Heat exchanger G6000A

Advantages:

Maintenance friendly

The air dust filters keep the exchangers clean on the insides and therefore only needs cleaning on the outside.

Equal pressure

Because the same amount of air is blown in as is extracted, a situation of “equal pressure” exists.

Energy savings

When the G6000A type is installed, extra efficiency can be achieved because the sun heats up the corrugated sheets so that the incoming air is even much warmer.

Example:

Outside:	17.1°C
House front:	29.4°C
House back:	29.4°C
Exhanger ingoing:	30.6°C
Exhanger outgoing:	31.5°C
Between roofs:	32.4°C

The Granovi heat exchanger has been developed to realise optimal air distribution in the house by installing multiple exchangers.
The exchanger is listed on the RAV list number BWL2010.13.V7 in NL and VLM-AEA P-6.4.2 in Belgium.
The outgoing air is free from fine dust: the rough filter retains the majority of dust and can be cleaned by installing a self-cleaning system.
The certified fine dust filter ensures that the aluminium prepaint exchanger remains clean which makes cleaning in between unnecessary.

The incoming air is blown to the front of the house, same holds for the RAV obliged circulation fans (20m³ per m² house area)

RAV list

Ammonia: 0,021 kg per broiler i.c.w. circulation fans
Fine dust reduction PM10:

- 50% - 1,45 m³ /broiler/hour
- 37% - 1,00 m³ /broiler/hour
- 31% - 0,75 m³ /broiler/hour
- 13% - 0,30 m³ /broiler/hour

VLM-AEA lijst P-6.4.2

Technical details:

Aluminum prepaint slats
Maximum capacity: 49 kW
Min and max. temperature -30˚C to 90˚C

Fans ingoing:

Cap. 6250 m³ at 350pa
0,75 kW 400v
2800 rpm
Eff.Clas.IE3
Ip56

Outgoing:

Cap.max: 6550 m³ at 350pa
1,1 kW 400v
2800 rpm
Eff.Clas.IE3
Ip55

Frame:

The frame and plating are completely made of stainless steel.
Condensation water is collected in the bottom tray where a water drain connection is installed.

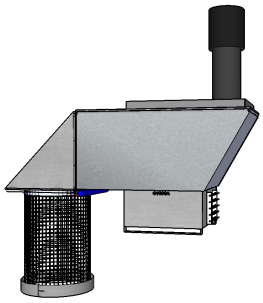
Efficiency RV 60%

Ingoing	**-10°C**		
Outgoing	27°C / 60%		
m³/h	*kW*	*Savings*	*m/s*
5.000	49	79%	1,7
3.000	30	81%	1
1.000	10	87%	0,3

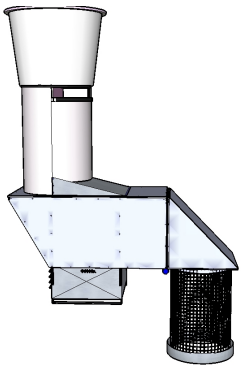
Ingoing	**0°C**		
Outgoing	27°C / 60%		
m³/h	*kW*	*Savings*	*m/s*
5.000	34	76%	1,7
3.000	21	79%	1
1.000	7	84%	0,3

Ingoing	**+10°C**		
Outgoing	27°C / 60%		
m³/h	*kW*	*Savings*	*m/s*
5.000	20	71%	1,7
3.000			
1.000	5	80%	0,3

G6000A



G6000B



2 types:

G6000A A - incoming air is drawn in between the corrugated iron sheets and the insulation

G6000B B - both the inlet and the outlet go through the roof

A self cleaning system can be installed on the rough filter which results in close to zero air pressure loss during the entire period.

The exchanger is listed on the RAV list for ammonia reduction: BWL2010.13.V7
The exchanger is listed on the RAV list for fine dust reduction: BWL2021.01 (Variant C)