

## AQC

Air control unit for accurately measuring and controlling room ventilation

- 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



## AQC

for accurate and reliable ventilation control

The excellent aerodynamic properties of the AQC measuring fan and control flap (double or quadruple) enable highly reliable ventilation control. 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

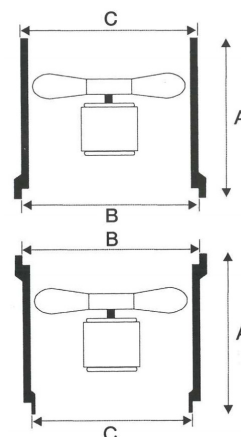
universal mounting ring for fans

Stienen BE 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.



## Technical specifications

### 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

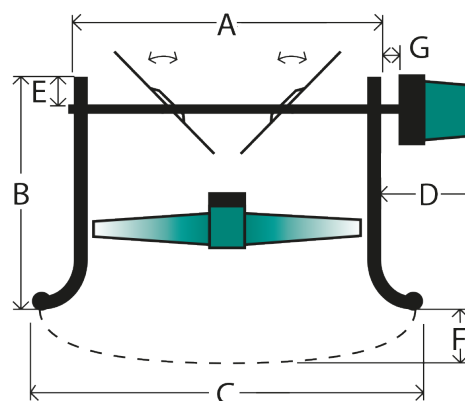
Min. ambient temperature	-5 °C
Max. ambient temperature	40 °C
Connection load	12 to 24Vdc
Power consumption	0,2W/24Vdc
Number of pulses per revolution	6

### Servomotor

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

## Dimensions and minimum ventilation

Type	A	B	C	D	E	F	G	Min. ventilation
AQC-30G	304	290	405	225	50	80	60	95m³/h
AQC-35G	358	290	457	225	50	80	60	134m³/h
AQC-40G	410	290	513	225	50	80	60	175m³/h
AQC-45G	458	325	576	225	60	80	60	220m³/h
AQC-50G	505	330	624	225	60	80	60	280m³/h
AQC-56G	575	340	698	225	60	80	60	350m³/h
AQC-63G	637	340	764	225	60	80	60	435m³/h
AQC-71G	730	412	872	185	165	95	20	565m³/h
AQC-82G	818	412	1000	185	165	95	20	730m³/h
AQC-92G	931	412	1115	185	165	95	20	940m³/h



## Stienen BE, Agri Automation

Stienen BE 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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