

# Grade-D Filtration

## Auto-Air™ Breather Box™

### What Is an Auto-Air™ System?

If IDLH work environments exist, the Auto-Air™ Breather Box™ option should be considered. The Auto-Air™ filtration system was developed to provide Grade-D breathing air with full automatic reserve air in the event of either electrical failure or reduced pressure from the main air source while working in hazardous environments. Reserve air activation occurs at 60 psi and/or loss of electrical supply, the system automatically switches to the reserve air cylinder(s). Local and optional remote alarms signal the workers that the primary air system has failed and has switched to the back-up air system. This Auto-Air™ feature is offered in electric or pneumatic versions.

**Note:** *IDLH conditions require the use of a pressure demand respirator with at least a 5 minute escape cylinder. For technical questions, contact Air Systems' Customer Service Department.*

**Did You KNOW?**

*NIOSH requires the use of a 5 minute airline escape respirator when working in IDLH environments. Our Auto-Air™ feature does not replace the NIOSH requirement, however, some work environments may require a 30-minute (or longer) airline escape method to safely egress the hazardous area. This situation would require the use of an Auto-Air™ Breather Box™ or Auto-Air™ Cart.*



The primary air line connection is attached from the compressor to the Auto-Air™ Breather Box™. A reserve air line is attached from a single or bank of air cylinders based on the required egress duration and number of workers using the system.

The system can be tested prior to each use to ensure proper function of the Auto-Air™ system.

**Always size the reserve air systems to allow an adequate safety factor for all workers to egress the environment.**

### The Auto-Air™ Breather Box™

#### Fully Automatic Reserve Air System for Work in IDLH Environments



**BB50-COAA**  
STANDARD ELECTRIC VERSION



**BB100COAAP**  
**Fully Pneumatic System**  
with certified intrinsically safe CO monitor for use in hazardous location environments

*Please specify 1/4" Hansen style or Schrader style fittings when ordering. Other fittings available for an additional charge.*

Model No.	Description - Electric Versions
BB30-COAA	30 cfm Auto-Air™ Breather Box™ - (48 cfm flow capacity) - 2 couplings
BB50-COAA	50 cfm Auto-Air™ Breather Box™ - (79 cfm flow capacity) - 4 couplings
BB100-COAA	100 cfm Auto-Air™ Breather Box™ - (123 cfm flow capacity) - 4 couplings

**see page 12 for calibration kit ordering information**  
**Contact Customer Service for Reserve Air Cylinders and Regulators**

Model No.	Description - Pneumatic Versions
	<b>Intrinsically Safe</b>
BB30-COAAP	30 cfm Intrinsically Safe Auto-Air™ Breather Box™ (48 cfm flow capacity) - 2 couplings
BB50-COAAP	50 cfm Intrinsically Safe Auto-Air™ Breather Box™ (79 cfm flow capacity) - 4 couplings
BB100COAAP	100 cfm Intrinsically Safe Auto-Air™ Breather Box™ (123 cfm flow capacity) - 4 couplings

**Approved for Class I, Division 1, Groups C and D environments and are 9 VDC operation only**



[Air Systems BB30-COAA Auto-Air Breather Box IDLH](#)

[Air Systems International BB100-COAA Auto-Air Breather Box IDLH](#)

[Air Systems International BB100COAAP Auto-Air Breather Box IDLH](#)

[Air Systems International BB30-COAAP Auto-Air Breather Box IDLH](#)

[Air Systems International BB50-COAA Auto-Air Breather Box IDLH](#)

[Air Systems International BB50-COAAP Auto-Air Breather Box IDLH](#)