Sensible Plate Heat Exchanger

HOLTOP

in Features

- Sensible heat recovery
- Total separation of fresh air & exhaust air streams
- Heat recovery efficiency up to 80%
- 2-side press shaping
- Double folded edge
- Completely joint sealing.
- Resistance of pressure difference up to 2500Pa
- Under pressure of 700Pa, air leakage less than 0.6%

Material type

B series (standard type)

Heat exchanger is made of pure aluminum foils, with galvanized end cover and aluminium alloy wrap angle. Max. air temperature 100℃, it is suitable for most of the occasion.
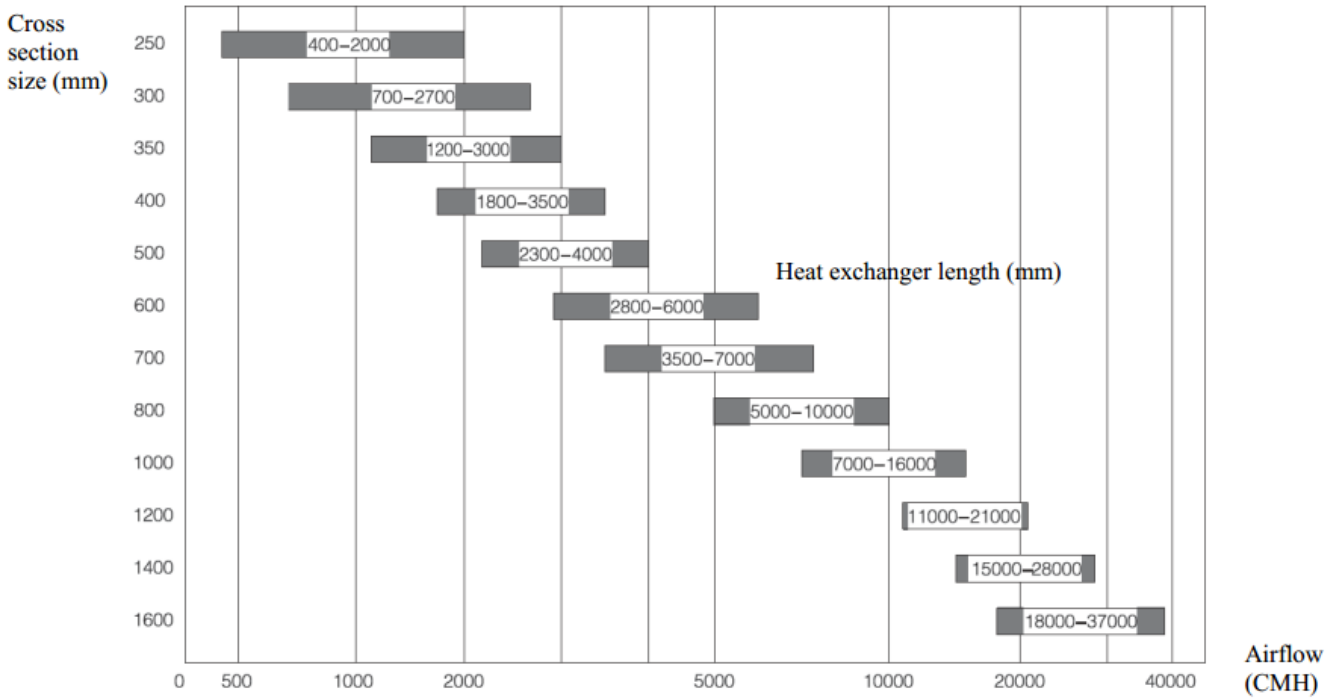
F series (Anti-corrosion type)

Heat exchanger is made of pure aluminum foils cover by special anti-corrosion material, with galvanized end cover and aluminium alloy wrap angle., it is suitable for the corrosive gas occasion.
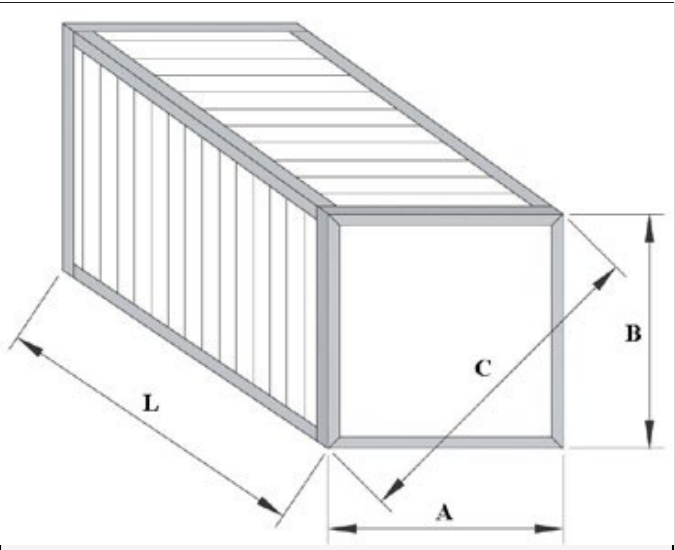
G series (high temperature type)

Heat exchanger is made of pure aluminum foils, with galvanized end cover and aluminium alloy wrap angle. Sealing material is special and allow the Max. air temperature to be 200℃, it is suitable for special high temperature occasion.

Aluminum foils thickness range from 0.12 to 0.18mm because of the different specification heat exchanger.

Heat exchanger size and air volume

Cross section size (mm) vs Airflow (CMH) — Heat exchanger length (mm)

Cross section size (mm)	Range
250	400–2000
300	700–2700
350	1200–3000
400	1800–3500
500	2300–4000
600	2800–6000
700	3500–7000
800	5000–10000
1000	7000–16000
1200	11000–21000
1400	15000–28000
1600	18000–37000

Remarks:① Length is customized, but should be within the specified range.② Size C is for reference, size can be slightly increased according toheat exchanger length.

Specifications

Model	A (mm)	B (mm)	C (mm)	Length per piece (L)	Optional spacing (mm)	Remarks
HBS-ZF250/250	250	250	356	<=400	4.0	One module
HBS-ZF300/300	300	300	427	<=400	4.0	
HBS-ZF300/300	300	300	427	<=500	5.0	
HBS-ZF350/350	350	350	498	<=400	4.0	
HBS-ZF350/350	350	350	498	<=500	5.0	
HBS-ZF350/350	350	350	498	<=550	6.0	
HBS-ZF400/400	400	400	568	<=400	4.0	
HBS-ZF400/400	400	400	568	<=500	5.0	
HBS-ZF400/400	400	400	568	<=550	6.0	
HBS-ZF500/500	500	500	710	<=550	6.0, 8.0, 10.0	

HBS-ZF600/600	600	600	851	<=550	6.0, 8.0, 10.0	
HBS-ZF700/700	700	700	993	<=550	8.0, 10.0	
HBS-ZF800/800	800	800	1134	<=550	8.0, 10.0	
HBS-ZF1000/1000	1000	1000	1417	<=500	6.0, 8.0, 10.0	Four modules combined
HBS-ZF1200/1200	1200	1200	1702	<=500	6.0, 8.0, 10.0	
HBS-ZF1400/1400	1400	1400	1985	<=500	8.0, 10.0	
HBS-ZF1600/1600	1600	1600	2265	<=500	8.0, 10.0	

Product link：https://www.holtop.net/product/14.html