Friedrich

C-90B ELECTRONIC AIR CLEANER

Safe, effective and energy efficient

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

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

CLEAN AIR
AHAM CERTIFIED
DELIVERY RATE

C-90B Electronic Air Cleaner

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 minimize 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.

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 99.9% of the AHAM certified air cleaners on the market*. And, no other air cleaner rated for 600 sq. ft. or less, outperforms the new C-90B.

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.

SAFE & EFFECTIVE

Growing concerns about ionizers and indoor ozone levels have caused confusion about what is safe. In independent tests, the C-90 was 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. And the Friedrich C-90B has been proven effective by the Association of Home Appliance Manufacturers (AHAM).

QUIET OPERATION

The C-90B is quiet and unobtrusive. At times you may forget it's running. On the low fan setting, it runs at 45.89 dBs, almost as quiet as a PC. This makes it ideal for bedrooms and offices, as well as for family rooms and other high-activity areas.

Quickly eliminates dust, tobacco smoke, pollen, pet dander and other allergy and asthma triggers.

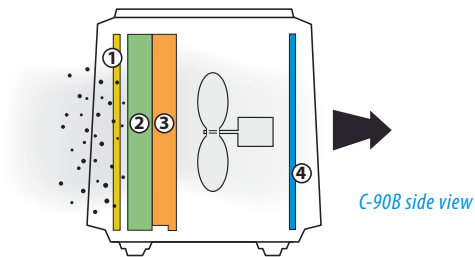* Based on CADR for tobacco, pollen and dust.

Outperforms **99%** of AHAM Certified Air Cleaners

HOW THE C-90B WORKS

❶ The pre-filter catches the larger particles as room air is drawn through the rear grille by a small yet powerful 3-speed fan.

❷ The electronic cell charges billions of microscopic particles as they pass through a powerful electric field.

❸ Collector plates immediately attract these "charged" particles.

❹ The activated carbon filter helps remove most common odors and fumes as the air is circulated back into the room.

C-90B side view

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 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 unit is operating properly.

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

Self-regulating power supply
eliminates possible line voltage fluctuations.

IMPORTANT BENEFITS TO LOOK FOR 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	Some
High energy efficiency ratings	Yes	Yes	Some
Three filtering phases	Yes	Some	Some
AHAM certified	Yes	No	Some
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
- Mold spores
- Pet dander
- Air fresheners
- Plant spores
- Pollen
- Tobacco smoke
- Aerosol sprays
- Humidifiers
- Fireplaces
- Wood stoves
- Pesticides

C-90B Electronic Air Cleaner

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 $217 less per year to operate than a typical HEPA-filter air cleaner. When you add operating costs to the purchase price, the C-90B has a five-year savings of $725.
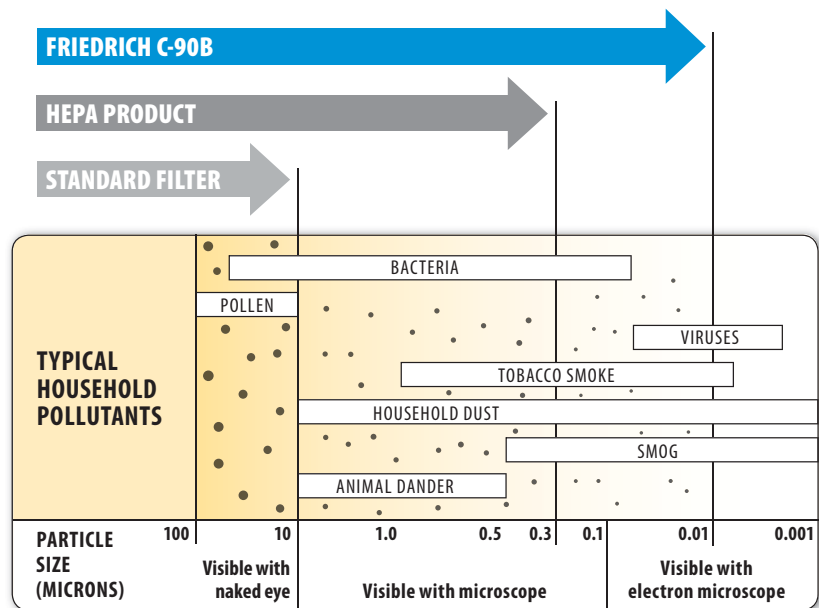
	1st year	2nd year	3rd year	4th year	5th year	5-year* totals
FRIEDRICH C-90B *(335 CADR)*						
Purchase price	$499	–	–	–	–	$499
Filters	$20	$40	$40	$40	$40	$180
Electricity	$81	$81	$81	$81	$81	$405
						$1084
HEPA PRODUCT *(225 CADR)*						
Purchase price	$219	–	–	–	–	$219
Filters	$0	$100	$100	$100	$100	$400
Electricity	$238	$238	$238	$238	$238	$1190
						$1809

* 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 $.103 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 during 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.

FRIEDRICH C-90B

HEPA PRODUCT

STANDARD FILTER

TYPICAL HOUSEHOLD POLLUTANTS

BACTERIA

POLLEN

VIRUSES

TOBACCO SMOKE

HOUSEHOLD DUST

SMOG

ANIMAL DANDER

PARTICLE SIZE (MICRONS)	100	10	1.0	0.5	0.3	0.1	0.01	0.001
		Visible with naked eye	Visible with microscope				Visible with electron microscope	

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"

AHAM CERTIFIED

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**

Friedrich

ENERGY STAR