

AERZEN CONTROL UNIT FOR BLOWER PACKAGES

State-of-the-art technology in monitoring and controlling the Aerzen blower:

- operator interface and electronic controller combined into a single unit
- easy-to-read digital display for status and alarm
- simple integration into the plant's control through Profibus communication protocol platforms

Series ASG 200



AERZEN

AERZENER MASCHINENFABRIK
GMBH

ASG-200 | 00 | EN

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Basic functions and standard features:

- Unit can be used as complete control combined with additional power circuit (optional) or as display- and monitoring device
- Degree of protection IP 65 (front), IP 20 (back)
- Control voltage for the controller can be 24 VDC or 110, 220-240, 380, 460 VAC 50-60Hz
- Control voltage for the outputs may be different from ASG 200 control voltage
- Control voltage (internal) for the digital inputs: 24 VUC (external: 110 VAC optional)
- Digital outputs for shutdowns, line contactor, star- and delta contactors, relief valve, heater, alarm and remote control
- Operating-hour meter
- Single, dry contact for alarm and shut down signal
- Transmitter connection: conform to EMV-stipulations
- Monitoring of measuring circuits
- Digital display of discharge temperature and oil temperature
- Digital display of discharge and intake pressure
- PTC temperature measurement
- Selector function: Local-/ remote operation
- Symbolic signals: operation, alarm and shutdowns
- Password protection
- Automatic restart upon power failure
- Protection against immediate restarting

Extended functions available in the standard control system:

- Service- and maintenance reminder
- Operation with frequency converter
- Time delay function of alarm signals
- Time delay function of shutdown signals
- Built in weekly operation schedule in local mode
- Memory of alarms and shut downs with date and time
- Selection between BAR / PSI and °C / °F
- Counter to limit number of starts per hour of the main motor

Optional functions:

- Operating RPM display up to 12.000 rpm (requires an optional speed transmitter)
- Monitoring of the V-belt drive
- Discharge pressure control with PID-controller (4...20 mA or 0...10 V)
- Machinery condition monitoring device that is linked to the ASG 200 controller inputs
- Temperature control for preheating the blower (acoustic hood temperature or oil temperature)
- Profibus DP communication protocol via RS 485 interface for instance in conjunction with a Siemens Siematic S7 300 controller (option: price adder)



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