



SAFETY. SINCE 1898.™

Clean Air Box Series (CAB) Supplied Air Filtration Systems

Clean air. From a little yellow box.

PERFORMANCE BENEFITS

Bullard Clean Air Boxes provide 3-stage filtration and carbon monoxide (CO) monitoring to the required Grade D breathable air that when combined with other safeguards provides users with cleaner, more comfortable air.

DESIGN

Rugged construction for harsh work environments

- Polypropylene 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 by allowing each independent regulator to be set with an individual pressure setting per connection

3-STAGE FILTRATION

Three stages of filtration helps 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.
- Third Stage - Removes unpleasant oil and hydrocarbon vapors and odors from the air. Maximum remaining oil content is .003 ppm by weight.

Filter change indicators visually alerts the operator to replace affected filter element

CO MONITORING

Auto calibration takes approximately 90 seconds and requires no tools.

High intensity 90 dB alarm remote capable with strobe.

Self-contained

- 40+ hours of operation on 8-AA batteries
- 115VAC power cord included

Visual display with Internal LCD on CO monitor, and External LEDs for visual alarm signals





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TECHNICAL SPECIFICATIONS

Filtration Capacity

15 cfm	(425 lpm) at 110 psi (7.5 bar)
30 cfm	(850 lpm) at 110 psi (7.5 bar)
50 cfm	(1415 lpm) at 110 psi (7.5 bar)
100 cfm	(2830 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. Automatic drain. Filter Change Indicator.
Third Stage:	Removes oil vapors, odors and tastes. Maximum remaining oil content .003 ppm/wt. Filter Change Indicator.

Filter Housing Inlet

Polycarbonate bowls.
1/2" (13mm) Industrial Interchange (Hansen Compatible) male plug

Outlets

1,2,4,or 8 as specified. 1/4" Hansen quick disconnect couplers. Schrader, Snap Tite, CEJN also available for quick disconnect couplers.

Max Inlet Pressure

150psi (10.3 bar)

Max Outlet Pressure

125psi (8.6 bar)

Relief Valve

125psi (8.6 bar) OSHA Preset pressure

Pressure Regulator

Adjustable locking regulator with 0-160 psi outlet gauge.

Construction

Wall Panel Units - steel with powder coating

Portable Units

Monitor

Voltage

Polypropylene Pelican case
Flow-thru In-line type continuous operation
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 by customer.

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 Response

Sensor

Output Signal

High intensity 90 dB
90% of full scale in 10 seconds
Electrochemical (CO specific)
Remote alarm jack with DC output and cover cap
Auto calibration (no tools required). Completes in 90 seconds. Recommended monthly.

Calibration

Warranty

Two years on CO sensor only. One year on rest of CAB unit.



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
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
CABRS2	CO Monitor Sensor Element - Newer Units

Accessories

CABCK	Calibration Kit
RA	Remote Alarm

*Specify outlet fitting when ordering

⚠ WARNING

Bullard Clean Air Boxes (CAB) do NOT create Grade D breathable air. These units are not intended to provide respiratory protection to the user. Do not connect the CAB unit to any air source that does not contain at least Grade D breathable air. 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. Failure to read, understand and follow these instructions could result in death or serious injury or life-threatening delayed lung disease including but not limited to pneumoconiosis, asbestosis or silicosis.

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.

Bullard Center
2421 Fortune Drive
Lexington, KY 40509 • USA
877-BULLARD (285-5273)
Tel: +1-859-234-6616
Fax: +1-859-246-0243

Americas Operations
1898 Safety Way
Cynthiana, KY 41031 • USA
877-BULLARD (285-5273)
Tel: +1-859-234-6616
Fax: +1-859-234-8987

Bullard GmbH
Dieselstrasse 8a
53424 Remagen • Germany
Tel: +49-2642 999980
Fax: +49-2642 9999829

Bullard Asia-Pacific Pte. Ltd.
51 Changi Business Park
Central 2
#03-04 The Signature
Singapore 486066
Tel: +65 6745 0556

www.bullard.com

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