

Guardian ULV

The Guardian line of ULV sprayers from ADAPCO

Guardian 190 G4

The Guardian 190 G4 sets a new standard in professional mosquito control. Built to endure the most rigorous application needs, this ULV workhorse employs advanced aerosol generator technology and is outfitted with the highest quality components and key features.

- 19 HP Kohler Twin Cylinder Electronic Fuel Injected (EFI) engine
- 3 Year Limited Warranty
- 12 gallon EPA-compliant fuel tank
- 350 CFM Dresser ROOTS high output blower
- Vectored Air Atomization Technology (VAAT)
 - Laser Tested Aluminum Alloy Nozzle
- Oversized lockable pump box for easy calibration and maintenance
- Fixed flow FMI pump in-cab control is standard with optional upgrading available with ADAPCO's **Monitor 4S** application tracking system



Guardian 95 ES

ADAPCO offers high performance in a compact design with the Guardian 95 ES. Ideal for less demanding programs or private applicators, the 95 ES is a dependable, professional quality sprayer with a budget-friendly price. This machine offers a space saving footprint.

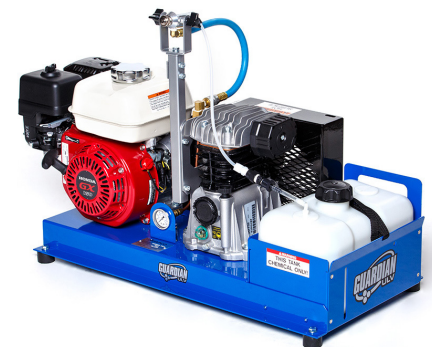
- 9 HP Honda OHV fuel efficient engine
- 175 CFM Dresser ROOTS high output blower
- Vectored Air Atomization Technology (VAAT)
 - Laser Tested Aluminum Alloy Nozzle
- Oversized lockable pump box for easy calibration and maintenance
- Fixed flow FMI pump in-cab control is standard with optional upgrading available with ADAPCO's **Monitor 4S** application tracking system
- In-cab remote pendent provides spray switch control, engine off and hot start ignition



Guardian 55 ES

The GUARDIAN 55 ES is ADAPCO's solution for professional-quality mosquito and flying insect control on a practical budget. Perfectly sized to easily spray golf courses, barn & stable areas, and other low output areas. The 55 ES has a lightweight design with a compact footprint.

- 5.5 HP commercial quality fuel efficient Honda engine
- Portable, lightweight aluminum construction
- Aluminum compressor with cast iron cylinder pressure gauge
- 2.5 gal formulation tank or drop in a 2.5 gal RTU jug with included cap & pickup tube
- Flow rates adjustable with stainless steel orifice disks
- Optional wired remote available



Guardian ULV Aerosol Generator Specifications

Engine	55 ES	95 ES	190 G4
Make, Model	Honda GX series, horizontal shaft	Honda GX270, horizontal shaft	KOHLER Command PRO® EFI ECH630, horizontal shaft
Horse Power	5.5	9.0	19.0
Type	Air cooled, 4 stroke, OHV, Single Cylinder	Air cooled, 4 stroke, OHV, Single Cylinder	Air cooled, 4 stroke, OHV, V-twin Cylinder
Displacement	N/A	17.5 cu. inch (286 cc)	42 cu. inch (694 cc)
Ignition System	Transistorized magneto	Solid State	Solid State
Starting System	Recoil start	Recoil & electric start	Electric start
Fuel	Unleaded gasoline	Unleaded gasoline	Unleaded gasoline
Throttle Control	Manual	Manual	Solenoid acuator 12V dc
Choke Control	Manual	Manual	N/A
Hour Meter	Optional	Optional	Optional
Driver Couple	Single V-belt	Double, Single V-belt	Triple V-belt
Blower/Air Source	55 ES	95 ES	190 G4
Make, Model	Chinook K12 Air compressor	Dresser-ROOTS URAI-33UJ	Dresser-ROOTS URAI-45UJ
Diameter: Outlet/drive shaft	.50" (1/2") outlet, tapered shaft	2" NPT/ .75" (3/4") shaft	2.5" NPT/ .875" (22.22 mm) shaft
Max Performance	1200 RPM, 150 PSIG, 3.97 ACFM @100 PSI	3550 RPM, 4 PSIG=186 CFM, 9PSIG=169 CFM	3550 RPM, 4 PSIG=379 CFM, 9PSIG=354 CFM
Configuration	Horizontal with 10" flywheel	Horizontal mount, LH drive	Horizontal mount, LH drive
Capacities	55 ES	95 ES	190 G4
Fuel	.95 Gal (3.6 liters)	1.5 Gal (5.68 liters)	12 Gal (45.4 liters)
Formulation	2.5 Gal (9.46 liters)	15 Gal (56.7 liters)	15 Gal (56.7 liters)
Flush	N/A	1.5 Qts (1.42 liters)	2.0 Qts (1.9 liters)
Engine Oil	1 Qt (.94 liter)	1 Qt (.94 liter)	1.5 Qts (1.4 liters)
Blower/compressor oil	15 oz (443.5 ml)	N/A	N/A
Nozzle	55 ES	95 ES	190 G4
Model	High Pressure BEET XA series	Vector Air Atomization (VAAT) 2"	Vector Air Atomization (VAAT) 3"
Material	Nickle plated brass	Aluminum 6061-T6, 2 piece	Aluminum 6061-T6, 2 piece
Formulation Feed	Siphon feed	Rear center, 1/4" OD SS tube, 1/4" NPT	Rear center, 3/8" OD SS tube, 3/8" NPT
Atomization	KLD-DC IV laser tested, meets or exceeds EPA PR-205 recommendations	KLD-DC IV laser tested, meets or exceeds EPA PR-205 recommendations	KLD-DC IV laser tested, meets or exceeds EPA PR-205 recommendations
Flow Control/Options	55 ES	95 ES	190 G4
Pump std: Make, Model	Siphon feed through 9 different sizes of orifice disks, flow from 1.3 - 6.9 oz/min	FMI-QB (Fixed Flow) Positive Displacement 3/8" Piston, 12V dc	FMI-QB (Fixed Flow) Positive Displacement 3/8" Piston, 12V dc
Pump opt: Make, Model	Manual On/Off valve or Optional remote	N/A	N/A
In-cab Control	N/A	Remote engine start/stop, flush, spray on/off	Remote engine start/stop, flush, spray on/off
Monitor 4s: Variable flow, Location & Flow recording	N/A	Optional with FMI pump	Optional with FMI pump
Dimensions	55 ES	95 ES	190 G4
Length	34.2 inches (86.8 cm)	37.75 inches (95.9 cm)	47 inches (119.4 cm)
Width	15.65 inches (39.7 cm)	29.75 inches (75.6 cm)	40 inches (101.6 cm)
Height	17 inches (43.1 cm)	27 in (68.6 cm) nozzle up to 32 in (81.3 cm)	29.9 in (75.9 cm) nozzle up to 43.2 in (109.7 cm)
Weight (empty)	85 lbs (38.55 kg)	350 lbs (158.7 kg)	490 lbs (222.2 kg)
Guages	55 ES	95 ES	190 G4
Formulation	Visual translucent poly tank	N/A	N/A
Air Pressure	0-160 PSI (11.03 bar), glycerin filled, panel mount with pressure switch pump lockout	0-15 PSI (1.03 bar), glycerin filled, panel mount with pressure switch pump lockout	0-15 PSI (1.03 bar), glycerin filled, panel mount with pressure switch pump lockout



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