ECO MAXX™

ECOBOSS™ AUTOMATIC BLAST GATES

100% Positive Seal, 24VDC Energy Efficient Automatic Blast Gates. 110VAC Solenoids, low voltage and pneumatic energy management networks are available.

ECOMAXX™ NO RETURN EXPLOSION ISOLATION VALVES

Explosion Isolation Valves are a required NFPA component for the suction side of all ducts transporting material with a Kst value above zero. The NRV is ATEX certified and will protect workers and facilities from the damaging effect of a baghouse or filter explosion.

ECOMAXX™ FIRE BREAK SHUTTERS

FireBreak Shutters are an Extremely High Speed Fire Protection Safety Device. The EcoMAXX™ Electronic Fire Control Panel is the brain that senses a signal from a spark, flame, pressure or temperature sensor. When an event is detected the FireBreak Shutter is activated and Isolates the suction side piping from a baghouse or filter within a fraction of a second. Standard units are held in the open position with a pneumatic cylinder. High speed isolation is achieved via gravity closure.

ECOMAXX™ SPARK DETECTION AND EXTINGUISHMENT SYSTEMS

Spark detection and extinguishment systems detect and extinguish sparks and burning material in milliseconds before it reaches the dust collection equipment. Flame sensors, dust detectors and temperature monitoring systems are among available options.

ECOMAXX™ HEAVY DUTY HIGH SPEED ABORT GATES

Heavy Duty High Speed Abort Gates are a required NFPA component for all ducts that re-enter a building after passing through a baghouse or filter that is collecting combustible materials. A high speed Abort Gate on the return air side of the baghouse or filter will protect workers and facilities from the damaging effect of a baghouse or filter explosion.

AUTOMATIC BLAST GATES

CERTIFIED EXPLOSION ISOLATION VALVES

FIRE BREAK SHUTTERS

SPARK DETECTION AND EXTINGUISHMENT SYSTEMS

HIGH SPEED ABORT GATES

Call today for your energy audit!

360-263-2360

ECO BOSS™

Green Ventilation Controls

BOSS PRODUCTS LLC

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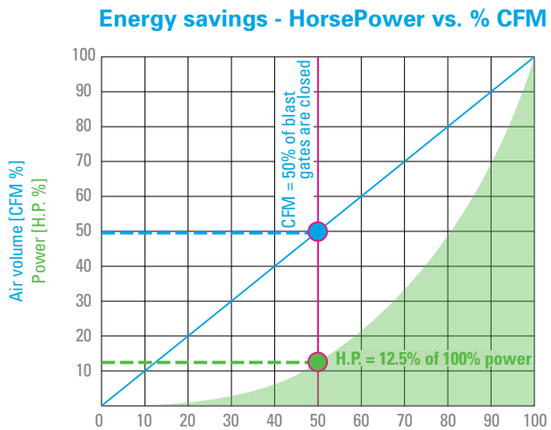
How EcoBoss Can Work for You...

EcoBoss Energy Management Control Systems deliver up to 80% reduction in kWh consumption for typical industrial ventilation systems.

Boss Products engineers have spent years of research & testing to verify that the key to significant energy savings is to **REGULATE FAN PERFORMANCE CAPACITY TO DELIVER THE SUCTION VOLUME BASED ON SPINDLE RUN TIME.**

Typical industrial ventilation systems are designed to operate at full capacity. Extensive observation and case studies have shown that **ACTUAL SPINDLE RUN TIME** rarely approaches 50% of full capacity during 90% of an average monthly production cycle!

EcoBoss Energy Management Systems have been designed to take full advantage of the Fan Affinity Law which clearly illustrates how an EcoBoss installation **WILL WORK FOR YOU!**



When a fan's CFM volume is reduced by 50% the kWh consumption is reduced to 12.5% of full load.

Advanced technology, systems engineering and modern components have been combined to create the **EcoBoss Energy Management Controls.** Three levels of EcoBoss controls have been developed & field tested to optimize the function of industrial ventilation control applications.

EB Loop Box & EB Loop Control Panel

The EB-LB-010 Loop Box (Modular) and EB-LCP Loop Control Panel (Central) controls have been designed to automatically regulate fan speed to deliver optimum CFM over varying pressure and resistance conditions. These controls are remote start capable and designed to be used with manual gates.

EB Power Box & EB Industrial Energy Control Panel

The EB-PB-010 Power Box (Modular) & EB-IECP (Central) Industrial Energy Control Panels provide all the features necessary to operate an Efficient Energy Management System. Both models include Smart Integration to optimize SPINDLE RUN TIME and operate various additional devices. Sequenced control of discharge valves, transfer fans, dirty filter alarms, fire suppression, explosion isolators & filter cleaning systems are examples. EcoBoss PB and IECP Controls are designed to be used with automatic gates with models available for use with manual gates.

EB Power Box Ultimate & EB Multifunction Control Panel

The EB-PBU-010 Power Box Ultimate (Modular) & EB-MFCP Multi-function Control Panel (Central) are the ultimate in energy control and systems automation. These controls utilize an easy to use graphical color touch screen interface that is customized for specific applications. All of the features found in the other models are included with options for remote access, data logging and a variety of custom possibilities. These controls are typically used for large industrial systems with multiple zones, devices, and automatic gates under it's control. The EB-PBU and EB-MFCP are scalable solutions and can be applied to any size application.