

## C-90B Electronic Air Cleaner



Second generation technology

Even higher CADR ratings

Safe, effective and energy efficient



**AHAM TESTED and CERTIFIED** effective at removing dust, tobacco smoke and pollen.

**AHAM** rated for areas up to 506 square feet.

Meets and **EXCEEDS** all government recommendations for safe ozone emissions (UL, EPA and FDA).



**Friedrich**

# *outperforms* 99% OF AHAM CERTIFIED AIR CLEANERS

**Clean fresh air**... your good health and well-being depend on it. But according to the Environmental Protection Agency, today's tightly-sealed homes and offices can have air that is up to 100 times more polluted than outdoor air.

An air cleaner is an excellent way to eliminate indoor pollutants. The C-90B, Friedrich's second generation electronic air cleaner, effectively cleans the air for a healthier, more pleasant indoor environment. We've taken the best and made it even better.

## **PROVEN SAFE & EFFECTIVE**

Growing concerns about ionizers and indoor ozone levels have caused confusion about what is safe. The Friedrich C-90 has been proven safe and effective by the Association of Home Appliance Manufacturers (AHAM). In recent reports, the C-90 was also selected as the best safe and effective choice, producing only minimal amounts of ozone. In standardized industry testing, the C-90 produced only .014 parts per million of ozone, well below the UL and FDA limit of .050 ppm.

## **TOP RATED AND NOW EVEN BETTER!**

The C-90 has been consistently top-rated by leading publications. It quickly eliminates dust, tobacco smoke, pollen, pet dander and other allergy and asthma triggers. The C-90B's clean air delivery rates (CADR) are as much as 18% higher than its predecessor, the C-90A, **which already outperformed 99% of the AHAM certified air cleaners on the market\***.

## **ENERGY EFFICIENT**

The C-90B is ENERGY STAR® qualified. Products that have earned the ENERGY STAR label help protect the environment and cost less to operate. The C-90B uses about the same amount of electricity as a household light bulb.

## **QUIET OPERATION**

The C-90B is quiet and unobtrusive. At times you may not even know it's running. On the low setting it runs at 45.89 dBs, almost as quiet as a PC. This makes it ideal for bedrooms and offices, as well as family rooms and other high-activity areas.

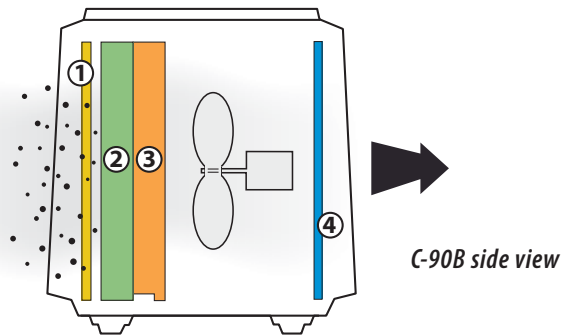




# SAFE and effective

## HOW THE C-90B WORKS

- 1 The **pre-filter** catches the larger particles as room air is drawn through the rear grille by a small yet powerful 3-speed fan.
- 2 The **electronic cell** charges billions of microscopic particles as they pass through a powerful electric field.
- 3 **Collector plates** immediately attract these "charged" particles.
- 4 The **activated carbon filter** removes most common odors and fumes as the "clean air" is circulated back into the room.



## EASY MAINTENANCE

You can keep the unit operating at peak efficiency by periodically washing the electronic cell. Simply lift out the cell and submerge it in a bathtub or other suitable container. It may also be placed in an automatic dishwasher.

The pre-filter can be rinsed with water as needed. The inexpensive carbon filter only needs to be replaced occasionally, about every three to six months. Ordering replacement carbon filters is easy— just go to [bestaircleaner.com](http://bestaircleaner.com) to place a secure online order, or call us directly to place your order by phone. You can also purchase replacement filters from your local authorized dealer.

| Filter Type     | Maintenance                | Cost    |
|-----------------|----------------------------|---------|
| Electronic cell | Rinse with water as needed | \$0     |
| Carbon filter   | Replace every 3-6 months   | \$19.95 |
| Pre-filter      | Wash as needed             | \$0     |

## ADVANCED FEATURES

**Powerful three-speed fan**  
quickly removes airborne pollutants.

**Power indicator light**  
shows that the unit is operating properly.

**Safety interlock switch**  
shuts unit off when access cover is removed.

**Self-regulating power supply**  
eliminates possible line voltage fluctuations.



Consider these important benefits when shopping for an air cleaner:

|   | C-90B | Ionizers    | HEPA        |
|---|-------|-------------|-------------|
| Meets UL/FDA safe ozone emission standard | Yes   | No          | Yes         |
| Effective airflow                         | Yes   | No          | Yes         |
| Cleanable filter                          | Yes   | Yes         | No          |
| Helps remove odor                         | Yes   | Some models | Some models |
| High energy efficiency ratings            | Yes   | Yes         | Some models |
| Three filtering phases                    | Yes   | Some models | Some models |
| AHAM certified                            | Yes   | No          | Some models |
| Particles held after trapping             | Yes   | No          | Yes         |

## ELIMINATE INDOOR AIR POLLUTANTS FROM THE AIR YOU BREATHE

Notice a shaft of sunlight as it streams in through a window. The visible dust and lint are only one percent of the billions of particles present. Most are microscopic and will aggravate allergy symptoms, cause respiratory ailments and contribute to overall discomfort. The C-90B effectively works to eliminate these common indoor pollutants:

- Dust particles
- Plant spores
- Humidifiers
- Mold spores
- Pollen
- Fireplaces
- Pet dander
- Tobacco smoke
- Wood stoves
- Air fresheners
- Aerosol sprays
- Pesticides



*Pet dander is a common allergy/asthma trigger.*

## IN JUST A FEW YEARS THE C-90B WILL PAY FOR ITSELF

Don't let the price tag fool you. Yes, the C-90B initial purchase may cost more than some other air cleaners, but other air cleaners can cost much more to operate.

Compare the costs of a Friedrich C-90B purchased for \$499, and a popular HEPA-filtered air cleaner for \$219. If you run each unit on the medium fan setting for 24 hours per day for five years, how much will each air cleaner cost then? In an average year, the C-90B costs **\$182 less per year** to operate than a typical HEPA-filter air cleaner. When you add operating costs to purchase price, **the C-90B has a five-year savings of \$550.**

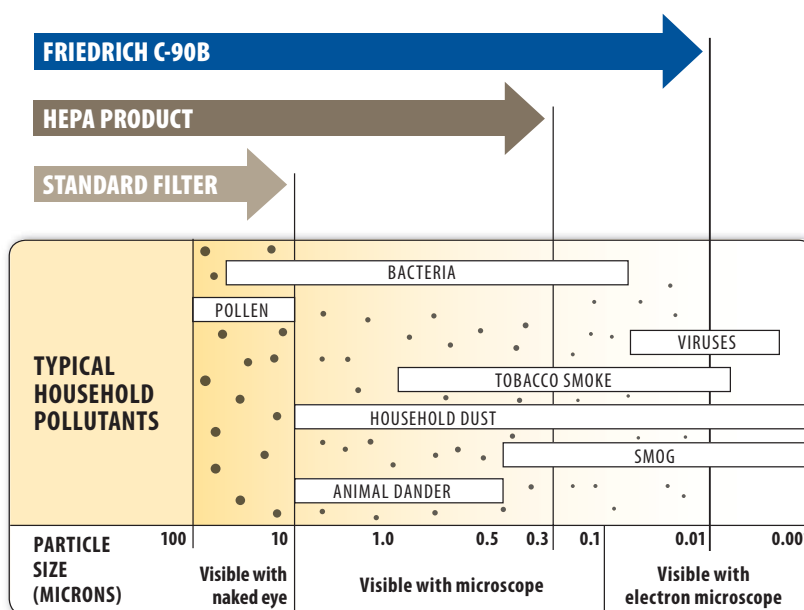
|                                   | 1st year | 2nd year | 3rd year | 4th year | 5th year | 5-year* totals |
|-----------------------------------|----------|----------|----------|----------|----------|----------------|
| <b>FRIEDRICH C-90B (335 CADR)</b> |          |          |          |          |          |                |
| Purchase price                    | \$499    | —        | —        | —        | —        | \$499          |
| Filters                           | \$20     | \$40     | \$40     | \$40     | \$40     | \$180          |
| Electricity                       | \$63     | \$63     | \$63     | \$63     | \$63     | \$315          |
|                                   |          |          |          |          |          | <b>\$994</b>   |
| <b>HEPA PRODUCT (225 CADR)</b>    |          |          |          |          |          |                |
| Purchase price                    | \$219    | —        | —        | —        | —        | \$219          |
| Filters                           | \$0      | \$100    | \$100    | \$100    | \$100    | \$400          |
| Electricity                       | \$185    | \$185    | \$185    | \$185    | \$185    | \$925          |
|                                   |          |          |          |          |          | <b>\$1,544</b> |

\* Cost estimates are based on available Internet prices for air cleaners, pre-filters and primary filters, with filters replaced following manufacturer suggestions. Electricity costs are based on average rate of \$.08 per kilowatt hour.

## THE C-90B OUTPERFORMS OTHER TECHNOLOGY

The Clean Air Delivery Rate (CADR) is the standard by which portable room air cleaners are evaluated. You will generally see CADRs expressed for the three most common types of pollutants: **tobacco smoke, dust** and **pollen**. CADR refers to the amount of clean air provided by an air cleaner each minute of operation- measured in cubic feet. The Friedrich C-90B air cleaner is rated for rooms up to 506 square feet.

With one of the highest CADR ratings in the industry, The C-90B quickly removes airborne contaminants as small as .01 microns, approximately 1000 times smaller than the smallest dust speck visible to the naked eye.



## SPECIFICATIONS 60 Hz / 120V

| Electrical | Fan speed - CFM | Weight           | Cabinet Dimensions |
|------------|-----------------|------------------|--------------------|
| AMPS .80   | HIGH 390        | NET 28 Lbs.      | HEIGHT 19.0"       |
| WATTS 90   | MEDIUM 280      | SHIPPING 33 Lbs. | WIDTH 15.0"        |
|            | LOW 220         |                  | DEPTH 21.5"        |



### Clean Air Delivery Rate

*Certified Rating*

From air cleaner to air cleaner, compare the CADR numbers. First, look at suggested room size. Then refer to the tobacco smoke, dust and pollen Clean Air Delivery Rate (CADR) numbers. The higher the numbers, the faster the unit filters the air.

This air cleaner is suggested for use in a single closed room up to 506 square feet.

Room size ratings conform to the AHAM Certification Program criteria of 80% smoke reduction. Higher Clean Air Delivery Rates provide improved performance in all room sizes. Portable air cleaners will be much more effective in rooms where all doors and windows are closed.

Tobacco Smoke: 326 Dust: 384 Pollen: 421

These values represent performance that can be expected within the first 72 hours of operation. Subsequent performance may vary with use.

www.cadr.org

Association of Home Appliance Manufacturers **AHAM**

