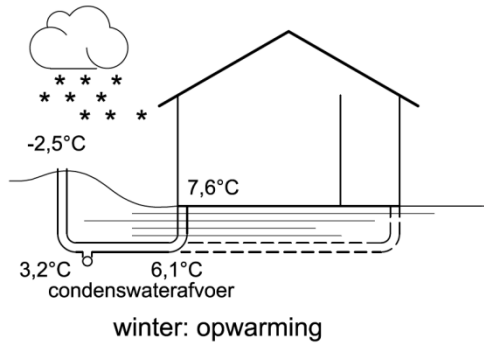
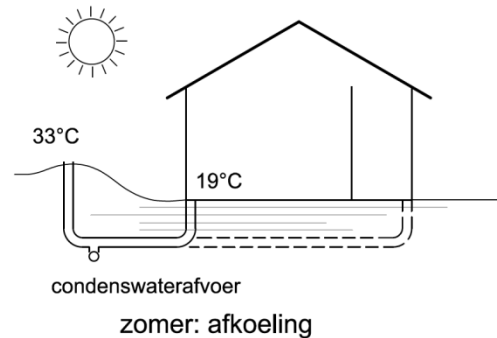


Ground pipe ventilation



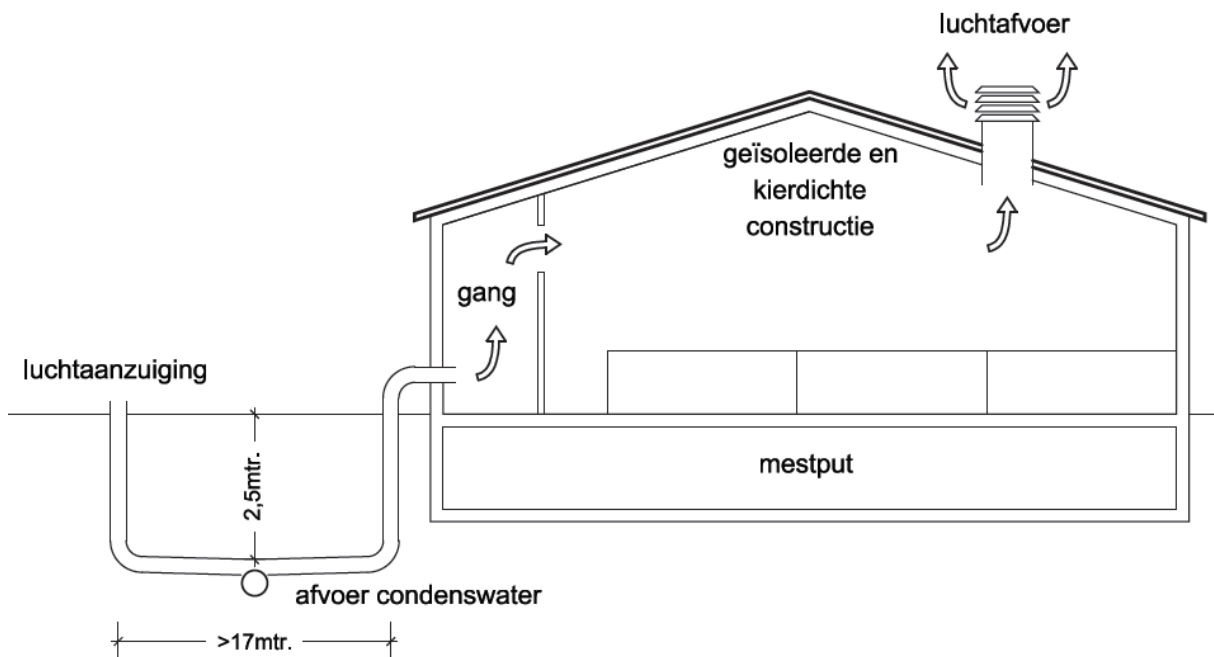
winter: opwarming

Drawing 1a: In winter the air is heated in the pipes



zomer: afkoeling

Drawing 1b: In summer the air is cooled down



Drawing 2: Airflow at ground pipe ventilation

	Per farrowing sow pen	Per fatterer place	Per pregnant sow
Amount of ventilation in summer	200m ³ /hour	60m ³ /hour	125m ³ /hour
Number of ventilation pipe	1	0,4	0,8
Temperature of the ventilation air in summer by use of ground pipe ventilation	Max. 20°C	Max. 20°C	Max. 20°C
Reduction of the temperature of the ventilation air in summer	Tot 14°C	Tot 14°C	Tot 14°C
Price per animal place excl. labor (estimation)	€ 100,-	€40,-	€80,-

Post > Postbus 206
 AE 's-Heerenberg
 Office > Ambachtstraat 3
 7041 GC 's-Heerenberg

Tel. > +31 (0)314 66 77 73
 Fax > +31 (0)314 66 78 86
 E-mail > info@jovas.nl
 Website > www.jovas.nl

Ground pipe ventilation has a lot of benefits:

- Energy costs go down strongly
- The soiling of the pens and the emission of ammonia are reduced
- It creates a more stable climate in the stable (there is no difference in day or night temperature of the incoming air)
- There are no influences of the wind
- Higher production and reproduction results
- No relapse in performance in warm periods
- Less heat stress
- Higher feed intake in the summer
- Lower maximum ventilation and a higher minimum ventilation



Post > Postbus 206
AE 's-Heerenberg
Office > Ambachtstraat 3
7041 GC 's-Heerenberg

Tel. > +31 (0)314 66 77 73
Fax > +31 (0)314 66 78 86
E-mail > info@jovas.nl
Website > www.jovas.nl