



EcoBOSS™ Loop Box is a simple, yet powerful yet powerful addition to any process ventilation system that guarantees **ENERGY SMART** operation. When combined with an EcoBOSS™ EB-SVD Standalone Variable Speed Drive and manual or automatic blast gates, the Loop Box Control regulates fan speed to deliver optimum CFM with energy savings up to 80%. The EcoBOSS™ Loop Box insures additional efficiency by regulating fan speed dependent on varying filter pressure and resistance conditions. All Loop Box systems are remote start capable and designed to reduce energy cost based on equipment utilization and spindle run time demand.

Added benefits include significant sound level reduction, increased filter life, maximum collection efficiency and fan capacity utilization.

Standard Features

- NEMA 12 enclosure
- 0-10" pressure transducer
- SVD link light
- Remote start/stop terminals
- Terminals for connecting to EB-SVD stand alone variable speed drive
- 3-prong 120VAC power cord
- Terminals for connecting to optional Fire Control System, No Return Valve (CP02) Intrinsic Panel, Fire Break/No Return Valve Micro-Switch, make-up air damper, pulse cleaning control and auxiliary device motor starter panel.
- UL labeled

Available Options

- EB-SVD stand-alone variable speed drives.
- All NEMA enclosure ratings
- Lesser or larger pressure transducer ranges
- EB-MPK power supplies to operate autogates
- EB-DPPC differential pressure based pulsed cleaning controls and EB-ADMS auxiliary devices motor starters. Available as a stand-alone control(s) or can be integrated into the Loop Box
- **EB-LCP LOOP CONTROL** All-in-one central control panel with integral EB-SVD and disconnect.

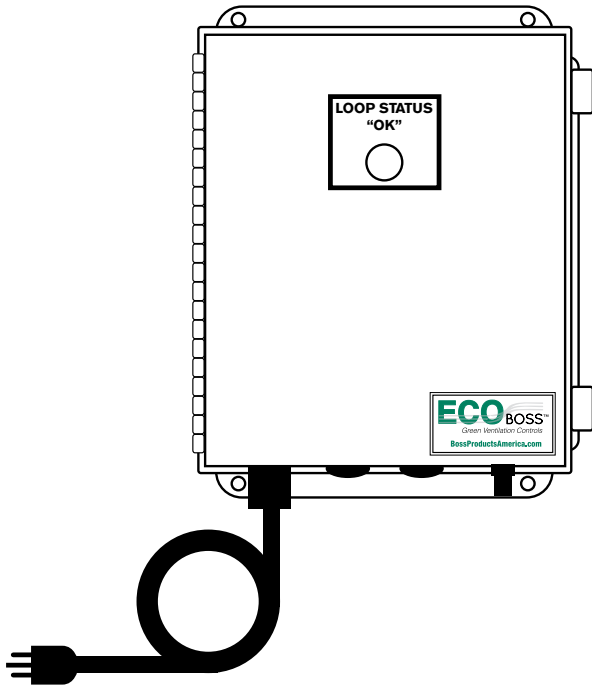


Example Applications:

- Dust Collection
- Mist Collection
- Fume/Smoke Collection
- Ambient Air Cleaning
- Vehicle Exhaust



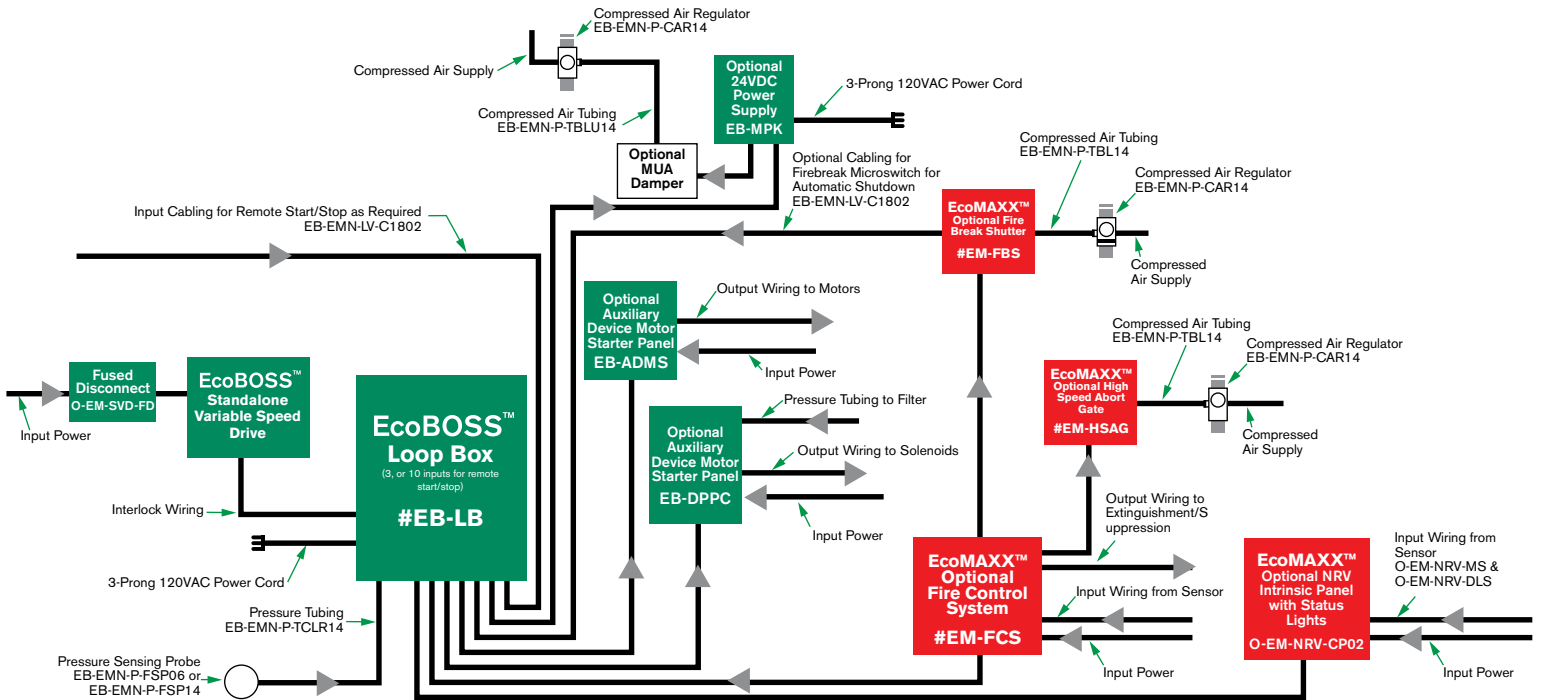
AVAILABLE MODELS



| MODEL | DESCRIPTION |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|
| EB-LB-010-03 | Standard Loop Box with (3) Remote Start/Stop Terminals |
| EB-LB-010-10 | Standard Loop Box with (10) Remote Start/Stop Terminals |
| EB-LCP-XXX-X-XXX | Loop Control Panel. Combines EB-SVD & Applicable Components in a Single All-In-One Central Control Panel with Disconnect |

NOTE: EB-LB and EB-LCP are designed to be used with manual dampers. Automatic dampers can be added to the system by adding (1) EB-MPK01 or EB-MPK02 per damper

TYPICAL EcoBOSS™ LOOP BOX SYSTEM POWER DISTRIBUTION SCHEMATIC



***NOTE:** Central Panel EB-LCP combines applicable Loop Box system components in (1) Central Panel with Disconnect