

SPROCK AGRARSYSTEME

everything from one source

Air control unit



Air control unit

Accurately measuring and controlling room ventilation

The Air control unit guarantees accurate and reliable ventilation control

The excellent aerodynamic properties of the measuring fan and the control flap (double or quadruple) of the AQC enable highly reliable ventilation control. In combination with a Sprock climate computer, the AQC can be used as a measuring and control unit in a central exhaust system and as a measuring and damper unit under ventilation sockets. This unit enables the ventilation capacity to be controlled starting from 0.4 m/s. As standard, the AQC is supplied with a unique connector, guaranteeing trouble-free installation. The measuring fan has an ingenious labyrinth seal, protecting the rotating parts from dust and dirt. This guarantees a long service life.



General

- ventilation capacity can be controlled from 0.4 m/s
- connection cable with a moulded 5-pole connector (1.5 m long)
- double or quadruple control flap
- available in 10 different dimensions
- ideally suited as an air control unit in a central exhaust system
- ideally suited as a control and damper unit under exhaust fans

Measuring unit

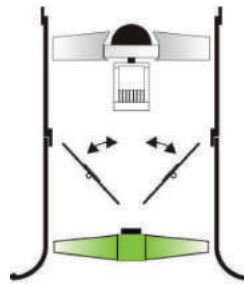
- min. ambient temp.: -5°C
- max. ambient temp.: 40°C
- 12 to 24Vdc supply voltage
- 0.2W/24Vdc load
- 6 pulses/revolution

Servomotor

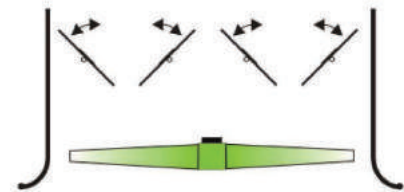
- 24Vdc supply voltage
- 1W/24Vdc-2VA/24Vac load
- 10-2Vdc control signal



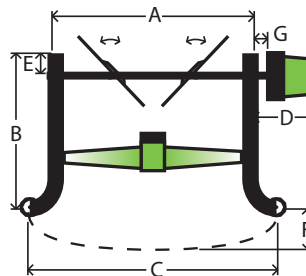
AQC-G	MINIMUM
AQC-30G	95 m ³ /h
AQC-35G	134 m ³ /h
AQC-40G	175 m ³ /h
AQC-45G	220 m ³ /h
AQC-50G	280 m ³ /h
AQC-56G	350 m ³ /h
AQC-63G	435 m ³ /h
AQC-71G	565 m ³ /h
AQC-82G	730 m ³ /h
AQC-92G	940 m ³ /h



Can be used as a control and damper unit under exhaust fans



AQC types 71 + 82 + 92 have quadruple control flaps



Typ	A	B	C	D	E	F	G
AQC-30G	304	290	405	225	50	80	60
AQC-35G	354	290	457	225	50	80	60
AQC-40G	405	290	513	225	50	80	60
AQC-45G	455	325	576	225	60	80	60
AQC-50G	505	330	624	225	60	80	60
AQC-56G	572	340	698	225	60	80	60
AQC-63G	638	340	764	225	60	80	60
AQC-71G*	729	412	872	185	165	95	20
AQC-82G*	818	412	1000	185	165	80	20
AQC-92G*	930	412	1150	185	165	80	20

* When closed, approx. 1.5% of the total area is left open.

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