



Good ventilation in pig and poultry houses is essential for both animal health and livestock efficiency.

On our website [www.stienen.com](http://www.stienen.com) you will find more information about our different ventilation solutions.



## 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** 

AQC

# AIR CONTROL UNIT



Your ventilation  
accurately measured and controlled

- Reliable control, even at low air speeds
- Stienen's labyrinth principle protects rotating parts against dirt and moisture
- Easy to install: 'plug and control'
- Provided with a double or quadruple control flap
- Accurate one-piece measuring fan
- Minimum capacity loss thanks to the aerodynamic design



**STIENEN** 





## Accurate ventilation control

The excellent aerodynamic properties of the AQC measuring fan and control flap enable highly reliable ventilation control.

The AQC measuring fan and control flap is available in double or quadruple.

## AQC RELIABLE VENTILATION

In combination with a Stienen climate computer, the AQC can be used as a measuring and control unit in a central exhaust system or under the extraction fan in a ventilation chimney. The AQC measuring and control unit enables the ventilation to be controlled starting from 0,4 m/s.

As standard, the AQC is supplied with a unique connector, guaranteeing trouble-free installation. Furthermore, the measuring fan has an ingenious labyrinth seal, protecting the rotating parts from dust and dirt.

This guarantees a long service life.

## VAR UNIVERSAL MOUNTING RING

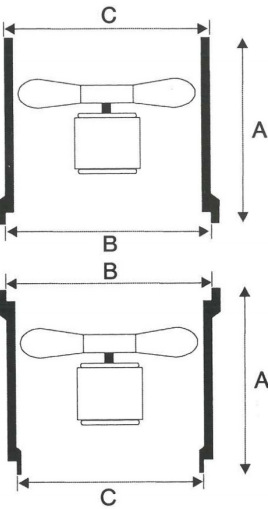
Stienen delivers a universal ring to mount the fan above the AQC measuring and control unit.

This ring has more attachment points\* for the most common fans and is available in various versions.



TYPE	A	B	C
VAR-35	285	371	345
VAR-40	285	421	395
VAR-45	285	474	445
VAR-50	285	522	492
VAR-56	380	582	564
VAR-63	380	656	627
VAR-71*	430	731	729
VAR-82*	430	820	816
VAR-92*	430	932	929

\* Types VAR 71 thru 92 are not factory-equipped with fan fixing points.



## SPECIFICATIONS AQC

### GENERAL

Ventilation capacity controllable from	0,4 m/s
Connection cable (1,5m) with a moulded 5 pole connector	
Double or quadruple control flap	
Available in 10 different dimensions	
Suited as measuring and control unit in a central exhaust system	
Suited as measuring and control unit under exhaust fans	
AQC-30G thru AQC-63G: double control flap	
AQC-71G thru AQC-92G: quadruple control flap	

### MEASURING UNIT

Min. ambient temperature	-5 °C
Max. ambient temperature	40 °C
Connection load	12 tot 24Vdc
Power consumption	0,2W/24Vdc
Number of pulses per revolution	6

### SERVOMOTOR

Supply voltage	24Vdc
Power consumption	1W/24Vdc-2VA/24Vac
Control signal	10-2Vdc

TYPE	A	B	C	D	E	F	G	MIN. VENTILATION
AQC-30G	304	290	405	225	50	80	60	95m <sup>3</sup> /h
AQC-35G	358	290	457	225	50	80	60	134m <sup>3</sup> /h
AQC-40G	410	290	513	225	50	80	60	175m <sup>3</sup> /h
AQC-45G	458	325	576	225	60	80	60	220m <sup>3</sup> /h
AQC-50G	505	330	624	225	60	80	60	280m <sup>3</sup> /h
AQC-56G	575	340	698	225	60	80	60	350m <sup>3</sup> /h
AQC-63G	637	340	764	225	60	80	60	435m <sup>3</sup> /h
AQC-71G	730	412	872	185	165	95	20	565m <sup>3</sup> /h
AQC-82G	818	412	1000	185	165	95	20	730m <sup>3</sup> /h
AQC-92G	931	412	1115	185	165	95	20	940m <sup>3</sup> /h

