



Sanitaire[®] Blower Group Controller

OPTIMIZE OPERATIONAL EFFICIENCY WITH PLUG-AND-PLAY AERATION BLOWER CONTROL



SANITAIRE
a xylem brand

The Sanitaire Blower Group Controller (BGC) provides automatic control for multiple Sanitaire TurboMAX or TurboLIGHT blowers.



Up to 15% energy savings

Designed by the aeration experts at Xylem, the Sanitaire BGC optimizes the efficiency of a group of blowers by selecting the most efficient operating configuration to achieve necessary air volume.

Expert control algorithm

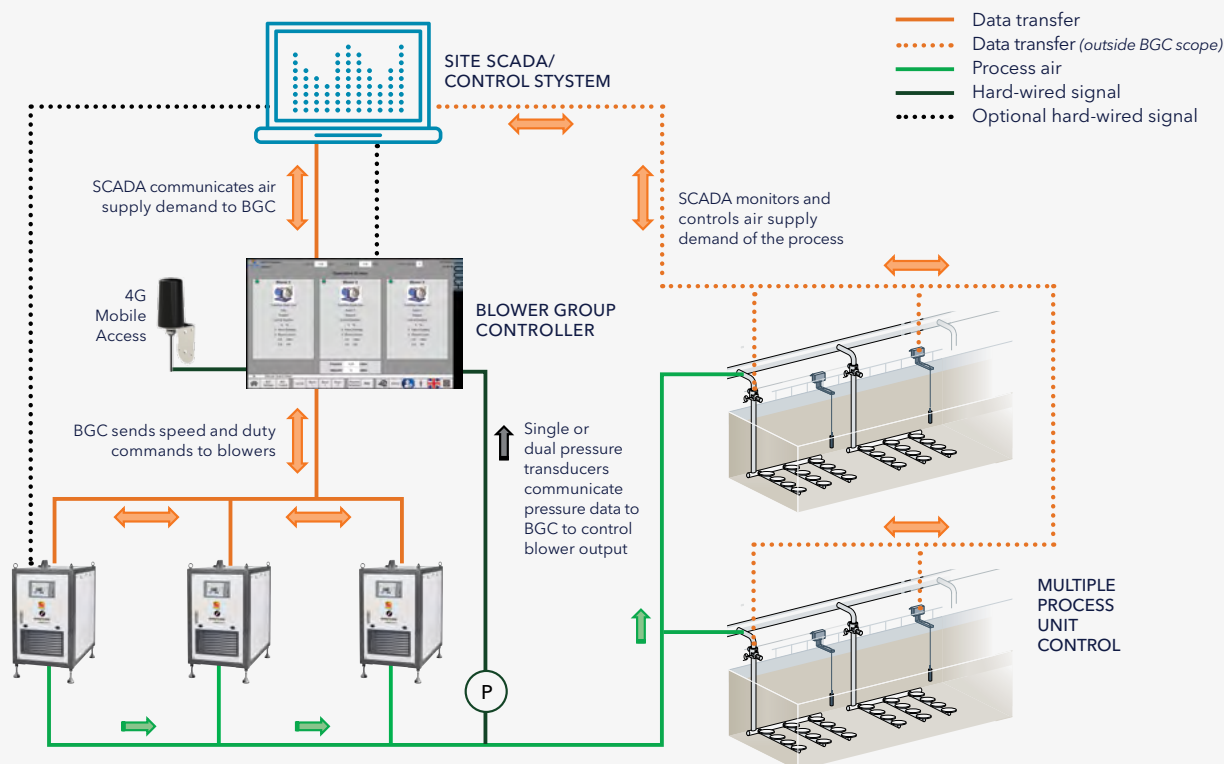
The Sanitaire BGC uses an advanced control algorithm to manage duty, assist, and standby blowers based on defined air pressure or dissolved oxygen setpoints.

By equalizing blower speeds and rotating blower duty based on total hours run and number of starts, the Sanitaire BGC not only improves blower efficiency but also extends blower life and reliability.

Simple installation and integration

Commissioned on-site by Sanitaire engineers, the Sanitaire BGC provides simple installation and integration with plant SCADA systems.

The BGC includes a door-mounted HMI touchscreen to monitor system status and tune transition setpoints to accommodate process changes over time. It also provides a single point of access for SCADA connectivity to all blower data, including discharge pressure and temperature, flow rate and temperature, filter pressure drop, and more.



Technical data

Installation Location	Indoor; wall mounted	Process Instrumentation	Single or dual instrument configuration Dual configuration for average value or duty/standby operation
Power Supply	220/230 VAC, 50 Hz, single phase, with surge protection	Alarms	Hard Wired - Blower Group Controller Alarm - Blower Group Controller Communications Alarm Via SCADA Comms - Blower warning - Blower fault - Blower not in flow control - Blower failed to start/stop - Air main high/low pressure alarms - Process high/low dissolved oxygen alarm - Loss of set value (SV) error - Blower loss of communications - Pressure/Dissolved Oxygen transmitter out of range - Blower design maximum pressure setpoint exceeded - Blower output fixed - Instrumentation out of tolerance - Mains failed - Power supply surge protection activated
Standard Communication Protocol	Modbus TCP/IP (blower and SCADA) Other SCADA communication protocols available upon request Optional hard-wired signal interfaces		
Standard PLC Modules	Siemens S7 with Comfort Panel HMI		
Ambient Conditions	Operating temperature from -20°C to +50°C Relative humidity from 10% to 90%, without condensation		
Protection Class	IP 54		
Certifications	LVD 2014/35/EU BS EN 61439-1:2011; BS EN 61439-2:2011		
Operator Control	Door-mounted touchscreen HMI Multiple language options Control options fully configurable via HMI		
Pre-programmed Logic Features	Control for 2 to 6 blowers standard; additional capacity available upon request Proportional, Integral, Derivative (PID) loop setpoints Blower transition setpoints Blower priorities for off, duty, assist, stand-by, and manual		

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



Digital transformation starts with Xylem Vue

Digital adoption is no longer an option; it's an urgent reality to meet the increasing pressures you face. The Sanitaire Blower Group Controller is an important part of our full suite of digital solutions, Xylem Vue, that combines smart and connected technologies, intelligent systems and services, and 150+ years of problem solving expertise. Xylem Vue helps solve your most pressing water challenges and deliver transformative outcomes for your communities – faster and more affordably.

For more information on Xylem Vue, go to xylem.com/XylemVue



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