Clean air. From a little yellow box.

Clean Air Box Series (CAB) Breathing Air Filtration Systems

COMPLIANCE

OSHA requires that employers provide their workers with Grade D breathing air. Bullard Clean Air Boxes provide 3-stage filtration and carbon monoxide (CO) monitoring to help meet this requirement.

DESIGN

Rugged construction for harsh work environments

- Polycarbonate Pelican® Cases (Portable Units)
- Powder Coated Steel (Wall Mount Units)

Automatic condensate drains extend filter element life

Independent regulators (optional) ensure each worker has the proper air flow

3-STAGE FILTRATION

Three stages of filtration remove oil, water, particulate, oil vapor and odors.

- First Stage - Removes 95% of solid contaminants and bulk liquids from the breathing air, down to five microns, prolonging the life of the second and third stage elements.
- Second Stage - Removes extremely fine oil mists down to .01 microns. Maximum remaining filter efficiency is 99.9998%.
- Third Stage - Removes unpleasant oil and hydrocarbon vapors and odors from the air. Maximum remaining oil content is .003 ppm by weight. Filter efficiency is 99.9998%.

Filter change indicators visually alerts the operator to replace element

Replacement filters compatible with other brands of filtration panels

CO MONITORING

Auto calibration takes approximately 90 seconds and requires no tools

High intensity 90 dB alarm remote capable with strobe

Self-contained

- 70+ hours of operation on 8-AA batteries
- 110VAC power cord included

Visual display with Internal LCD and External LEDs

Bullard CAB100HA Clean Air Box Breathing Filtration System
Bullard CAB50HA5 Clean Air Box Breathing Filtration System
Bullard CAB30IRHA Clean Air Box Breathing Filtration System
Bullard CAB50HA Clean Air Box Breathing Filtration System
Bullard CAB30HA Clean Air Box Breathing Filtration System

Clean Air Box Series (CAB)

Technical Specifications and Ordering Information

Technical Specifications

Filtration Capacity	
15 cfm	(425 lpm) at 110 psi (7.5 bar)
50 cfm	(1415 lpm) at 110 psi (7.5 bar)
30 cfm	(850 lpm) at 110 psi (7.5 bar)
100 cfm	(4248 lpm) at 110 psi (7.5 bar)
Filter Efficiency	
First Stage:	Filters down to 5 microns. 95% of bulk liquids. Automatic drain. Filter Change Indicator.
Second Stage:	Filters down to .01 microns. 99.9998% efficient. Automatic drain. Filter Change Indicator.
Third Stage:	Removes oil vapors, odors and tastes. Maximum remaining oil content .003 ppm/wt. 99.9998% efficient. Filter Change Indicator.
Filter Housing	Polycarbonate bowls.
Inlet	1/2" (13mm) Industrial Interchange (Hansen Compatible) male plug
Outlets	1,2,4,or 8 as specified. 1/4" Hansen quick disconnect standard. Schrader, Snap Tite, CEJN also available Aluminum block manifold
Max Inlet Pressure	150psi (10.3 bar)
Max Outlet Pressure	125psi (8.6 bar)
Relief Valve	125psi (8.6 bar) ASME preset
Pressure Regulator	Adjustable locking regulator with 0-160 psi outlet gauge.
Construction	Wall Panel Units - steel with powder coating
Portable Units	Polycarbonate Pelican case
Monitor	Flow-thru In-line continuous operation
Voltage	Portable Units: 115-volt AC (10' cord included) or 8-AA batteries. Monitor switches automatically to DC with AC power failure Wall Units: 110/220 VAC, wiring required.
Display	Internal digital LCD display Accurate +/- 1% of full scale
Operation Lights	External green light - normal AC operation External red light - high CO External amber light (steady) - battery power in use External amber light flashing - low battery with flashing chirp
Audible Alarm	High intensity 90 dB
Response	90% of full scale in 10 seconds
Sensor	Electrochemical (CO specific)
Output Signal	Remote alarm jack with DC output and cover cap
Calibration	Auto calibration (no tools required). Completes in 90 seconds. Recommended monthly.
Warranty	Two years on sensor and monitor

Ordering Information

Portable Units*	
CAB15	15 cfm with one outlet
CAB30	30 cfm with two outlets
CAB30IR	Same as above with Independent Regulators
CAB50	50 cfm with four outlets
CAB50IR	Same as above with Independent Regulators
CAB100	100 cfm with eight outlets
CAB100IR	Same as above with Independent Regulators
Wall Units*	
CAB15PM	15 cfm with one outlet
CAB30PM	30 cfm with two outlets
CAB30PMIR	Same as above with Independent Regulators
CAB50PM	50 cfm with four outlets
CAB50PMIR	Same as above with Independent Regulators
CAB100PM	100 cfm with eight outlets
CAB100PMIR	Same as above with Independent Regulators
Replacement Parts	
CAB30FEA	Stage 1 Element for 15 or 30 cfm
CAB30FEB	Stage 2 Element for 15 or 30 cfm
Replacement Parts	
CAB30FEC	Stage 3 Element for 15 or 30 cfm
CAB30FK	Element kit, includes Stages 1-3 for 15 or 30 cfm
CAB50FEA	Stage 1 Element
CAB50FEB	Stage 2 Element
CAB50FEC	Stage 3 Element
CAB50FK	Element kit, includes Stages 1-3
CAB100FEA	Stage 1 Element
CAB100FEB	Stage 2 Element
CAB100FEC	Stage 3 Element
CAB100FK	Element kit, includes Stages 1-3
CABRS	CO Monitor Sensor Element - Older Units
CABRS2	CO Monitor Sensor Element - Newer Units
Accessories	
CABCK	Calibration Kit
RA	Remote Alarm
CABKS1530**	Kickstand FOR CAB15 or CAB30
CABKS50100**	Kickstand FOR CAB50 or CAB100
V25HA	1/4" splitter

*Specify outlet fitting when ordering
**Must be ordered with Clean Air Box

⚠ WARNING

These units will not remove Carbon Monoxide (CO), Carbon Dioxide (CO2), Nitrogen, or other toxic gases or fumes. These units will not increase the oxygen content of an air supply and should not be used when air entering the system is oxygen deficient. Air filtration systems must be operated in the upright position to allow the auto drains to properly seat. The standard Clean Air Box (CAB) filtration units are not explosion proof and should be located in a non-explosive environment.

Bullard products are manufactured to exacting specifications. Any alteration or modification of these products by the user may adversely affect product performance. This information is in summary form only for easy reference. Refer to labels, instruction sheets and other literature accompanying the product for more complete details regarding product installation, use, maintenance, warnings, performance capabilities, complete specifications, user instructions and precautions.