant Test Report



Performance Test Report

CROSS-COUNTER FLOW

TOTAL HEAT EXCHANGER

- Sensible and latent heat recovery
- Total separation of fresh & exhaust air streams
- Heat recovery efficiency up to 90%
- Enthalpy recovery efficiency up to 85%
- Parameters to ensure high SEC class level
- Easy installation and handling



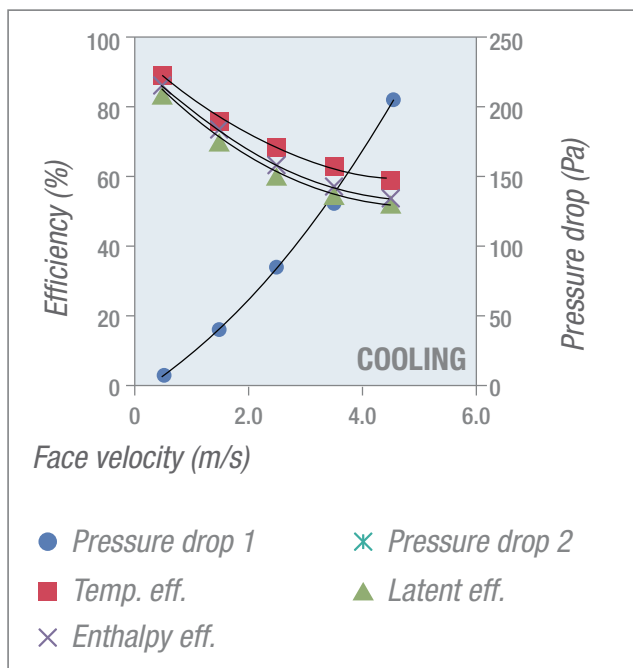
PERFORMANCE CHART

The performance chart is for AXT-LB series.

Tests are according to GB/T 21087.

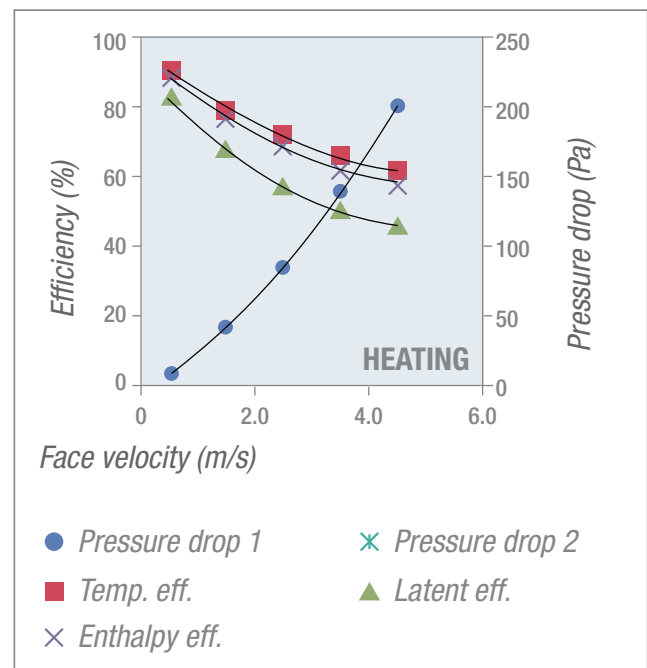
Cooling Conditions:

- Indoor DB 27°C/WB 19.5°C
- Outdoor DB 35°C/WB 28°C



Heating Conditions:

- Indoor DB 21°C/WB 13°C
- Outdoor DB 2°C/WB 1°C



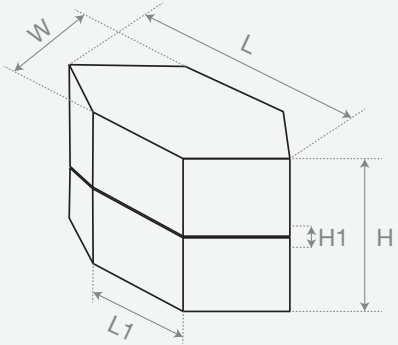
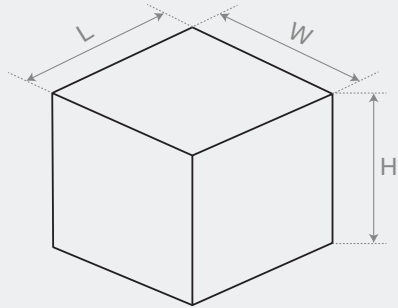
We can provide selection reports for the specified models.

HEAT EXCHANGER

INJECTION SERIES



DIMENSIONS

MODEL	DIMENSIONS (MM)	SPACING (MM)	TYPE
AXT-IL-252 / 90 / 218 - H* - 2.6	252.4*90.4*218	2.6	 <p>Cross-counter flow</p>
AXT-IL-258 / 131 / 200 - H- 2.3	258*131*200	2.3	
AXT-IL-326 / 100 / 226 - H- 2.5	326*100*226	2.5	
AXT-IL-357 / 137 / 170 - H- 2.5	357*137*170	2.5	
AXT-IL-366 / 196 / 366 - H- 2.5	366 * 196 * 366	2.5	
AXT-IL-380 /110 /230 - H- 2.3	380 * 110 * 230	2.3	
AXT-IL-400 /200 / 200 - H- 2.35	400 * 200 * 200	2.35	
AXT-IL-440 / 200 / 200 - H- 2.5	440 * 200 * 200	2.4	
AXT-IL-458 / 160 / 260 - H- 2.5	458 * 160 * 260	2.5	
AXT-IL-495 / 150 / 200 - H - 2.5	495 * 150 * 200	2.5	
AXT-IL-506 / 194 / 506 - H - 2.5	506 * 194 * 506	2.5	
AXT- IW -128 / 128 - H- 2.3	128 * 128	2.3	 <p>Cross flow</p>
AXT- IW -140 / 140 - H- 2.3	140 * 140	2.3	
AXT- IW - 164 / 164 - H- 2.6	164 * 164	2.6	
AXT- IW - 250 / 250 - H- 2.5	250*250	2.5	
AXT- IW - 350 / 350 - H- 2.7	350*350	2.7	
AXT- IW - 350 / 350 - H- 2.7	350*350	2	

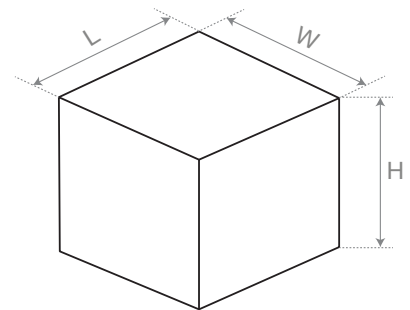
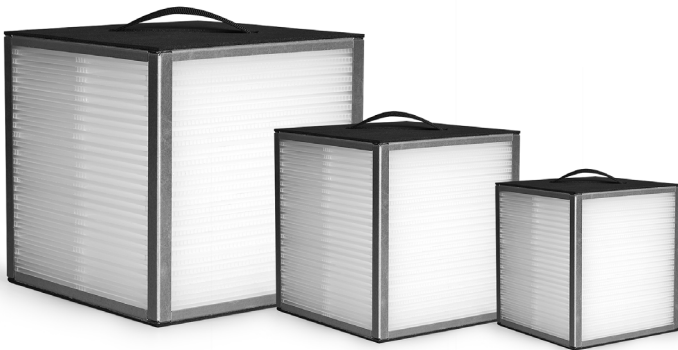
Note: H is customized.

(CUSTOMIZED)

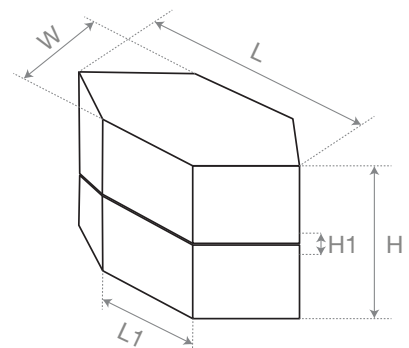
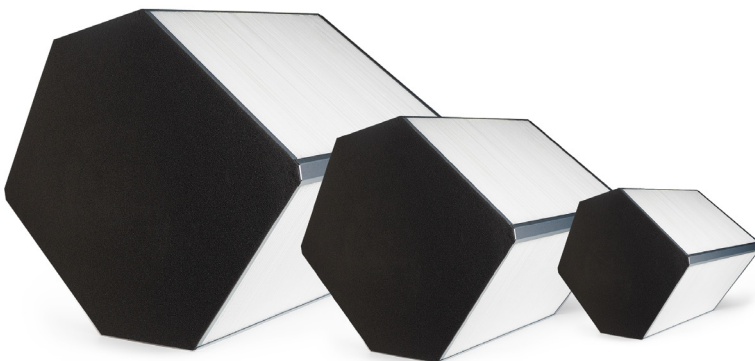
HOLLOW SERIES

Material of sensible/total heat exchanger: galvanized iron plate outer frame + PP heat exchange plate.

*PS: The dimensions can be customized according to specific requirements.



TYPE	SERIES NO.	L*W (MM)	H (MM)	SPACING(MM)	HEAT RECOVERY TYPE
Cross flow	AXS-HW/AXT-HW	No more than 1150*1150	No more than 1200	2.0/2.5/3.0/3.5/4.0/4.5	Sensible/Total heat type



TYPE	SERIES NO.	L*W (MM)	L1 (MM)	H (MM)	SPACING (MM)	HEAT RECOVERY TYPE
Cross counter flow	AXS-HL/AXT-HL	No more than 1150*1150	No more than 1000	No more than 1200	2.0/2.5/3.0/3.5/4.0/4.5	Total heat type



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