



United Air Specialists, Inc.

a CLARCOR company

**SMOKEETER<sup>®</sup>**



SE 50

COMMERCIAL AIR CLEANERS

*Clean air. It's what we do.<sup>™</sup>*

# SMOKEETER®

THE First  
AND Best  
Indoor  
Air Cleaner  
OF ITS KIND!



*...there is only one  
"Original" Smokeeter.*

## ENSURE CLEAN, BREATHABLE AIR

The success of any public establishment depends on meeting a range of customer expectations—from quality service to an inviting atmosphere. And, ensuring clean breathable air is no exception. That's why United Air Specialists (UAS) offers the "Original" Smokeeter indoor air cleaning system—an effective and economical solution for clean air.

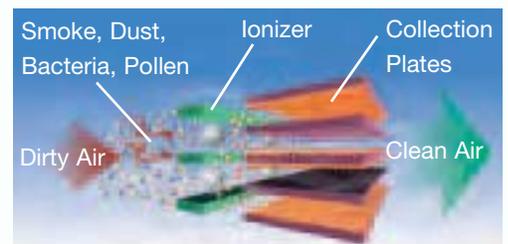
Don't be confused by companies offering air cleaners with a similar name, because there is only one "Original" Smokeeter.

## BETTER THAN THE REST

Smokeeter air cleaners are far superior to the competition because they use Electrostatic Precipitator (ESP) technology to remove contaminants like smoke, dust, pollen, bacteria, fungi and viruses from the air. Harmful particles are drawn into the Smokeeter unit and given an electronic charge. Then, like a magnet, ESP Collection Cells capture the charged pollutants and send the contaminate-free air through a carbon after-filter to eliminate odors. The result: clean, fresh air recirculated throughout the room.



In addition to ensuring cleaner air for your customers, guests and employees, Smokeeters can actually lower utility bills. These systems keep cleaned air moving indoors instead of exhausting costly heated or cooled air outdoors. Also, Smokeeters use less energy than media units, which require more horsepower. These air cleaners can also reduce housekeeping costs by minimizing pollution build-up on walls, windows and furnishings.



*How ESP Works*



## DON'T LET THE NAME FOOL YOU

Smokeeater is well known around the world as the preeminent commercial air cleaner. As its name implies, this system is great for cleaning air in smoking environments like bars, casinos, nightclubs and restaurants. But Smokeeaters are also extremely effective in non-smoking atmospheres where many harmful contaminants are invisible, including healthcare facilities, offices and schools.



## EASY MAINTENANCE, HIGHER EFFICIENCY, QUIETER OPERATION

Smokeeaters utilize easy-to-clean, reusable aluminum collection cell components that eliminate the need for frequent filter replacements. These units have twice as much collection surface area as other ESP air cleaners, allowing for longer time periods between cleanings. In most commercial establishments, air cleaning systems run continuously. That's why Smokeeaters are built to provide years of service, even under the most demanding applications. Along with impeccable performance, the durability of the unit's equipment is demonstrated by years of dependable service.

Smokeeater air cleaners use less energy and are 35% more effective in capturing submicronic particles than media units, which use more horsepower and cost more to operate and maintain. Plus, the low horsepower requirement of Smokeeaters reduces noise from the motor/blower.

*These units have twice as much collection surface area as other ESP air cleaners, allowing for longer time periods between cleanings.*

## COMMON APPLICATIONS

- Animal Care Facilities
- Auto Body Shops
- Bars
- Bingo Halls
- Bowling Centers
- Break Rooms/Cafeterias
- Fraternal Organizations
- Healthcare Facilities
- Nursing Homes
- Offices
- Print Shops
- Race Tracks
- Residences
- Restaurants
- Schools



## SMOKEETER FAMILY

United Air Specialists offers a complete line of Smokeeter products to combat all indoor air quality problems—regardless of the size of the room or application. All Smokeeter air cleaners are self-contained, two-stage electrostatic precipitators specifically designed to remove tobacco smoke, dust, pollen, bacteria and other contaminants from the air. A UAS Distributor can help recommend which unit(s) are right for your establishment based on room configuration and size.

### TABLETOP OR WALL-MOUNT UNIT



SE 20

The **SE 20** is a highly efficient, compact electronic air cleaner designed for tabletop use or wall mounting. It is ideal for very small room settings

and can easily be moved from one location to another. The SE 20 offers two speed settings and is available with a standard carbon after-filter to help control odors.

### CEILING- AND WALL-MOUNT UNITS



SE 40

The **SE 40** and **SE 50** are the most popular units in the Smokeeter line. These rectangular systems are designed to

clean air individually or in conjunction with other Smokeeters by creating efficient airflow patterns.

Both systems offer multiple speed settings and a carbon after-filter for odor control. The SE 40 and SE 50 are ideal for facilities that don't have space above the ceiling.



SE 50

### FLUSH-MOUNT UNIT



SE 24

The **SE 24** is a compact system that fits into a 2' x 4' suspended tile ceiling. For the more aesthetically conscious environment, this unit blends into the ceiling and offers easy access for routine service and maintenance. Like many other Smokeeters, the SE 24 includes a carbon after-filter as well as a speed control switch to adjust desired airflow.

### CONCEALED CEILING SYSTEMS



FS

Smokeeter **FS** and **LS** models are also ideal for locations where aesthetics are important, because they are

installed above the ceiling and are virtually out of sight.

Just the supply and return grilles show (shown on last page). FS and LS models operate more quietly than other large-capacity air



LS

cleaners and can be ducted to multiple rooms because they are concealed.

## MISCELLANEOUS ACCESSORIES

- Carbon Filters
- Drain Loop Trap
- Smokeeter Detergent
- Wireless Remote Control



Clean air. It's what we do.™

## FEATURES AND BENEFITS

### *Cabinet*

Easy access cabinet is made of 18-gauge steel for durability.

### *Ionizer\**

Electronically charges particles.

### *Collection Cell\**

Deepest plate design in the industry collects electronically charged contaminants.

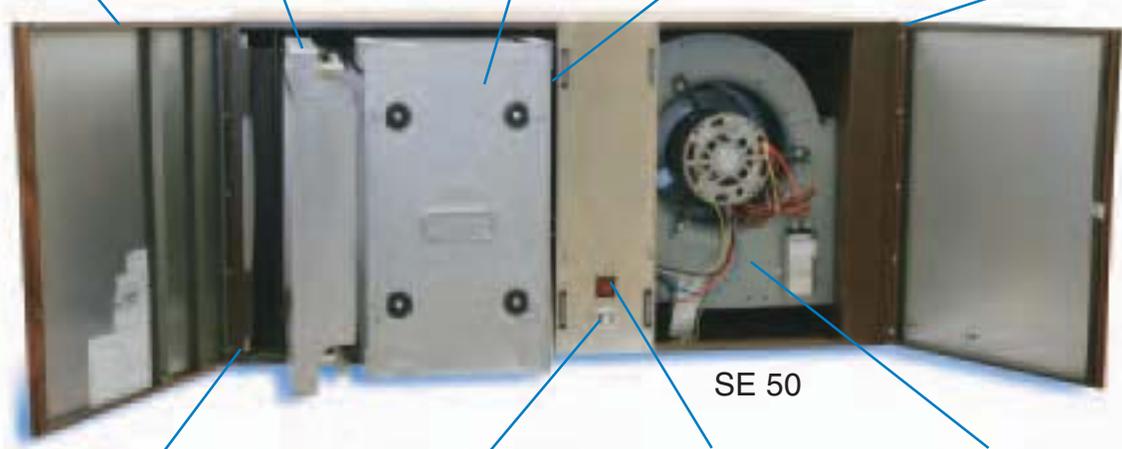
### *After-Filter*

Activated carbon after-filter helps control odors.

### *Outlet*

### *Diffuser Grille*

Four-way adjustable diffusing vanes create the most effective air pattern.



### *Prefilter*

Layered aluminum mesh screens capture large airborne particles as they enter the unit.

### *Multi-Speed Control*

Switch provides multiple blower speed adjustments to control noise levels during peak and off-peak business hours.

### *Indicator Light*

Illuminates when unit is working properly and automatically shuts off when components need servicing.

### *Motor/Blower*

Specially mounted to cabinet for noise reduction, the motor/blower generates air movement in and out of the unit.



\* Some units use a Unicell, which is an Ionizer and Collection Cell in one component.

## SPECIFICATIONS

Model	Dimensions			Hanging Weight (lbs)	Color	CFM	Motor (HP)	Amps	Mounting Method
	Length	Width	Height						
SE 20	19-1/4"	15-1/2"	13"	39.5	Oyster	200-340	1/8	1.2	Tabletop/Wall
SE 40	40-1/4"	20-7/8"	12-7/8"	113	Wood Grain	450-950	1/4	6	Ceiling/Wall
SE 50	40-1/4"	19-1/2"	20"	138	Wood Grain	600-1,500	1/2	7	Ceiling/Wall
SE 24	46-5/8"	22-7/8"	17"	118	Oyster	350-1,020	1/2	6.4	Flush Mount
FS	46-5/8"	20-5/8"	14-1/4"	102	N/A	440-900	1/4	6	Concealed
LS	46-1/2"	19-5/16"	21"	150	N/A	600-1,500	1/2	7	Concealed

All units are wired 115/1/60.

## HOW CONCEALED SMOKEETERS WORK

FS and LS concealed Smokeeter systems are an innovative concept in electronic air cleaners. Their flexibility enables these units to adapt to any situation or room configuration to effectively solve your particular air cleaning needs.

As shown below, dirty air is drawn into the FS or LS Smokeeter system through waffle-shaped inlet grilles, or Return Air Assemblies, located in two different areas. The air flows through Aluminized Flexible Ductwork and is directed to the Smokeeter via a Wye Connection. Once inside the FS or LS, pollutants and other harmful

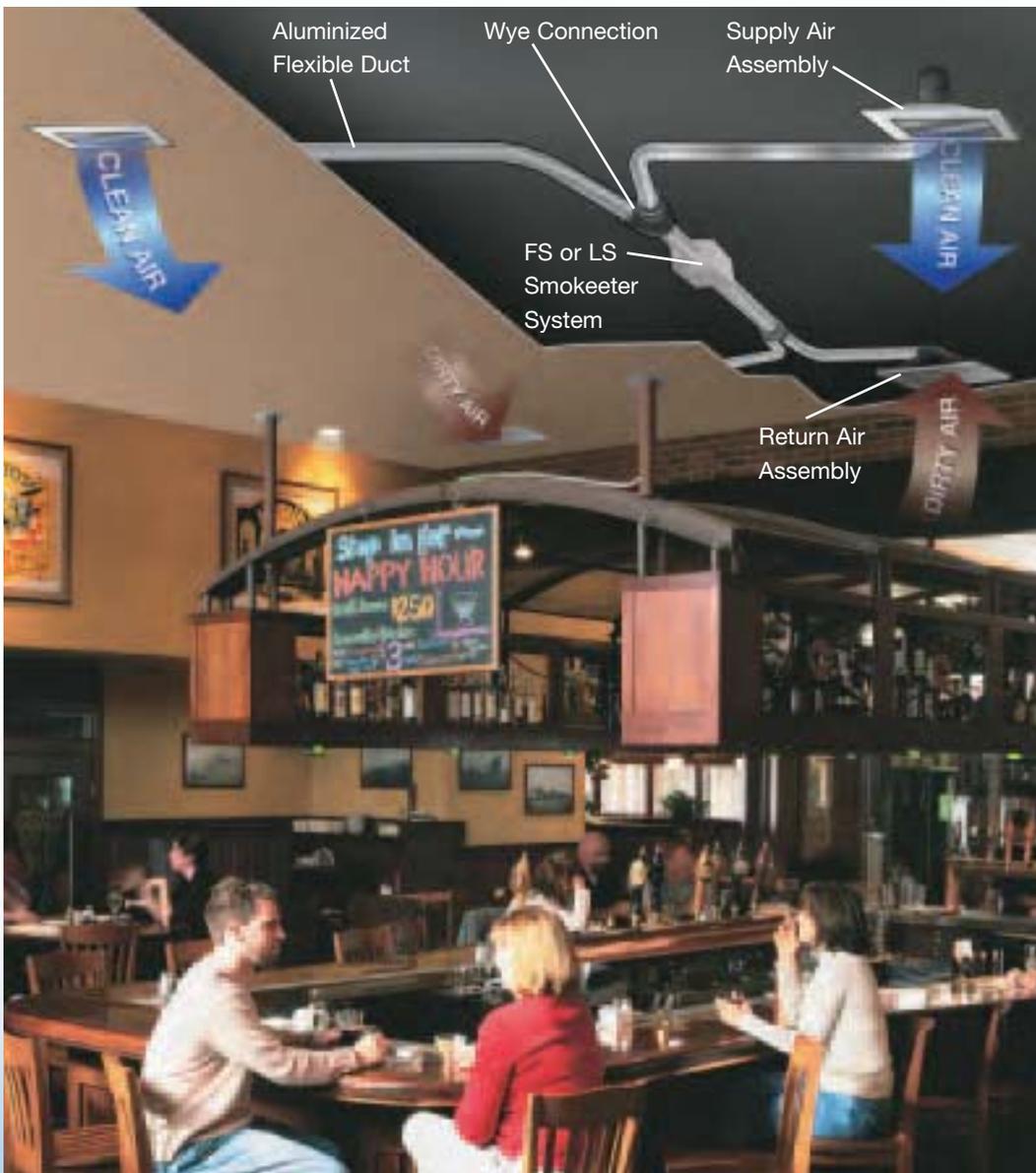
contaminants are removed from the air stream. Next, clean air is sent through more ductwork and another Wye Connection, where it is discharged into different locations through louvered outlet grilles, or Supply Air Assemblies.

## ADDITIONAL CONCEALED SYSTEM

UAS also offers the Crystal-Aire® concealed air cleaner. This modular system is much like Smokeeter in that it removes smoke, bacteria and other harmful pollutants from the air. However, Crystal-Aire offers the flexibility to

add various modules to the Motor/Blower section to meet specific needs in environments such as extremely heavy smoke, pervasive odors and certain building code requirements.

Available modules include ESP, Bag Filter, Box Filter, Fresh Air Inlet, Odor Control and Germicidal Ultraviolet. A UAS Distributor can provide more information on the Crystal-Aire concealed air cleaning system.



Clean air. It's what we do.™

# CONCEALED SYSTEM ACCESSORIES

The standard components of FS and LS concealed Smokeeater systems are the air cleaning mechanism itself and a wall-mounted remote control switch. It's the wide variety of accessories that make these air cleaners custom tailor to any room configuration.

## CARBON PLENUM

The carbon module, or plenum, holds carbon and is used to combat strong, pervasive odors.

- Twenty-gauge steel cabinet
- FS has 4 trays and holds 12 lbs. of carbon; LS has 6 trays and holds 18 lbs. of carbon.
- FS offers 10" inlet/outlet collars and LS offers 16" inlet/outlet collars. This allows the Carbon Plenum to connect to flexible or hard duct.



## SUPPLY AIR ASSEMBLY

The Supply Air Assembly, or outlet grille, recirculates clean air into the room. It features a white enamel finish to blend with the ceiling and adjustable louvers.

Supply Air Assemblies are available in these sizes:

- 24" x 24" T-bar (12" x 12" grille) with 8" elbow
- 24" x 24" T-bar (12" x 12" grille) with 10" elbow



## ALUMINIZED FLEXIBLE DUCT

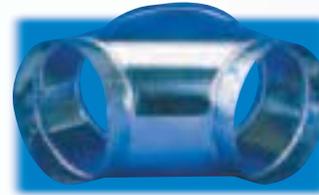
The Aluminized Flexible Duct allows users to channel air up to 25'. It is made of UL-listed aluminum polyester laminate with encapsulated galvanized steel wire, and can be compressed into just 32". Aluminized Flexible Duct is available in the following sizes:

- 8" x 25'
- 10" x 25'
- 16" x 25'



## WYE CONNECTION

The Wye Connection is a device used to direct air to more than one area of a room. This transition piece can accept sheet metal or flexible duct.



Available sizes include:

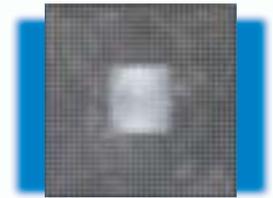
- 16" inlet with two 10" wye connections
- 16" inlet with three 8" wye connections
- 10" inlet with two 8" wye connections

## RETURN AIR ASSEMBLY

Designed to draw air into a concealed Smokeeater, the Return Air Assembly, or inlet grille, is made up of molded fiberglass plenum with scrim

reinforced foil back and square-to-round collars. The molded white polystyrene eggcrate is 24" x 24" T-bar drop-in with 1/2" x 1/2" grid spacing.

- 24" x 24" T-bar (12" x 12" grille) with 8" elbow
- 24" x 24" T-bar (12" x 12" grille) with 10" elbow



## REMOTE SWITCH ASSEMBLY

A standard accessory with concealed Smokeeaters, the Remote Switch Assembly features a wall-mounted remote control with on/off switch and indicator light.

The switch can be changed to an optional multiple speed control (shown), and the lamp notifies users when the unit needs to be serviced.



## WHY CHOOSE UNITED AIR SPECIALISTS?

**A world-renowned reputation.** For more than 35 years, we've been the industry leader in air quality technology — a proven track record that speaks for itself.

**Commitment to quality products.** Measuring our quality against documented expectations, we practice continuous improvement methods to anticipate challenges and implement successful solutions.

**Unparalleled customer support.** As a customer-driven solutions provider, we earn credibility and establish successful relationships by exceeding expectations for professional service and attitude.

**Innovative technical leadership.** Always, we keep technology at the forefront — ensuring continuous product advancements through ongoing investments in design and manufacturing.

## **AIR CLEANING SPECIALISTS, INC.**

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