



**TULDERHOF**  
a g r o s y s t e m s



The 4-Seasons air inlet is robust, simple and reliable and serving Tulderhof already for more the 20 years.

The frame is constructed out of the highest quality plywood. The valve has a fixed hinge point and is very well insulated with 15 mm insulation foam. This foam also ensures a proper closing at the edges. Therefore the 4-Seasons air inlet is absolutely draught free.

The air flow is as following: when the valve opens, the air can only pass above. This way it steers quit straight into the house. After 10 to 15% the valve opens underneath as well. The air is then deflected downwards, creating a nice rolling effect is.



## 4-Seasons Air inlet

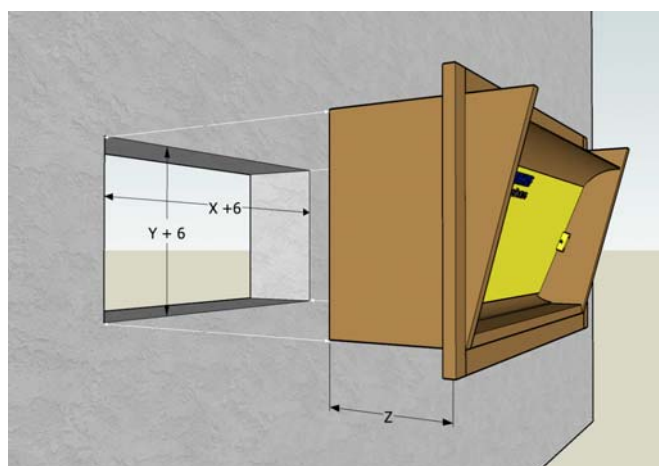
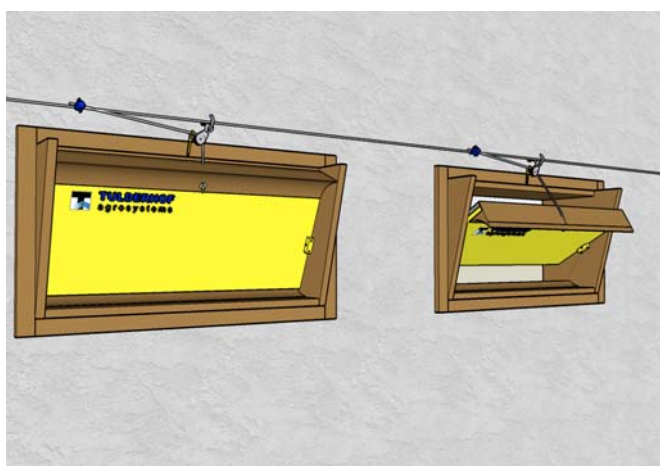
- ▶ **Robust**
- ▶ **Simple**
- ▶ **Reliable**
- ▶ **Insulated**
- ▶ **Nice airflow**

# Technical information 4-Seasons valve

## Air inlet information

4-Seasons			
Type	4S - 3000	4S - 4000	4S - 5000
10 Pa - m <sup>3</sup> /h	2.100	2.800	3.600
20 Pa - m <sup>3</sup> /h	3.000	4.000	5.000
30 Pa - m <sup>3</sup> /h	3.700	4.900	6.200
Surface - cm <sup>2</sup>	1.410	1.860	2.370
Width - mm (X)	600	700	800
Height - mm (Y)	330	360	390
Depth - mm (Z)	150	170	170

NB: We can produce many other sizes, call us!



The hole in the wall should me 6 mm bigger.

Inlet per animal	m <sup>3</sup> /h	cm <sup>2</sup> at 10 Pa	cm <sup>2</sup> at 20 Pa
Species			
Broilers	8-11	5,5 - 8,0	4,0 - 5,5
Breeder broilers	14	9,8	7,0
Layers	7	4,9	3,5
Rearing layers	5,5	3,8	2,8

To calculate the total net. surface of the valves we use the following calculations:

At an under pressure of 10 Pa you should multiply tot total amount of m<sup>3</sup>/h by 0,7 to get

At an under pressure of 20 Pa you should multiply tot total amount of m<sup>3</sup>/h by 0,5 to get



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