



- (Contact Limitation & Eradication of Airborne Noxious Systems)
- 3 layers of passenger and driver protection
- Includes new & pre-owned coach and service offers

# ABC CLEANS Products & Services



Interior sanitization/disinfection



HVAC Filter and UV Light Purification Systems



Contact partitions & passenger hygiene

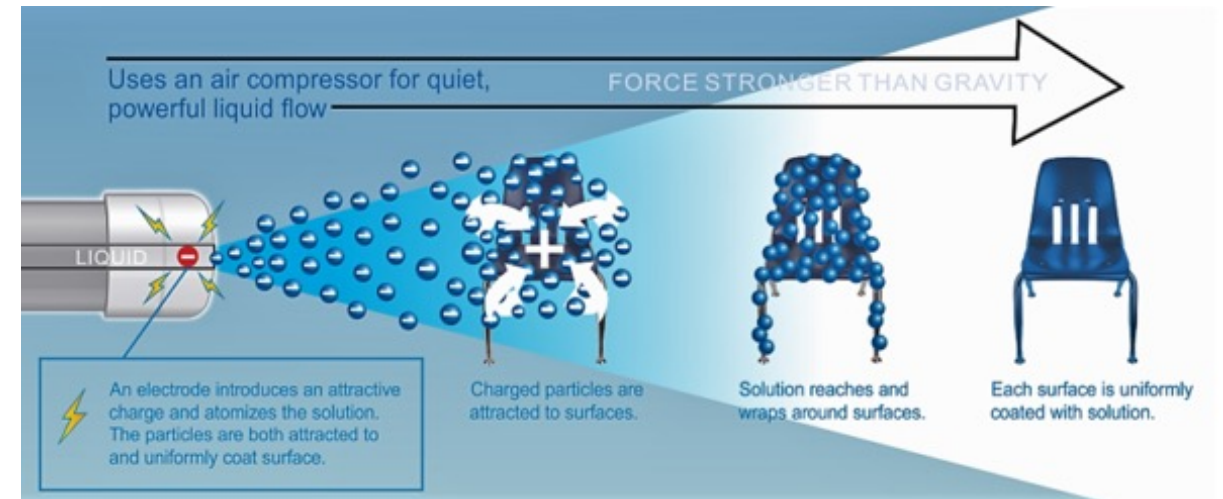
# Interior sanitization/disinfection



## Electrostatic fogging of coach interior

- 99.994% Reduction in Virus Control
- EPA approved water-soluble disinfectant also used in commercial airlines
- Solution is electrically charged allowing uniform coating and “wraparound” distribution on surfaces
- Services conducted by ABC on site or at customer location

Cost: 45' / 35' / Double Deck



# Interior sanitization/disinfection



## RED ULV Fogger (U120)

- Electrically Charged Solution Allowing “Wraparound” Distribution on all Surfaces
  - Droplet Size: 15-32 microns
  - Solution Tank: 1.32 gallons
  - Fogging Distance: 39 feet
  - Shoulder Strap: 2” Wide
  - Electric Motor: 100V, 700W, 38000rpm
  - Flow Rate: 0-13.53 oz/min
  - Hose Length: 20”
  - Weight: 9.7lbs (with hose)
  - Dimensions: 14” x 16” x 11” +hose



Part Number	Description	Price
ABC-14677	Sprayer, ULV – U120 Red	\$650.00



# Interior sanitization/disinfection



## BLUE ULV Fogger (U110)

- Electrically Charged Solution Allowing “Wraparound” Distribution on all Surfaces
- Droplet Size: 15-25 microns
- Solution Tank: 1.32 gallons
- Fogging Distance: 39 feet
- Shoulder Strap: 2” Wide
- Electric Motor: 110V, 700W, 38000rpm
- Flow Rate: 0-5.07 oz/min
- Hose Length: n/a
- Weight 6.8lbs
- Dimensions: 14” x 13” x 17”

Part Number	Description	Price
ABC-14676	Sprayer, ULV – U110 Blue	\$650.00



# HVAC purification systems



## Upgraded cabin filter system, MERV 15 (new and retro)

- 100% synthetic media is highly effective at removing 0.3 - 10.0 micron particles from the air stream
- Removes airborne pathogens, mold, and pollen from the airstream
- Resists moisture and microbial growth
- High dust loading for maximum service life while reducing airflow resistance
- Withstands prolonged exposure to high temperature, high humidity, and consistent UV exposure
- Can be installed in existing systems

Available Now (only for CX & TX Models)

Part Number	Description
PN 11384473ABC	Filter, Evaporator – MERV 15



# HVAC purification systems



## UV light HVAC disinfection system (new and retro)

- Eliminates 90% of microbial contaminants after 10 minutes of exposure and 99% after 1 hour
- Reduces maintenance of HVAC system components
- UV Light installed within the HVAC System
- Can be installed in existing systems

Cost: \$2,399 installed / \$1,631 parts only (before taxes and fees)

Available: 6-8 weeks delivery. Back orders being taken and prioritized

### Inactivation (sterilization) rates after 18000 hours

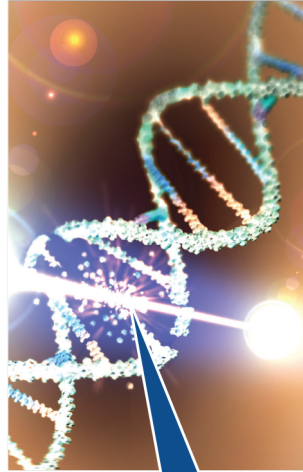
Microorganism	Single Pass		
	Minimum	Average	LOG Average
Coronavirus	78.33%	97.55%	1
Tuberculosis	57.88%	87.72%	0
Influenza A virus	38.21%	68.89%	0
Smallpox	46.19%	77.76%	0

Part Number	Description	Price
PN TUVB-BUS-246TF	Light, UV	\$815.30 each (2 per coach needed)



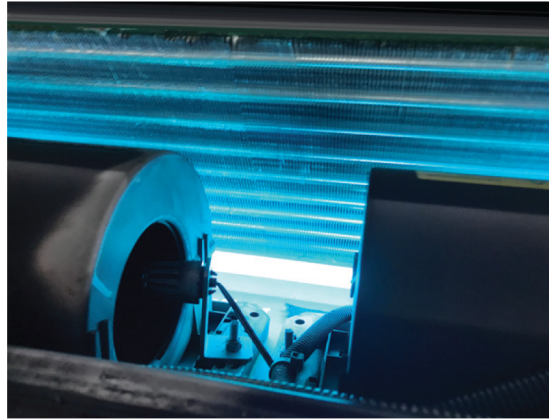


# HVAC purification systems

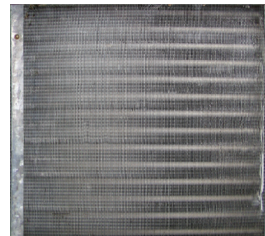


## How UV Light Works

UV-C light produced by the Fresh-Aire UV System penetrates the cell walls of micro-organisms causing cellular damage, which kills them by preventing them from reproducing.



Coil with mold



Coil after UV light application



## Simplified Maintenance

When UV-C lights are properly installed they can eliminate the need for coil and drain pan cleaning. Maintenance personnel are no longer exposed to disinfectants and other cleaning chemicals required for these tasks. Use of UV-C lights can result in a 99 percent reduction of the concentration of germs on irradiated surfaces within the A/C system

## Advanced Power Supply

Our 24-30 VDC power supply utilizes a high frequency electronic ballast design for stable lamp operation and increased lamp life. The power supply is compact and easily mounts in the tight confines of the A/C Cabinet.

## Teflon® Coated, Water-Resistant Lamps

The UV lamps are safety-coated with a Teflon® sleeve. They are water-resistant for mounting in wet locations such as the coil and drain pan. These TUV-246 UV-C lamps incorporate a durable shielded design that provides longer lamp life in all conditions.



# HVAC purification systems



## UV Purifier Vent

- Installed directly in the passenger compartment
- Easy assembly/mounting
- Modular and completely autonomous operation
- Continuous operation while driving
- No distraction on the efficiency of an existing air conditioning system
- Long-lasting almost maintenance-free operation: lamp replacement only after approximately 12,000 operating hours

Part Number	Description
ABC-17264	UV-C Unit – 24V
ABC-17265	UV-C Unit – 12V
ABC-17266	Replacement Bulb, UVC LED



# HVAC purification systems



## Bipolar Ionization

- Bipolar Ionization creates positive and negative oxygen ions to neutralize particulate matter
- Chemical free and can be used in the presence of passengers and staff
- Clinically proven effective at neutralizing particulate matter, bacteria, virus cells, odorous gases, aerosols, and VOCs
- Clinically tested and proven to neutralize MS2 Bacteriophage, a common surrogate for SARS-CoV-2 the virus causing COVID-19\*
- Integrated in the HVAC system for superior distribution throughout the coach with no equipment present in the passenger cabin
- Can be run when the coach is in operation, eliminating any down-time or additional interruption of service



# HVAC purification systems



## Bipolar Ionization

Part Number	Description
ABC-14873	Kit, Bipolar Ionization – Van Hool C2000
ABC-14883	Kit, Bipolar Ionization – Van Hool T2100
ABC-15793	Kit, Bipolar Ionization – Van Hool TDX
ABC-15876	Kit, Bipolar Ionization – MCI J4500
ABC-15790	Kit, Bipolar Ionization – MCI D4500
ABC-14944	Kit, Bipolar Ionization – Gillig
ABC-14944	Kit, Bipolar Ionization – New Flyer

**Warranty:** 3 Years

**Expected Life:** >10 Years

**Maintenance:** Quarterly inspection and cleaning required



# ***HVAC purification systems***



## **Factory HEPA filtration**

- Captures 99.9% of Particles (bacteria, fungi and larger viruses or virus clumps)

Cost: Priced per coach configuration at time of sale

Available: Factory order



**CLEANS**<sup>™</sup>  
Sanitization and Disinfection Solutions



# Contact partitions & passenger hygiene



Passenger Protection\*

**SARDO**

## Removable protective shield

- Clear plastic barrier
- Easy disinfecting and cleaning
- Snaps into position for easy installation and removal

Cost: \$29.95 per 2 seat section

Available:

**SARDO**  
BUS & COACH UPHOLSTERY

1-800-654-3824

Visit us at [www.sardobus.com](http://www.sardobus.com)

\*Patent Pending



**CLEANS**™

Sanitization and Disinfection Solutions





# Contact partitions & passenger hygiene



Passenger Protection\*

## SARDO

Removable protective shield



Ceiling Mounted  
Snaps



Each Seat can Recline  
Independently

\*Patent  
Pending



# Contact partitions & passenger hygiene



## Passenger Protection

### Vertical Social Distancing Bands

- Fits Most Seat Makes and Models
- Easy Installation and Removal
- Vinyl Material for Easy Maintenance
- Available From **SARDO**



**CLEANS**™

Sanitization and Disinfection Solutions

# Contact partitions & passenger hygiene



## Passenger Protection

### Horizontal Social Distancing Bands

- ▶ Fits All Seat Makes and Models
- ▶ Easy Installation and Removal
- ▶ Velcro Connector
- Vinyl Material for Easy Maintenance
- Available From **SARDO**



**CLEANS**<sup>™</sup>  
Sanitization and Disinfection Solutions

# Contact partitions & passenger hygiene



## Passenger Protection

### Seatbelt Social Distancing Bands

- Fits All Seat Makes and Models
- Easy Installation and Removal
- Velcro Connector
- Vinyl Material for Easy Maintenance
- Available From **SARDO**



# Contact partitions & passenger hygiene



## Passenger Protection

### Hand sanitizer stations

- Can be installed at multiple locations throughout coach

Cost : \$55 (Base + 6 bottles)



Part Number	Description	Price
PN ABC-10097	Hand Sanitizer, Alcohol-1 Case	\$35.53 each (6 bottles per case)
PN ABC-14285	Base, Hand Sanitizer	\$24.00 each (Sold individually)



# ***CLEANS support/marketing materials***

## **CLEANS Decal**

Size 5" x 7"

Available Now

Part Number	Price
ABC #14522 (CLEANS Decal)	\$0.25



# ***CLEANS support/marketing materials***

## **CLEANS Decal**

Size 6" x 1.6"

Available Now

Part Number	Price
ABC #14523 (Decal, CLEANS Sanitized)	\$0.10

