



AQC AIR FLOW RATE CONTROL

We recommend using an air entry cone to ensure the optimum functioning of the Stienen SGS fan and exhaust chimney.

The air entry cone reduces air inflow resistance by 20% or more. This can be combined with the Stienen AQC measuring and control unit to regulate the air flow rate very accurately. This is because the diameter of the AQC exactly matches the diameter of the exhaust chimney.



STIENEN AGRI AUTOMATION

Stienen is a leading family company (1977) which has its roots in livestock farming. It is in our nature to be very close to our end users. We are a global supplier of innovative automation solutions for poultry and pig houses. Our climate solutions, automation systems, management software and the accompanying peripheral equipment are all developed and produced in-house.

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STIENEN 

COMPACT

VENTILATION CHIMNEYS

For modern farming

- Made entirely of HDPE, both single walled and double walled
- UV-resistant
- Can be fitted on AQC measuring and control units and SGS fans without the use of coupling rings
- Complete product line
- 80% reduction of transport volume due to compact design
- Easy click-system assembly
- Easy to clean



Chimney-L-EN25060

STIENEN 

COMPACT VENTILATION CHIMNEYS

Stienen supplies smart, compact ventilation chimneys for air intake and exhaust. The ventilation chimneys seamlessly fit the AQC measuring and control units and SGS fans. When assembled together into one system, they are sturdy and they can be installed quickly.

To save on transport costs, the chimneys are supplied with a coupling strip. This enables them to be assembled at the project site.

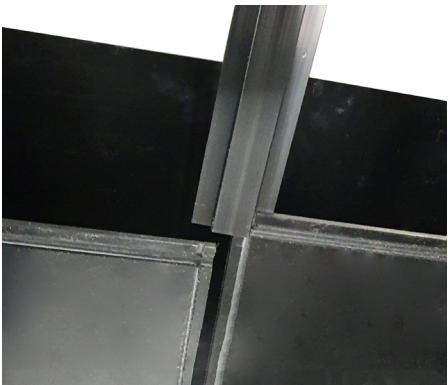
To prevent condensation, this ventilation chimney is also suitable for double-walled application. The sturdy double-walled structure with an 8mm air cavity between the inner and outer walls ensures an insulation value of 2W/m²K.

AIR SUPPLY CHIMNEYS

If the use of air inlet valves is virtually impossible or if you want to ventilate on the basis of equal pressure, the air can be brought in by applying a partial vacuum or by using an intake fan.

The air supply chimney features a unique air distribution unit made up of stainless steel fins. They can be positioned in the direction required in order to easily avoid any obstacles such as purlins. The built-in recirculation section ensures that hot air in the house is mixed with the incoming fresh outside air. The insulated upper section of the chimney and the stationary air layer of 8 mm between the inner and outer walls prevent the air from condensing in the chimney. The backdraught shutter determines the recirculation air-to-outside air ratio.

SIMPLE SYSTEM



Met een aluminium verbindingsprofiel worden de uiteinden van de buiswanden in elkaar geklikt.

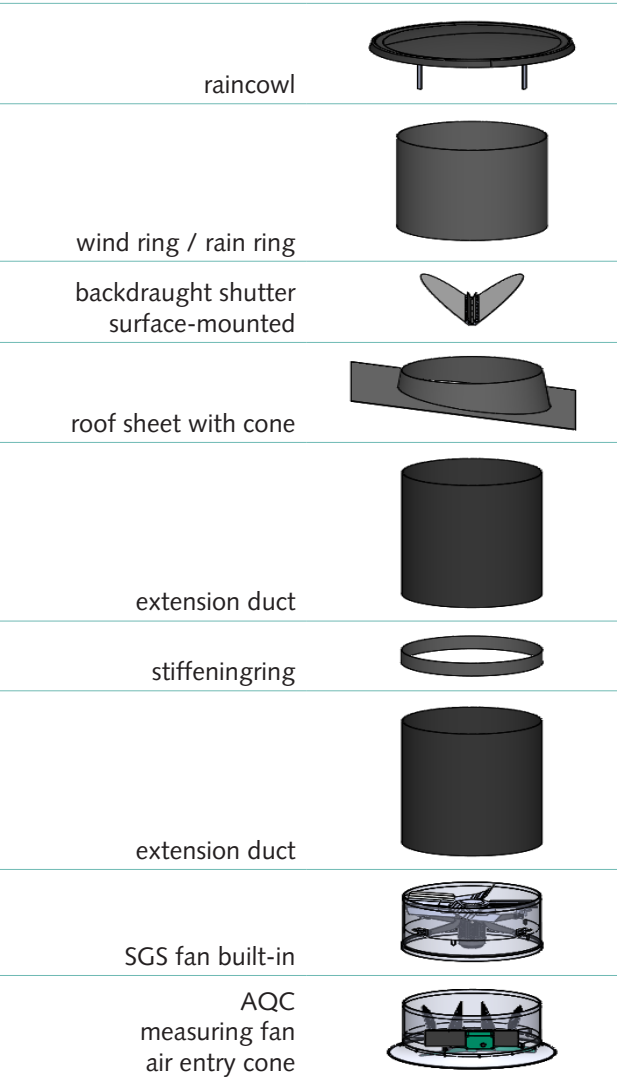


Het profiel zorg ervoor dat de uiteinden recht tegenover elkaar komen.



Bij dubbelwandige kokers worden beide wanden aan elkaar bevestigd met een rubberprofiel.

EXAMPLE HDPE EXHAUST CHIMNEY



VERSIONS CHIMNEY

Ø Chimney(mm)	AIR INTAKE CHIMNEY	AIR SUPPLY CHIMNEY	Ø AQC (mm)	AIR EXHAUST CHIMNEY
	capacity (m³/h) measured at 20 Pa	capacity (m³/h) combined with SGS fan measured at 50 Pa		capacity AQC (m³/h) compatible with exhaust chimney, measured at an air speed of approx. 7 m/s
320	1.400	×	300	1.700
370	2.000	×	350	2.400
420	2.600	×	400	3.100
470	3.200	×	450	4.000
520	3.900	×	500	5.000
580	4.900	×	560	6.200
645	6.100	10.000	630	7.600
730	7.800	13.000	710	10.000
820	9.800	22.400	820	12.800
920	12.400	25.500	920	16.500

Available as HDPE compact, HDPE welded, PUR 40mm with fibre glass coating and 25mm PUR Optimavent.

ACCESSORIES (optional)



These accessories are available for all chimney sizes listed: