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Model Number: AC139

Bactronix AC139, BactroCase ESS-SC-EB Electrostatic Sprayer, 35psi 110volt 1666-2619, All Orders Final In Stock HydroForce

Manufacturer: Bactronix Corp

Bactronix Electrostatic Sprayer 35psi 110volt 1666-2619 BactroCase ESS-SC-EB Freight Included

HydroForce AC139

<https://youtu.be/jPliFIgEWYU>

In stock!

All sales final.

BactroCase Electrostatic Sprayer ESS-SC-EB

Covid-19 supplies are non-returnable.

Reduce chemical usage, increase productivity, and ensure adequate coverage with our portable electrostatic sprayer.

- Ideal for applying disinfectants and microbial protectors
- Compact design
- Durable polyresin case has wheels and extendable handle for easy transport
- Includes one electrostatic spray gun and air compressor

Technical Specifications

Nozzles

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External air supply required

No

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Electricity required  
110V

Carrying capacity  
Dual 1 Liter Nalgene Bottles

Size  
22"H x 16"W x 10"D

Hose length  
30 ft.

Electrical cord  
10 ft.

Weight  
48 lbs.

Flow rate  
1 gal/hr

Drop size  
40 micron VMD

Spray range  
Up to 8 ft.

Air compressor  
35 PSI

## What is an Air Assisted Electrostatic Sprayer?

At the tip of our electrostatic sprayer is a tiny electrode which applies an electrical charge to the spray. This electrical charging causes a natural force of attraction between the spray droplets and target surface, similar to the attraction between items of clothing created by the tumbling of a clothes dryer. The charge on the droplets is small, but the force pulling the spray towards the target is 75 times greater than the force of gravity. Droplets literally reverse direction and move upwards, against

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gravity, when passing a target surface. This remarkable phenomenon by which the spray coats the undersides and the backsides of the spray target is known as electrostatic 'wraparound'. This wraparound ability allows your chemical to reach the underside, backside and penetrate nooks and crannies of your target surface.

What is an Electrostatic Sprayer Used For?

An electrostatic sprayer is used for applying disinfectants, pesticides and other applications where the user needs to use as little chemical as possible, and yet achieve complete coverage.

Importance of Droplet Size

The ability to reach the underside, back and crevices of target areas would not be possible if the droplets coming out of an electrostatic sprayer were the same size as that found in a standard sprayer. The droplets coming out of the electrostatic sprayer are 900 times smaller than those coming out of a traditional sprayer. These tiny droplets are blown toward the spray target in a high-speed air stream (this is the 'air-assist'). The result of these fine droplet sizes is a doubling of the deposition efficiency of an electrostatic sprayer compared to a traditional sprayer.

Benefits of Electrostatic Spraying

**COST SAVINGS** - A traditional sprayer requires that you drench surfaces with chemical to get adequate coverage across the entire surface. An electrostatic sprayer; however, "seeks out" and evenly coats surfaces using a fraction of the chemical required by standard sprayers. How much can an electrostatic sprayer save you over the course of a year? A gallon of Benefect / BotaniClean costs \$39.99. An average customer will use around 50 gallons for a yearly cost of \$1,995. Reducing this to 25 gallons a year will save you almost \$1,000, and that's just one chemical!

The graph below shows how much better deposition is on a complex textured surface like a chrysanthemum using an electrostatic sprayer compared to a 'wet' sprayer. The deposition of the chemical was 3.5 times greater when using the electrostatic sprayer highlighting its ability to 'seek out' the entire targeted surface.

**PEACE OF MIND** - When applying disinfectants it's crucial to achieve adequate coverage of contaminated surfaces. The combination of use of the electrostatic sprayer and ATP testing ([hyperlink to ATP meter AC8461](#)) use of become a powerful combination to assure yourself, and more importantly, your customer, that their surfaces have been treated adequately.

COMPARISON OF ELECTROSTATIC SPRAYER TO STANDARD SPRAYER

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Test object prior to spraying with an electrostatic sprayer

STANDARD SPRAYER - Test object after application with a normal sprayer. Notice that the object is only covered on the side that faces the spray nozzle.

ELECTROSTATIC SPRAYER - Test object after being sprayed with an electrostatic sprayer. Notice that ENTIRE surface is covered despite only spraying from ONE side. Additionally, only half of the chemical was required to coat the entire surface, not just the front half.

What Chemicals Can be Used in the Electrostatic Sprayer?

For the sprayer to work effectively, dilute water-based chemicals must be used. Extremely viscous liquids or organic solvents will not work properly and may even ruin the sprayer.

Compare to current or past OEM associations:

ESS SC-ET

AC129

3550

1666-2619

G8637011

SC-ET HD

121666

B00G6KR6GE

ES-XT3EA

XT-3

SC-EB

EPA.Gov Recommendation for this Sprayer

Sales Brochure (220 volt version)

Owners Manual

- This unit is recommended for quick, light duty applications, up to 5,000 sq. ft.
- Portable, totally enclosed unit with built-in compressor is only 22" H x 15" W x 12" D
- Unit has a built-in 1 gallon tank, allowing for approximately 1 hour spray time. Tank is removable.
- System includes 15 ft. of hose with a patented single port electrostatic (battery operated) spray gun.
- System includes a battery charger.
- Droplet size: approximately 40 microns with an attraction force of 75 times that of gravity.
- Durable wheeled case with expandable handle is included.

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- Compatible with all conventional water-based chemicals, insecticides and fungicides.
- Electrical requirements: 110V/1 ph/60 Hz.
- Unit flow rate: 1 gal. / hr.
- Spray range: 8 ft.
- Airline pressure: 26 psi
- Shipping weight: 60 lbs.

Even if this item shows up and this pandemic is over, you will still need the sprayer for the next pandemic.

Read:

<https://www.steam-bright.net/forum/restoration-equipment/ozone-generators-and-uv-emitters/21241-pandemic-time-line-are-you-ready-for-the-next-event>

Optional  
COVID-19 Coronavirus Prevention and treatment Procedures Cleaners and Supplies Step By Step 11136038

Optional

Victory Innovations 42125178 Chlorinated Disinfecting Sanitizer Electrostatic Sprayer Tables 120 Count Concentrate CDt6.55 BP 500

740-668-2877 / brewstertravel@yahoo.com  
210-318-5026 / 1deltonray@gmail.com  
804-693-5587 / rglaze@dependablepestcontrol.com see notes on inv 78010

20201007 price match  
Discountcleanproducts.com \$2990.00

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*Availability: This product was added to our catalog on Wednesday 18 September, 2013*