



Curtis Dyna-Fog Products Professional Vector Control Equipment Catalog 2015-1



Curtis Dyna-Fog a Division of B&G Equipment Company
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678-688-5601 • www.bgequip.com



Russell Curtis, founder of Curtis Dyna-Fog.

History of Curtis Dyna-Fog

Innovators of Spraying and Fogging Technology Since 1947

Curtis Dyna-Fog, Ltd. was founded in 1947 in Dayton, Ohio by Russell R. Curtis and his father W.H. Curtis. Originally named Curtis Automotive Devices, the company specialized in manufacturing valves for the automotive and aircraft industry. Before joining his father in business, Russell Curtis attended the University of Cincinnati where he graduated in Aeronautical Engineering and later completed a cooperative work program at Wright Airfield (now Wright Patterson Air Force Base). At the time, Wright Airfield was the center of all aircraft technology. In 1952 Curtis Automotive Devices moved to Bedford, Indiana to be closer in proximity to its major customers. The company began producing other types of components for the aircraft industry and began doing some development work using acquired Pulse-Jet Engine Technology. During Russell Curtis' employment at Wright Airfield in Dayton he was first exposed to a Pulse-Jet Engine, a unique device used to power the German V1 rockets during the war. The Pulse-Jet was comprised of the basic technology that would later be the foundation for his companies future.

Russell and his father continued working on the possibilities of producing a pulse-jet fogger for use in commercial applications. One of the first pulse-jet products they produced was the Dyna-Jet "Red Head" miniature engine for use in model rocketry. Initially developed in 1945 by a long time associate of Russell Curtis, William Tenney of Aeromarine Company, the Dyna-Jet once held the American Modelers Association land speed record at 179+ MPH! A speed amazing at the time, especially when only standard grade gasoline was available.

After years of refining existing designs, by 1954 the first commercially available pulse-jet mosquito fogger (The Curtis Junior Model) was being produced. In the first year more than 500 machines were sold throughout the country. By 1956, demand grew to the point where more than 4000 machines were being produced each year. As a result of increasing demand for the pulse-jet machines, Russell Curtis moved the company in 1958 into a newly constructed 20,000 square foot facility in Westfield, Indiana.

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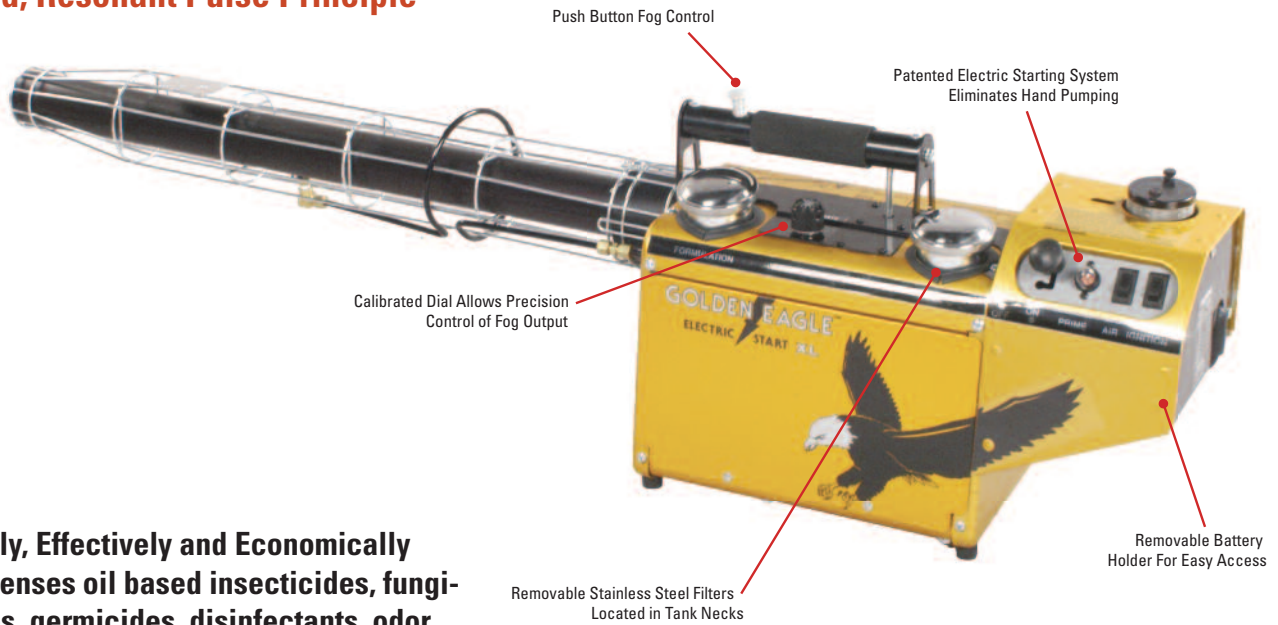


SALES AND TECHNICAL SUPPORT
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MANUFACTURING FACILITY
525 Park Street
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Golden Eagle Electric Start XL

Thermal Aerosol-Fog Petroleum-Based, Resonant Pulse Principle



- **Easily, Effectively and Economically dispenses oil based insecticides, fungicides, germicides, disinfectants, odor control and other chemical products.**

For Professional Use

The Golden Eagle features a revolutionary new electric starting system to assure greater reliability, effectiveness, fuel efficiency and ease of operation eliminating the need for manual starting.

No other chemical applicator dispenses oil based insecticides, fungicides, germicides, disinfectants, odor control and other chemical products as easily, effectively and economically. No other aerosol generator enjoys such world-wide acclaim. Golden Eagle, the portable powerhouse that excels on application problems where other machines fail: for those hard-to-reach areas indoors or outdoors, and for the little as well as the large jobs such as mosquito control to combat malaria and dengue fever.

And finally for its size, no other machine surpasses the Golden Eagle's application capacity or its speed in completing difficult chemical application jobs: warehouses, factories, food processing plants, greenhouses, parks, camp-grounds cattle barns, swine/poultry houses, grain mills shopping centers, schools, restaurants, apartment complexes, hotels and much more.

A special backpack version is available for small scale applications of fungicide to certain tree crops such as: rubber, oil palm and cocoa.

Golden Eagle Control Panel



SPECIFICATIONS

Formulation Output:	0-9 gal/hr, or 0-34 liters/hr, over 57,000 cubic foot (1600 cubic meter) effective fog per minute.
Engine Performance:	30 Hp, or 22KW , or 18,900 kcal/hr.
Fuel Consumption:	0.5 GPH or 1.9 liters/hr
Weight (Empty):	19 lbs. or 8.6 kg
Weight (Full):	27 lbs. or 12.2 kg
Fuel tank:	1.2 qts or 1.0 liter
Formulation Tank:	1.1 gallon or 4.2 liters
Power Supply:	Eight 1.5 V "D" size alkaline batteries A portable/rechargeable 12V DC battery (optional). Any 12 V DC vehicle battery (connect to cigarette lighter receptacle with auxiliary start battery cable) supplied with machine.

Length:	52 in or 132 cm.
Width:	9.5 in or 24.1 cm
Height:	14.5 in or 36.8 cm
Fog Particle size:	0.5 - 50 microns

SHIPPING DATA:

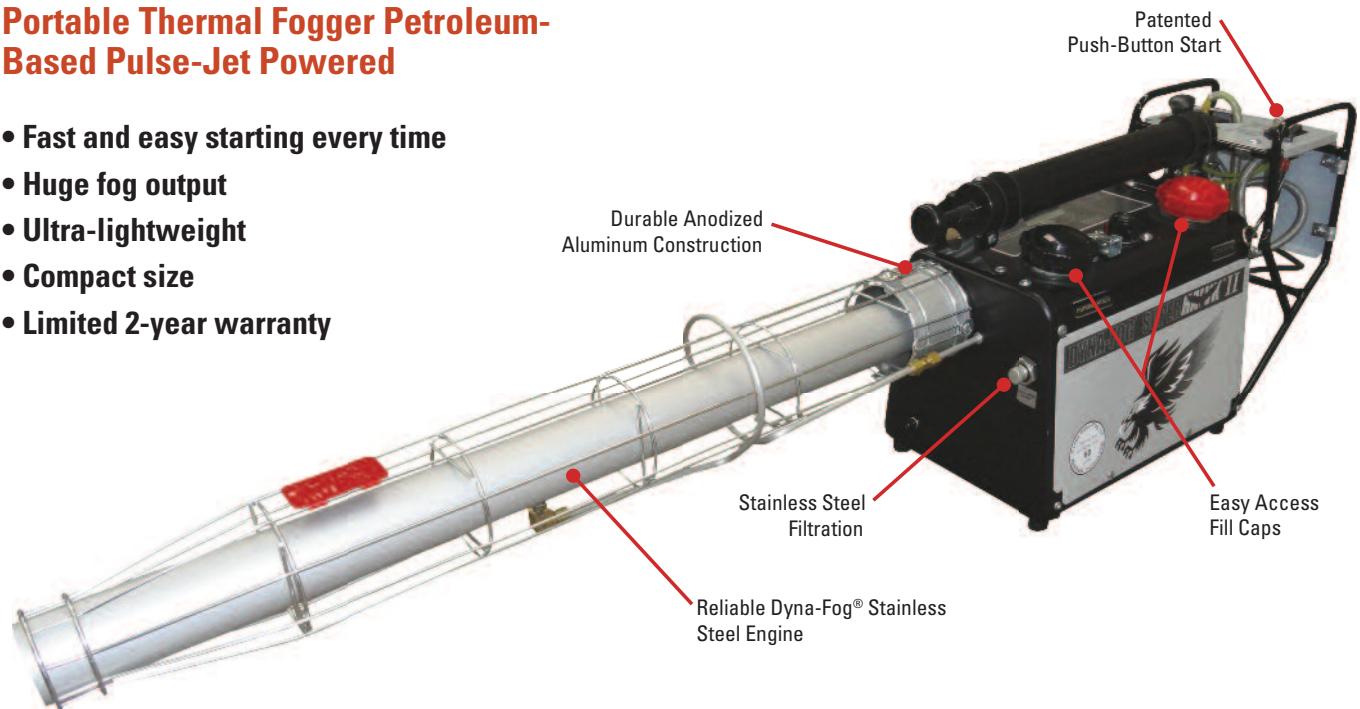
L x W x H 55 x 11 x 16 (in) or 140 x 28 x 41 (cm)
 Weight: 32 lbs. or 14.5 kg
 Volume: 5.6 Cu. Ft or 0.15 cu. M.

Part #	Description
58500	Golden Eagle Electric Start XL
58500-20	Golden Eagle 2610, Series 3

Superhawk II

Portable Thermal Fogger Petroleum-Based Pulse-Jet Powered

- Fast and easy starting every time
- Huge fog output
- Ultra-lightweight
- Compact size
- Limited 2-year warranty



For Professional Use

Compact, ultra-light-weight and powerful, the Superhawk product line offers yet another option for Public Health officials and other industry professionals. Powered by the same reliable Dyna-Fog® stainless steel engine, the Superhawk remains the machine of choice by Health Ministry professionals, Mosquito Control Departments, Pest Control operators and others.

The Superhawk's ultra-light-weight design and ability to produce large volumes of dense fog make the Superhawk ideal for use in both local and remote areas. Built to rigid quality standards and backed by more than 65 years in the industry, the Superhawk continues to be an essential part of any program where performance, simplicity and reliability are required.

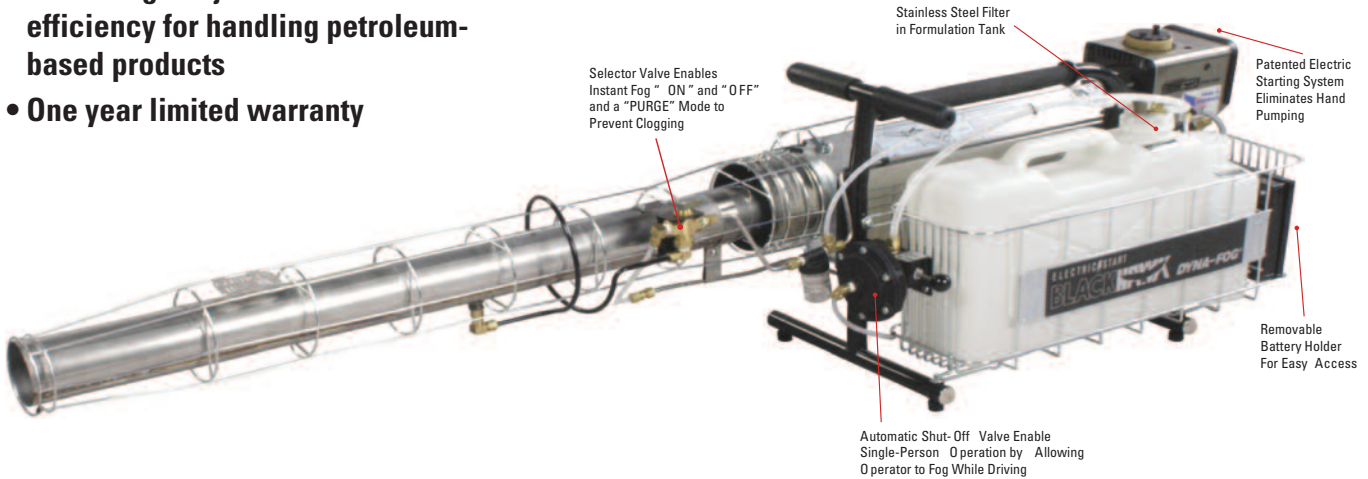
Part #	Description
58800-20	Superhawk orifice - export only
58800-1	Superhawk metering - export only

SPECIFICATIONS:	SUPERHAWK II
Performance Of Combustion Engine:	22 KW., 18,900 KCal/hr., 30 HP.
Solution Output:	0-42 L/hr. 0-11 U.S. Gal/hr. Produces 76,000 cubic feet (2200 cubic meters) of effective output per minute
Flow Control:	Metering Valve
Solution Tank Capacity:	4.5 liters (1.2 gallons)
Solution Tank Construction:	Aluminum
Solution Tank Pressure:	0.28 Bar. (4 PSI.)
Gasoline Tank Capacity:	1.1 liters (0.3 gallons)
Gasoline Tank Construction:	Aluminum
Gasoline Tank Pressure:	Vented, Non-Pressurized
Gasoline Consumption:	1.9 L/hr. (0.5 Gal/hr.)
Ignition Source:	"Buzzer" coil
Battery:	12 VDC; (8) 1.5V "D" Size. With Auxiliary Start (Cigarette Lighter Cable)
Fog Particle Size:	0.5 - 50 Microns (VMD.)
Weight (Empty):	7.5 kilograms (16.5 pounds)
Dimensions (cm):	132 X 24 X 36 (L X W X H)
Dimensions (inches):	52 X 9 X 14 (L X W X H)
Shipping Size (cm):	140 X 28 X 41 (L X W X H)
Shipping Size (inches):	55 X 11 X 16 (L X W X H)
Shipping Weight:	14.5 kilograms, 32 pounds
Shipping Volume:	.16 cubic meters, 5.6 cubic feet
Options:	Interchangeable Orifice
Sewer and leak detection attachment available	

Blackhawk Electric Start

Thermal Aerosol-Fog Petroleum-Based, Resonant Pulse Principle

- The Blackhawk is designed for a wide range of jobs with maximum efficiency for handling petroleum-based products
- One year limited warranty



For Professional Use

The Blackhawk was designed for a wide range of jobs with maximum efficiency for handling petroleum-based products. The Blackhawk is capable of dispersing disinfectants, deodorizers, germicides and insecticides for application in greenhouses, a wide range of warehouses and for outdoor pest control in parks, gardens and golf courses.

The Blackhawk's simple, innovative design reduces unit maintenance and will provide years of rugged, reliable performance. Up to 18 gallons per hour capacity, rugged construction, easy maintenance and our patented electric starting system assures greater reliability, effectiveness, fuel efficiency and ease of operation. The machine is also equipped with an easy to clean stainless steel formulation filter that keeps the system free of unwanted dirt and residue.

SPECIFICATIONS

Formulation Output:	0-18 gal/hr, or 0-68.4 liters/hr. Produces 114,000 cubic feet (3200 cubic meters) of effective output per minute
Engine Performance:	44 Hp, or 33KW
Fuel Consumption:	0.6 GPH or 2.3 liters/hr
Weight (Empty):	41 lbs. or 18.6 kg
Weight (Full):	75 lbs. or 34.1 kg
Fuel Tank Capacity:	0.5 gallon or 1.9 liters
Formulation Tank Capacity:	3 gallons or 11.4 liters
Power Supply:	Eight 1.5 V "D" size alkaline batteries or a 12 VDC automobile cigarette lighter adapter.
Length:	68.3 in or 173.5 cm.
Width:	15 in or 38.1 cm
Height:	16.8 in or 42.7 cm
Fog Particle size:	0.5 - 50 microns

SHIPPING DATA:

L x W x H: 71 x 19 x 20 (in) or 180 x 48 x 54 (cm)
 Weight: 73 lbs. or 33.11 kg
 Drum Kit: 8 lbs. or 3.6 kg
 Volume: 15.61Cu. Ft or 0.44 cu. M.;

Part #	Description
86550	Blackhawk Electric Start 2620, Series 2
86550-20	Blackhawk Electric Start Series 2

Trailblazer Electric Start

Portable Thermal Fogger

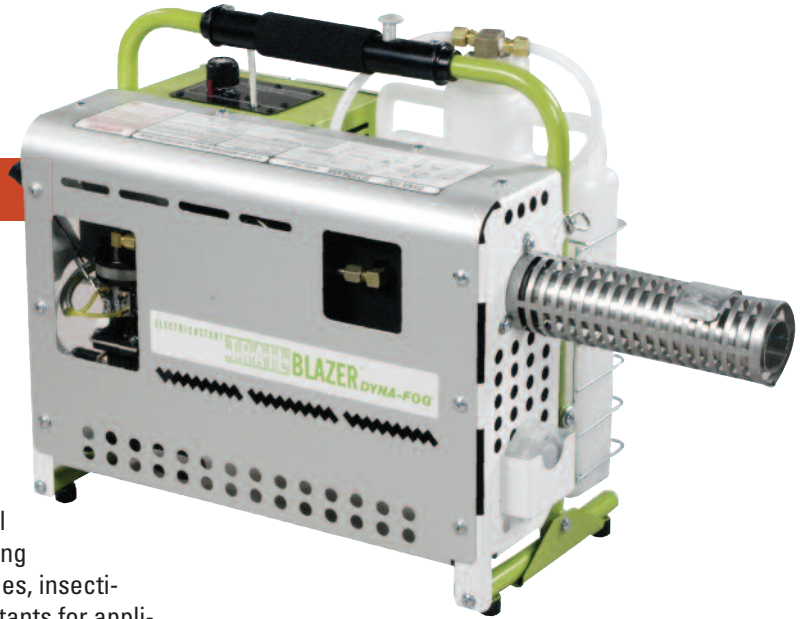
- **Stainless steel pulse-jet engine**
- **Rugged chemical-resistant polyethylene formulation and fuel tanks**

Engineered with the user in mind

Dyna-Fog Trailblazer is designed to dispense both petroleum and water-based products easier and more efficiently than other applicators.

For simple starting and operation, the Trailblazer features Dyna-Fog's patented 12 volt electric starting system to assure reliability, effectiveness, fuel efficiency and ease of operation. No pressurized gasoline tank required!

The Trailblazer produces a high output, non-residual thermal fog with virtually no carbon monoxide, making it ideal for applications such as: dispensing fungicides, insecticides, germicides disinfectants and odor counteractants for application in greenhouses, warehouses, factories, food processing plants, parks, campgrounds, cattlebarns, swine/poultry houses, grain mills, restaurants, hotel complexes and much more. The Trailblazer is also used by Health Ministries throughout the world for controlling mosquitos that transmit diseases like West Nile Virus, Encephalitis, Malaria, Dengue Fever, Yellow Fever and Chagas.



Part #	Description
43200	Trailblazer Electric Start
43400-20	Export Only Patriot

Patriot

Portable Thermal Fogger

- **Reliable performance**
- **Produces large volumes of fog**

Reliable performance for Mosquito Control Professionals

The PATRIOT'S patented Starting System even enables use in areas where poor quality gasoline is all that is available. Designed from over 50 years experience and built to the highest quality standards, the Patriot will give superior performance with simplicity and durability.

Produces more fog than any machine of its size in the world and can be started from a variety of battery sources.

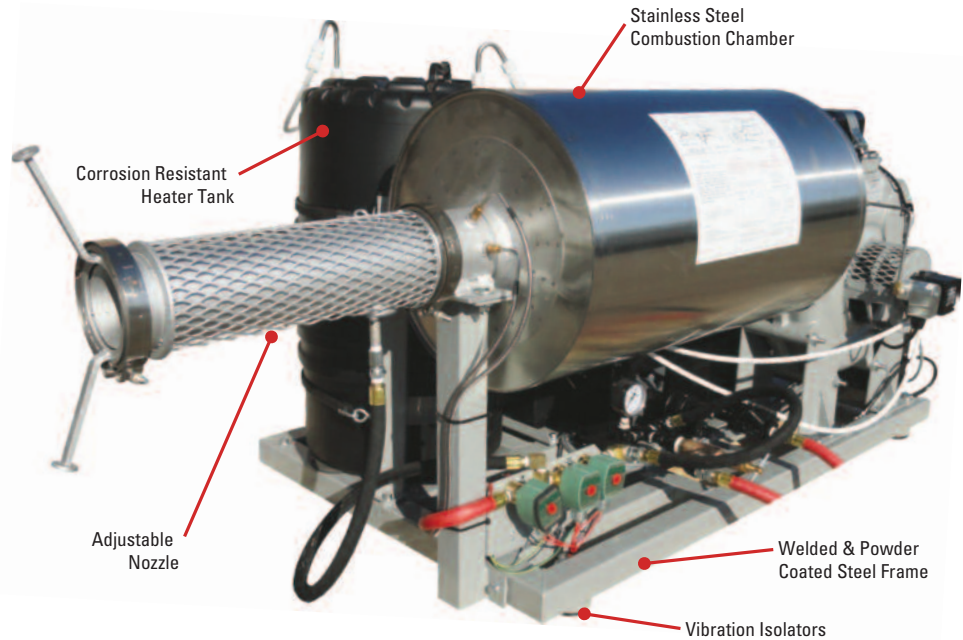
Patented Fuel Priming System eliminates need for pressurized fuel tank. A 12 volt starting system ensures reliable starting even when battery power declines!



Dyna-Fog Model 1200

The World's Standard for Maximum Fog Output

- **Faster coverage saves man hours & truck time.**
- **Instant display hour meter & temperature meter.**
- **Connects to a standard chemical drum.**
- **120 gal/hr (454 L/hour)** Enables you to fog three times faster than conventional vehicle mounted foggers.
- **Tremendous capacity is capable of covering 12 acres in one minute (49000 square meters per minute).**



Ultimate fog applicator for large areas

The model 1200's tremendous capacity of 120 gallons (454 liters) per hour makes it capable of blanketing mammoth areas with dense heavy fog that destroys insects and pests in a fraction of the time required by other equipment.

Fully equipped with remote controls, it can be started, the fog can be regulated, and the machine can be shut off from the cab of the vehicle. An hour meter, a temperature gauge, two 120 volt AC receptacles, a heavy duty 12 volt DC battery and controllable output are all regular equipment on the 1200.

No other machine combines an extremely low noise level (less than 70 decibals) with such an enormous fog output. The 1200 runs much quieter than a typical thermal fogger or cold fogger.

Removable Remote Control Box Features In-Cab Visual/Operating Capabilities for:



- **Remote Start**
- **Analog Temperature Gauge**
- **Controllable Output**
- **Heating Chamber On/Off**
- **Fog On/Off**

Part #	Description
49000	Dyna-Fog Model 1200
49000-20	Dyna-Fog Model 1200

SPECIFICATIONS:

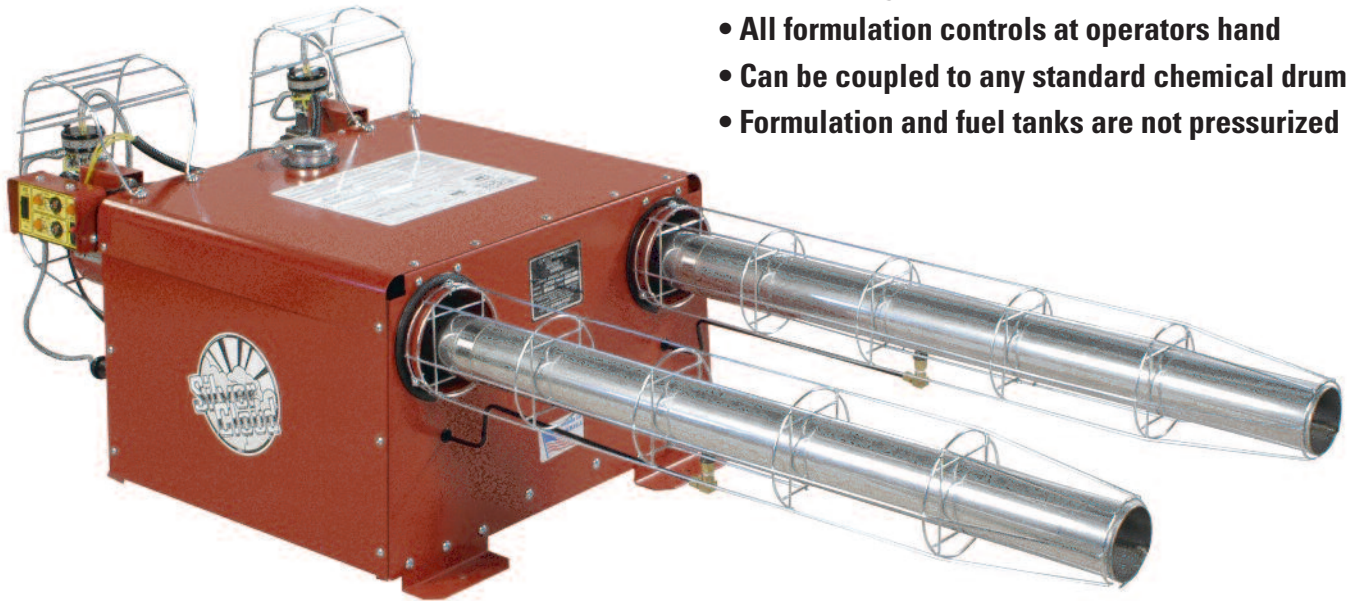
Engine:	Kohler 9.5 HP (277 cc), 4-Cycle, Overhead valve, gasoline powered, electric start. Optional: Honda 10.5 HP (344 cc), 4-cycle OHV or Yanmar Diesel.
Blower:	High Volume, centrifugal blower.
Fog Particle:	10-100 microns (VMD).
Pump:	Positive Displacement Gear Pump.
Output:	15-120 gallons/hour (57-454 L./hour).
Nozzles:	Adjustable high-volume output single nozzle. (2) 45 degree directional elbows with stainless clamps. Optional Cold Fog Kit comes with Rotary Nozzle.
Gauges/ Meters:	Digital Tachometer/Hourmeter for engine. Pump control pressure gauge, 115 Volt AC meter for generator. Remote Control Hourmeter/Temp. gauge.
Heater Tank:	Corrosion resistant, HDPE.
Capacities:	
Heater Tank:	15 gallons (56.8 L.)
Gasoline Tank:	5 quarts (4.7 L.)
Options:	
Cold Fog Kit P/N:	49092 Weather Proof Cover P/N: 49100-1
Machine Dimensions Uncrated:	
Length With Nozzle:	79 in. (201 cm.)
Length Without Nozzle:	55 in. (140 cm.)
Width:	35 in. (89 cm.)
Height:	32 in. (81 cm.)
Weight:	Full: 620 lbs. (281 kg.) Empty: 467 lbs. (212 kg.)

SHIPPING DATA :

L x W x H: 60 in. (152 cm.) x 43 in. (109 cm.) x 42 in. (107 cm.)
 Weight: 615 lbs. (279 kg.) Volume: 62.7 Cu. Ft (1.77 cu. M.)

Silver Cloud

Truck-Mounted Thermal Fogger with Complete Remote Control



- Twin pulse-jet engines for prolonged life
- Engine cut-off button at operators hand
- Automatic cut-off of formulation pump in the event of engine failure
- All formulation controls at operators hand
- Can be coupled to any standard chemical drum
- Formulation and fuel tanks are not pressurized

Utilizes twin resonant pulse-jet engines

Produces high output of dense fog for the control of flying insects such as mosquitoes, gnats, house flies, sand flies and black flies.

The latest designs are used in the construction of the air and fuel systems to ensure reliable and consistent starting and running. A new feature is the ability to start the machine directly at the engines.

Remote control box allows the operator to control the running of the engines and the fog output from the cab.

Remote Control Box



Part #	Description
53000	Silver Cloud Truck-Mounted Thermal Fogger
53000-20	Silver Cloud Truck-Mounted Thermal Fogger

SPECIFICATIONS	
TYPE:	Thermal aerosol-fog
ENGINE:	Resonant pulse principle
PERFORMANCE:	88 hp/hour or 66 kw/hour or 56,000 Kcal/hour
FUEL CONSUMPTION:	1.2 gall/ hour (4.56 l / hour)
FUEL TYPE:	Gasoline
FUEL TANK:	Corrosion resistant aluminium
CAPACITY:	6 gall (9.5 l)
FORMULATION PUMP:	Belt driven, rotary gear pump
FORMULATION OUTPUT:	up to 40 gall / hour (151.4 l / hour) Makes over 250,000 cu ft (6,500 cu m) of effective fog per minute
DROPLET SIZE:	0.5 - 50 microns
FORMULATION CONTAINER:	Attachments are provided for connecting to a suitable drum such as a standard 55 gallon (200 l) drum.
REMOTE CONTROL:	
Features:	Engine cut off Formulation on / off Individual engine indicator light Fogging indicator light Fuel gauge Formulation output control
ENGINE CONTROL:	Individual engine prime and start / off
MACHINE DIMENSIONS:	in (cm) Length x Width x Height: 68 (170) 24 (60) 22 (55)
TOTAL WEIGHT:	Empty: 106 lbs (48.2 kg) Full: 144 lbs (65.5 kg)
SHIPPING DIMENSIONS (BOXED):	in (cm): 73 (185) 27 (69) 23 (58)
SHIPPING VOLUME:	26.23 cu ft (0.743 cu m)
SHIPPING WEIGHT:	141 lbs (64 kg)

Dyna-Jet L-30

The world's most technologically advanced ULV applicator

- High-volume axial blower 1,350 Cu. Ft./Min. (38.3 Cu. M/Min) provides an extra large swath width ensuring complete coverage.
- 15-gallon (57 liter) lockable formulation tank. Translucent design allows for quick level viewing.
- Large capacity formulation filter.
- Water-resistant electronics enclosure features automatic calibration switch.
- Super-accurate FMI pumping system features a lockable cover and Curtis Dyna-Fog's exclusive Formulation Anti-Pulsing System (FAPS™).
- Remote-control features: Tilt angle adjustment, machine on/off, spray on/off, formulation/flush selector, battery/hour meter (Backlit for night operation).
- Quick release stainless steel vehicle mounting brackets.
- High Speed Rotary Atomizer ensures 90% of the droplets produced will be below 20 micros at approved formulated label rates.
- Patented articulating spray head powered via remote control.
- Water-resistant battery enclosure features chemical resistant stainless steel restraints.
- 180° Rotational support (manually operated).
- Light weight, 105 lbs. (47.6 kg).
- High-strength anodized aluminum frame and stainless steel base construction. Chemical-resistant powder coated surfaces keeps the machine looking like new.
- Anti-vibration mounting feet.

Electric powered ULV generator

Digitally controlled highspeed rotary atomizer produces the industry's most consistently sized spray droplets not achievable by conventional nozzles. It features a unique remote controlled tilting head that allows for multi positioning of the spray.

The lightweight, aluminum and stainless steel construction provides years of low maintenance and trouble free use. Because the Dyna- Jet® operates entirely on electric power, the unit is not susceptible to weight issues and maintenance expenses normally associated with gasoline powered equipment.



Specifications	
Atomizer Type	High-speed rotary atomizer constructed of a safe high-density polyethylene (HDPE) material and precision balanced in 2-planes. (Atomizer dust cover and balanced spare atomizer assembly included)
Atomizer Motor	12 volt DC, brushless, high-speed shielded bearings
Articulating Head	Patented Power assisted adjustment via remote control of 55° (Vertical) and manually of 180° (Horizontal)
Blower Motor	High-output 1,350 cubic feet/minute (38.2 cubic meters/minute)
Pumping System	Positive displacement, FMI ceramic piston pump, stainless steel housing (0-20 oz/min, 0-591 ml/min), formulation anti-pulsing system (FAPS), tamper-resistant lockable cover (Maximum pre-set system flow rate: 14 oz/min. (414 ml/min))
Frame/Structure	Anodized aluminum frame, powder coated aluminum blower housing, stainless steel base, stainless steel fasteners
Formulation Tank	15 US gallon (57 liter), translucent HDPE with lockable cap
Flush Tank	1 US gallon (3.8 liter), translucent HDPE
Formulation Filter	25 micron large capacity
Battery Enclosure	Water-resistant enclosure, chemical-resistant stainless steel restraints. Note: Battery is not included with machine and is sold separately.
Remote Control	Machine on/off, Spray on/off, formulation/flush selector, blower angle adjustment, digital battery meter with color LED bar graph, accumulative hour meter. (Backlit for night operations.)
Noise Level	70 dba
Droplet Size	90% of particles below 20 Microns (VMD)
Current Draw	30 Amps maximum (@14 oz/min., 414 ml/min)
Machine Weight	105 lbs. (47.6 kg) (empty); 147 lbs. (66.5 kg) with optional battery
Machine Dimensions	44" L x 29" W x 39" H (112 x 74 x 99 cm)
Shipping Information	46" L x 36" W x 46" H (117 x 91 x 118 cm) Weight 223 lbs. (101.6 kg)
Machine Options	12 Volt Heavy-Duty Deep Cycle Battery, 12 Volt High-Performance Optima Battery with AC Charging Kit, Syncroflow™ Radar Flow Control, Dyna-Trax® GPS Tracking System, Application Specific Formulation Filters, Water-Resistant Machine Cover, Digital Tachometer, AC Timer Kit, Large Capacity Filter Kit

Part #	Description
65100	Dyna-Jet L-30 Electric ULV Aerosol Generator
65100-20	Dyna-Jet L-30 Electric ULV Aerosol Generator
65100-1G	Dyna-Jet L-30 Electric ULV GPS Syncroflow
65100-1R	Dyna-Jet L-30 Electric ULV Radar Syncroflow

Maxi-Pro 2D

ULV Aerosol Applicator High Performance & Reliability

More than 30 years of field performance

The Maxi-Pro 2D is loaded with features required for Vector Control by Health Ministries worldwide. Representing the base model of the Maxi-Pro line, the 2D was created out of the need for a professional grade vehicle mounted ULV sprayer with simplistic operation.

Specifications

Model:	2745
Engine:	18 hp, Briggs & Stratton, twin cylinder, 4 cycle gasoline, electric start with alternator
Blower:	Direct drive, rotary positive displacement type. Output up to 400 cfm air.
Pump:	Diaphragm pump;
Output:	0-128 oz (3.8 l)/min
Nozzles:	Twin Dynafog® Multimist™ with remote directional control of boom.
Tanks:	Corrosion and UV resistant high-density polyethylene

Capacities:

Formulation:	15 gal (57 l) with lockable cap Gasoline 12.5 gal (47 l) with gauge.
Flush:	1 gal (3.8 l)

Machine Dimensions Uncrated:

Length:	44 in (112 cm)
Width:	37 in (94 cm)
Height:	50 in (127 cm)



Part #	Description
62825-5	Maxi-Pro 2P
62825-1	Maxi-Pro 4
62825-7	Maxi-Pro 2D

Additional models available - Contact Curtis for more information.

Maxi-Pro 4

ULV Cold Fog Applicator-High Power With Maximum Efficiency

Specifications:

Engine:	4-cycle, twin cylinder 18 HP OHV gasoline engine, fuel pump, alternator and electric start.
Blower:	Rotary, positive displacement direct drive. Air output up to 400 cfm (11.2 m ³ /min).
Pumping Systems:	3-types available: 1) Diaphragm Pump- high volume, corrosion resistant. 2) Gear Pump- Stainless steel, magnetically coupled. Optional radar synchroflow automatic control with digital display. 3) FMI- Ceramic piston pump with carbon cylinder. Optional radar synchroflow automatic control with digital display.
Output:	0-20 oz (0-600 ml) / min.
Nozzles:	(4) Multi-Mist nozzles adjustable 360° horizontally and vertically.
Tanks:	Corrosion and UV resistant, high density polyethylene.

Capacities:

Formulation:	15 US gal. (57 l) with lockable cap, liquid level graduation marks
Gasoline:	12.2 US gal. (46 l) with gauge; su cient for 7.5 hours running
Flush:	1 US gal. (3.8 l) with tethered cap

Remote Control Features (For units equipped with Gear Pump):
Engine start, spray on/o, flush/formulation, chemical flow rate setting, machine on/o, digital display of chemical flow rate (oz or ml/min) and vehicle speed if equipped with Synchroflow.

Machine Dimensions Uncrated:

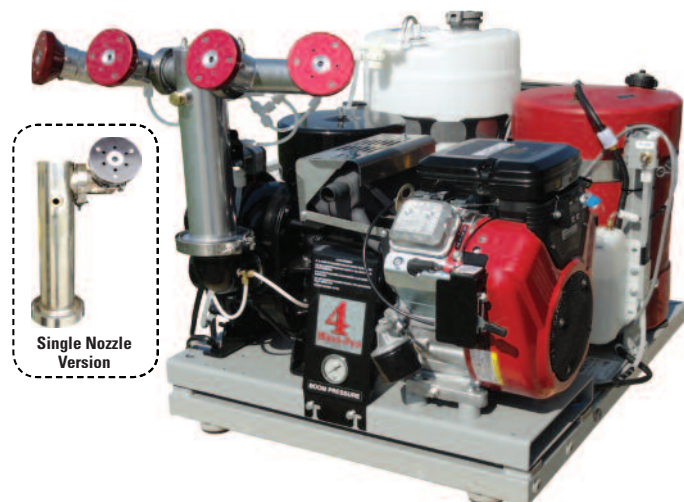
Length:	44 in (112 cm)
Width:	33 in (84 cm)
Height:	32 in (81 cm)

Shipping Data:

L x W x H:	46 in (117 cm) x 36 in (91 cm) x 39 in (99 cm)
Weight:	495 lbs. or 225 kg
Volume:	37 ft ³ or 1.1 m ³

Highest performance specifications in the industry

Powered by an overhead valve 18 HP engine, the Maxi-Pro 4 has plenty of power for use in professional pest control and Health Ministries throughout the world. Welded steel construction and powder-coat finishes make the frame and other machine components extremely resistant to corrosion. Models available with Radar and GPS Automated Flow Control along with optional covers.



Typhoon 1

One Machine Provides Total Flexibility: Adulthood, Larvacide, Barrier Spray

- 2-Year limited warranty
- Can be outfitted with the automated "Synchroflow System"
- Available with radar or GPS speed sensing



High Output Diaphragm Pump



Remote Control

SPECIFICATIONS

Model:	2984-1 (Diaphragm Pump), -2 (Gear Pump), -3 (FMI Pump)
Engine:	Kohler 9.5 HP (277 cc), 4-Cycle, Overhead valve, gasoline powered, electric start. Oil Capacity: 1.16 Qts. (1.1 L) Optional: Honda 10.5 HP (344 cc), 4-cycle OHV or Yanmar Diesel
Blower:	High Volume, positive displacement, rotary type, normal operation: 8.5 psi @ 2750 rpm. 12 psi (82 bar) 205 cfm (5.8 cu.m/min)
Pumping Systems:	3-types available: 1) Diaphragm Pump- high volume, corrosion resistant. 2) Gear Pump- Stainless steel, magnetically coupled. Optional radar synchroflow automatic control with digital display. 3) FMI- Ceramic piston pump with carbon cylinder. Optional radar synchroflow automatic control with digital display.
Output:	Diaphragm Pump (0-128 oz/min) (0-3.8 L./min.), Gear Pump 0-18 oz/min) (0-532 ml./min.), FMI Pump (0-18 oz/min) (0-532 ml./min.)
Nozzles:	High efficiency single nozzle; adjustable and removable for cleaning. Adjusts 360° Horizontally and Vertically.
Gauges:	Digital Tachometer/Hourmeter for Engine. Liquid filled pressure gauge for nozzle boom pressure.
Tanks:	Both formulation and flush tanks are made of corrosion resistant, high density polyethylene.

Capacities:

Formulation:	15 gal. (57 L.) with lockable cap.
Gasoline:	1.8 gal. (7 L.) with gauge.
Flush:	1 gal. (3.8 L.)

Machine Weight:

Empty:	297 lbs. (135 kg.)
Full:	412 lbs. (187 kg.)

Machine Dimensions Uncreated:

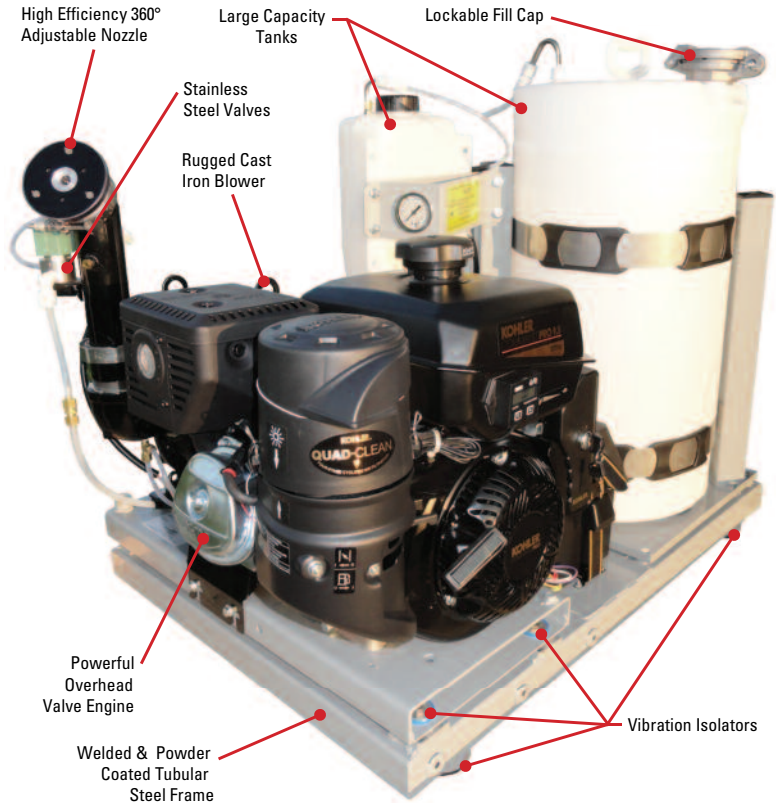
Length:	41.5 in (105 cm)
Width:	29.0 in (74 cm)
Height:	32.0 in (81 cm)

Pumping Systems:

Diaphragm:	0-128 oz (3.8 L)/min
Gear:	0-20 oz (600 ml)/min (Optional: Synchroflow)
FMI:	0-18 oz (532 ml)/min (Optional: Synchroflow)

SHIPPING DATA

L x W x H	48" (122) x 40" (100) x 39" (99)
Weight:	415 lbs. or 188 kg
Volume:	42.8 Cu. Ft or 1.2 cu. M.



65 Years of experience in the Professional Spraying Industry

Considered the industry standard for medium-sized, vehicle mounted ULV cold foggers, the Typhoon 1 has the power and features of much more expensive machines.

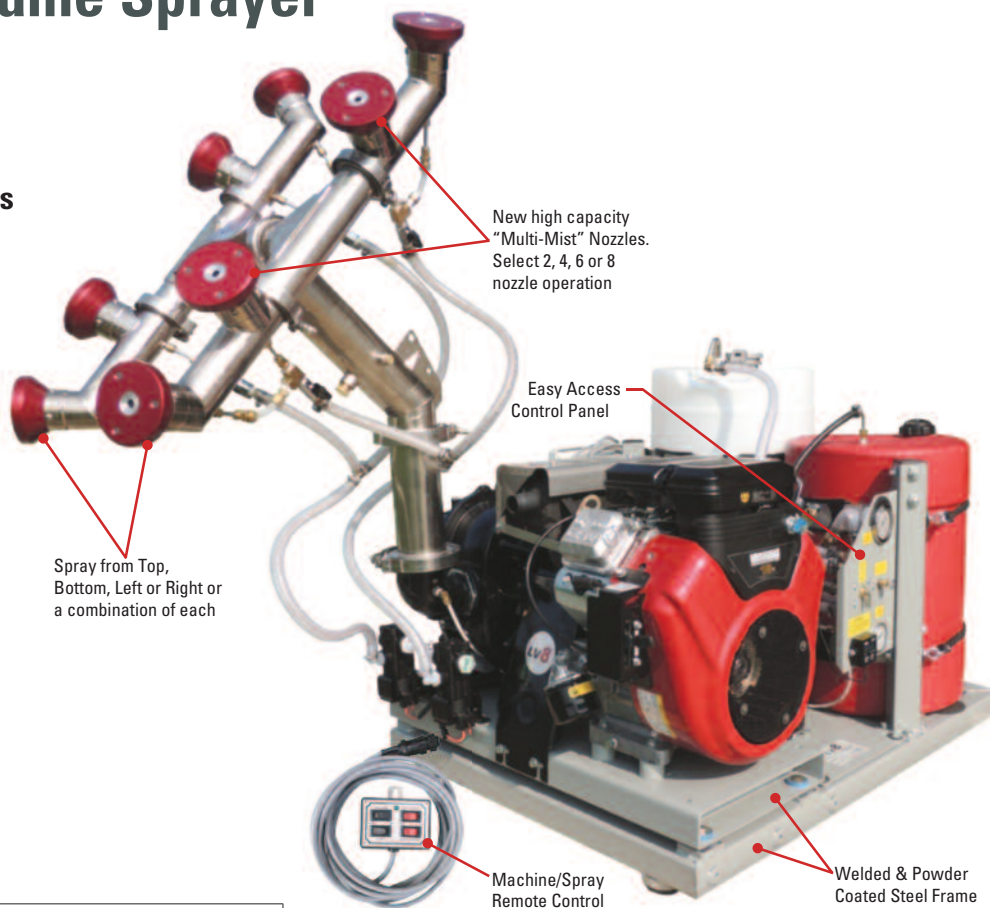
Powered by a rugged Overhead Valve engine mounted onto a powder coated, welded steel frame, the Typhoon 1 is available with a choice of three different pumping systems (Diaphragm, Digital Gear or FMI Piston) and a variety of options tailored to fit your needs. The highly efficient "Multi-Mist" nozzle has years of proven experience in producing uniform droplet spectrums with more than 90% of droplets below 20 microns (VMD) at the recommended flow rates and pressures. With flow rate capabilities ranging from 0-128 oz/min (0-3.8 ltrs/min) using the diaphragm pumping system, higher flow rates and larger droplets can be achieved making the machine also ideal for barrier spraying and larvacide work. When paired with GPS systems like Dyna-Trax 2 and a GPS mapping software provider, the Typhoon 1 has full recording and reporting capability to assist in complying with EPA and/or other agency reporting requirements.

Part #	Description
64600-1	Typhoon 1

LV-8 Low Volume Sprayer

Ag-Mister LV-8 Low Volume Sprayer

- Reduce application costs
- Best coverage per acre
- Low volume spraying
- Limited 2-year warranty
- Break the life cycle
- Optional 100 or 150 gallon formulation tank mounted on a welded steel frame with agitation pump, and high intensity LED work light.



SPECIFICATIONS

TYPE:	Cold Fogger, Low-Volume Spray Applicator
ENGINE:	Briggs & Stratton, 4-cycle, 2 cylinder OHV, 18 HP, equipped with electric starter and alternator.
FUEL CONSUMPTION:	1.6 U.S. gal/hr (6.05 L/hr)
OPERATING SPEED:	2800 RPM
BLOWER:	Positive displacement. Straight lobe, rotary type, direct drive
OUTPUT AIR PRESSURE:	Rated at 0-6 PSI (.41 Bar)
OUTPUT AIR FLOW:	Rated at 0-325 CFM (9.2 m ³ /min)
FORMULATION PUMP:	Positive displacement, high volume diaphragm pump (chemical resistant) that is rated at 4.8 gal./min (18.2 L/min) at 50 psi at maximum output. 0.55 gal./min (2.1 L/min) maximum flow to nozzles.
NOZZLE SYSTEM:	(8) Air assist nozzles, boom mounted, cluster type with horizontal, vertical and rotational adjustment.
REMOTE CONTROL FEATURES:	Control Spraying: Left, Right, or Both. Machine Start, Agitation Pump (optional), LED Work Light (optional).
TANKS:	Corrosion resistant, high-density Polyethylene
FLUSH:	15 U.S. Gallons (56.7 liters).
FORMULATION:	Connect to 3-way valve on machine.
GASOLINE:	12.2 U.S. gallons (46 L), cap with level gage.
PARTICLE SIZE:	20-130 microns Volume-Median-Diameter (VMD). Adjustable depending on formulation flow rate, viscosity, and boom pressure.
LENGTH:	50 in. (127 cm)
WIDTH:	31 in. (79 cm)
HEIGHT:	30 in. (76 cm)

Cold fogger, low-volume

Low-volume spraying is the heart of effective, efficient and economical pest control in the Ag Industry. Studies have proven low volume control of pests to be a viable, effective option that is widely accepted and used around the world.

Break the life cycle of many pests using Low Volume spraying. We have gone to great lengths to be a part of studies and provide a solution that is economical, practical and effective. When it comes down to it, the LV-8 has the best coverage per area, the most versatile use and is a grower's final solution to controlling the common pests. Reduce application costs and effectively apply foliar systemics, oils, nutritionals and insecticides from ONE machine.

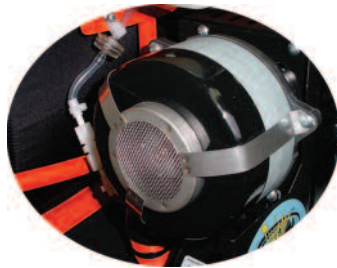
Optional 100 or 150 gallon formulation tank mounted on a welded steel frame with agitation pump, and high intensity LED work light.

Part #	Description
67000D	LV-8 Low Volume Sprayer
67000D-100	LV-8 Low Volume Sprayer with 100 Gall Formulation tank
67000D-150	LV-8 Low Volume Sprayer with 150 Gal Formulation tank

Twister XL3

Motorized Knapsack ULV Sprayer

- Single high output Microtec™ nozzle
- Honda 4 stroke Motor. Low Emission, Hi Performance Engine.
- Heavy-duty isolators reduce engine vibration



High Speed Rotary Type, 3-Stage Steel Shaft Blower

95 CFM (2.69 M³/min). Positive displacement for maximum output and complete atomization.

A real ULV Backpack/Knapsack

The Twister™ XL3 is the most impressive ULV backpack applicator in the world. The Twister™ features a remarkable nozzle and blower system that clearly outperforms the competition in value, durability and performance. It boasts the highest flow rates for true (ULV) droplets of any backpack sprayer on the market today. The Twister™ is designed as a lightweight compact aerosol generator that is ergonomically suited for long periods of use by the operator. This unit excels in controlling mosquitoes and other flying insects by way of its patented Microtec™ nozzle that produces 90% of the droplets under 20 microns at flow rates under 6.0 oz/min (178 ml/min). The quick change orifice system allows the operator to increase flow rates resulting in larger droplets produced which are ideal for leaving a residual deposit on surfaces such as vegetation and walls (barrier spraying for mosquitoes and flies). With the optional twin nozzle kit, you can apply formulations at a higher output where a fast application is required (such as poultry houses). The Twister™ is lightweight enough for most ATV racks, golf carts and small carts. Due to its high performance and its compact size, the Twister™ is the ultimate machine for aduicticing, barrier spraying, and spot treatments.

Part #	Description
39750	Twister XL3 Motorized Knapsack ULV Sprayer



MACHINE SPECIFICATIONS: TWISTER™ XL3 — MODEL 3950, SERIES S

Type:	Knapsack/Backpack-Motorized, Aerosol Generator, Non Thermal, Insecticide, Ultra-Low-Volume (ULV).
Engine:	Honda 4 stroke high performance engine. Emissions compliant, low fuel consumption, extra quiet. Operating speed 7500 RPM.
Blower:	High speed Rotary type, 3-Stage, Belt driven, 95 cfm (2.68 m ³ /min) unrestricted, pressure 3 psi. (.2 bar) max., tangential discharge, ground steel shaft with two high quality ball bearings.
Flow Control:	Interchangeable restricting orifice to produce different flow rates, from 1.5 oz/min (45 ml/min) to *17 oz/min (500 ml/min). * When using optional Dual Nozzle attachment.
Nozzles:	Single high output Microtec™ nozzle. Optional extra dual nozzle kit for higher output.
Tanks:	Corrosion resistant, high density Polyethylene. Formulation: 1 U.S. Gallons (3.78 liters), Gasoline: .67 liters.
Droplet Size:	Produces 90% of the droplets below 20 um (ULV) Mass Medium Diameter (VMD) at flow rates up to 6.0 oz/min (178 ml/min). Higher flow rates will provide larger droplets for residual deposit.
Accessories:	Curtis Viscometer to determine the formulation viscosity, 2-cycle oil beaker, funnel, spare parts kit.
Options:	Twin Nozzle Kit (P/N 39716)
Dry Weight:	26 lbs. (11.8 Kg.)
Dimensions:	14.75" L (37.5 cm) x 12" W (30.5 cm) x 22.5" H (57.2 cm)
Shipping:	25" L (63.5 cm) x 19" W (48.3 cm) x 16" H (41.1 cm) Volume: 4.39 cu.ft. (.123 cu. meter), Weight: 36 lbs (16.3 Kg)

Miniature Light Traps

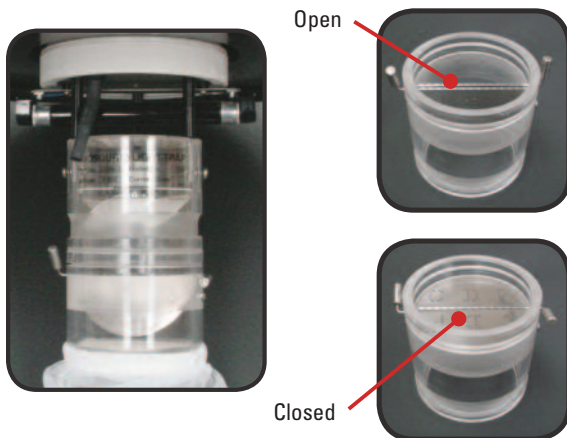
For Mosquito Surveillance

- Accurately determine the most efficient treatment times and locations.
- Provide information on how well the spray pattern is penetrating target areas.
- Identify disease carrying species and the potential for vector-borne disease in the area.
- Determine species resistance to different insecticides.
- Evaluate the effectiveness of a spraying program.
- Provides a statistical representation of the population and type of species.
- Optional versions available including US Armed Forces Pest Management design (Model 2505).



Light Trap Options

Self closing air gate p/n 24115. This option promotes battery conservation and prevents specimens from escaping if the battery is exhausted.



- High performance motor
- Efficient operation
- Heavy-duty rain shield
- Corrosion resistant
- High intensity illumination
- Quiet operation
- Fine mesh net
- 4 D-water-resistant battery holder

For Professional Use

Curtis Dyna-Fog's miniature light trap models are patterned after the light trap originally developed by the United States Centers for Disease Control. These high quality traps are designed for use by professional mosquito districts and government agencies throughout the world. They are constructed using heavy-duty, corrosion resistant materials for durability and long life. These models feature high intensity incandescent or high efficiency LED ultraviolet illumination for maximum mosquito and sand fly attracting capabilities.

SPECIFICATIONS

Power Supply:	6 Volts DC (4- "D" cell or optional rechargeable battery)
Current Draw:	300 ma (Incandescent Bulb) or 150 ma (LED UV Bulb)
Motor Speed:	2500 RPM
Fan Diameter:	3 In. (7.6 cm.) / 4 blades
Light Bulb Number:	#44, #47 (incandescent), or LED UV Bulb (1W BA9S)
Weight:	1.9 lbs. (0.86 kg.) without batteries
Shipping Weight:	
(1) unit/carton	4.0 lbs. (1.81 kg.)
(4) units/carton	16 lbs. (7.26 kg.)
Shipping Dimensions:	
L x W x H:	15.5 in. (39.4 cm.) X 15.5 in. (39.4 cm.) X 6.6 in. (16.8 cm.)

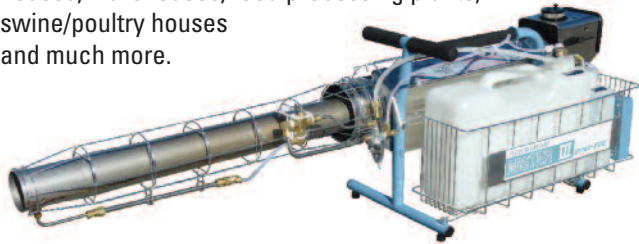
Part #	Description
25086-6J	Miniature Light Traps with or without UV
25086-6N	Miniature Light Traps with or without UV

Mister III Electric Start

Reliable, effective, and easy operation

Dispenses wettable powders, emulsifiable concentrates and flowables

Dispenses fungicides, insecticides, germicides and disinfectants as wettable powders, emulsifiable concentrates, flowables or liquids in a variety of applications: greenhouses, warehouses, food processing plants, swine/poultry houses and much more.



Mini-Pro

High power with maximum efficiency

Simple to operate, set up, transport and store

Dispenses fungicides, insecticides, germicides, disinfectants, odor control and other chemical products. Engineered and developed with the professional in mind, it's ideal for cattle barns, food processing plants, warehouses, barracks, shopping ventures, schools, restaurant, apartments buildings, grain mills, factories and more.



Hurricane

Electric Portable Aerosol Applicator

Dispenses both oil and water-based products

The Hurricane is capable of dispensing disinfectants, deodorizers, germicides and insecticides. It is being used successfully in hospitals, restaurants, warehouses, nursing homes, schools, greenhouses and other institutions. With an adjustable output of 0-5 gallons per hour, this versatile unit gives you the power to handle both large and small area, wherever aerosol particle chemical treatment is needed.



Part #	Description
62000-542	Hurricane 110v
86650-1	Mister III
64100-1	Nightstar 110v
63600-1	Mini-Pro Diaphragm
63910	Mini-Lite

For further information on any of these products contact your Curtis Distributor or B&G directly.



135 Region South Drive
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www.bgequip.com

17335 US Highway 31 North
Westfield, IN 46074
1-317-896-2561
www.dynafo.com

Nightstar

Treats up to 60,000 sq. ft. without auxiliary fans

Automatically dispenses all types of formulations into enclosed environments

Enables automatic, unattended spraying, reduced labor costs and worker exposure to chemicals. Assures a higher efficiency of chemical coverage by generating uniform droplets which are evenly distributed throughout the area being treated.



Mini-Lite

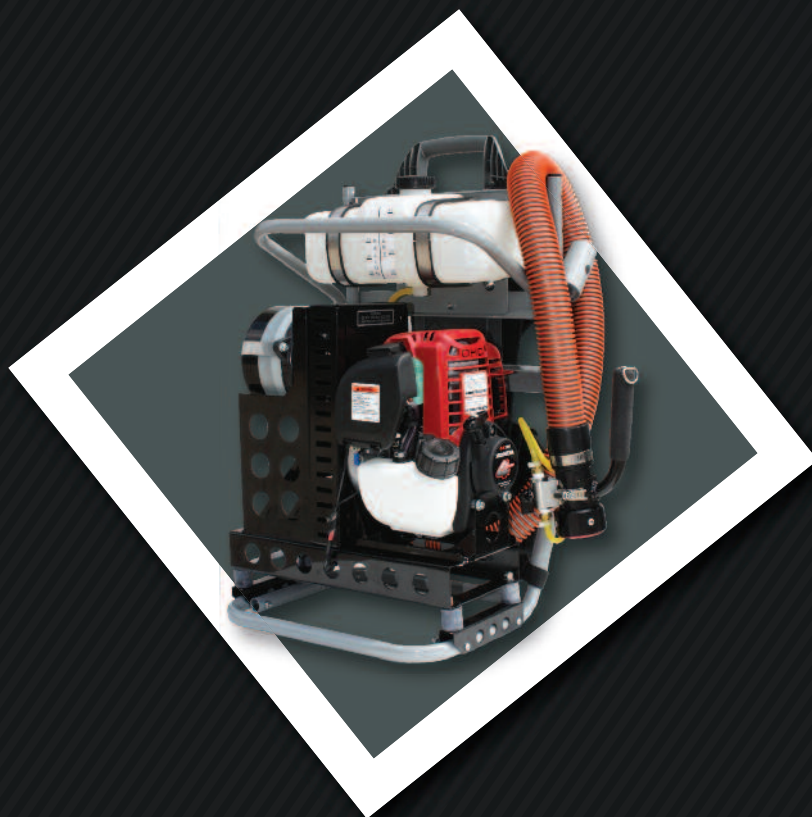
ULV/Mister

Light, affordable and handy ULV applicator

The ultimate in efficiency and convenience with comfort and ease of operation. Built to aircraft tolerances to achieve lightweight and superior performance in all applications. designed as a dual-purpose machine for indoor and outdoor use. Can be quickly mounted on a small utility vehicle for mosquito and fly control.



Innovators of Spraying and Fogging
Technology Since 1947



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