



Perimeter Pro

B390100

OPERATING MANUAL

ACTISOL[®] PERIMETER PRO OPERATING MANUAL

Thank you and Congratulations on your choice of the Actisol[®] Perimeter Pro, a unique mobile delivery system designed to provide today's pest management professional with the ability to perform precision exterior and perimeter applications, reduce costs, increase productivity and enhance professional appearance.

The Actisol[®] Perimeter Pro can be refilled easily from any garden hose spigot, which eliminates the need to travel back to the service vehicle to refill, roll hoses, or re-circulate. This reduces fatigue and time spent at each account. Results of field trials indicated that pest management professionals favored the Actisol[®] Perimeter Pro over the traditional hose tethered spray rig.

The Actisol[®] Perimeter Pro does not require gasoline or oil. To reduce or eliminate the transportation spill risk this system is designed to be emptied after each application. Its unique compact design also reduces the risk of damaging your client's exterior property, as you will no longer drag a long, heavy hose around landscaping and other objects.

It's mobile, practical, and durable design makes it a valuable tool for all types of accounts. In addition, it gives you the flexibility of using a variety of insecticides that are EPA approved for use in this type of equipment.

Best of all, the Actisol[®] Perimeter Pro can be counted on to work dependably on the job because of its durable, low maintenance design. Using an Actisol[®] Perimeter Pro projects a professional high-tech image to your residential and commercial accounts enhancing the value of your service. The system is backed with a full one year warranty against defects in material and workmanship.

Manufactured in the USA By:

**Environmental Delivery Systems, Inc.
314 Morningside Drive
Friendswood, TX 77546**

OPERATING INSTRUCTIONS

Handle with care.

Do not place the unit where vibration and surface conditions would allow it to fall. Keep the unit on the ground when in use.

Always wear personal protective equipment.

When filling these units always wear protective eyewear and protective gloves. When operating this unit, always wear protective clothing, eyewear, chemical resistant rubber gloves, protective footwear, and a respirator. Refer to the insecticide label for specific instructions and other precautions.



LOADING & UNLOADING

The Actisol® Perimeter Pro should be **emptied** of any product and/or items to lighten unit for loading into or out of service vehicle. *(Remember water is over 8 pounds per gallon.)*

When loading or unloading the Actisol® Perimeter Pro, always assure that the vehicle is parked at a level place to ensure proper footing and good posture for lifting. Always lift straight in or out of vehicle. **Never lift and turn** while loading and unloading.

Unloading

1. Grip the Actisol® Perimeter Pro unit with both "slanted" grips.
2. Pull unit against your body.
3. Slide unit out as you keep it firmly against your body.
4. Step backwards enough to clear vehicle.
5. Using your legs squat down while leaning forward slightly and lower unit until it is on the ground.

Loading

1. Using your legs squat down while leaning forward slightly.
2. Grip unit with both "slanted" grips.
3. As you lift unit keep it firmly against your body.
4. Set unit in vehicle and roll forward.
5. Secure unit in vehicle.

ADJUSTING THE HANDLE

The Actisol[®] Perimeter Pro features an adjustable handle which can be lowered to save on space and raised to improve mobility.

Raise the Handle

1. Push in on the two buttons located above the tank on the frame.
2. With both buttons held in, pull up on the handle until the second set of buttons snaps into place.

Lower the Handle

1. Push in on the two buttons located above the tank on the frame.
2. With both buttons held in, push down on the handle until the second set of buttons stops against the frame.
3. Push in both buttons and push down further on handle until the second set of button snaps into place.

INSECTICIDES

Observe Product label directions. Read the insecticide label to determine if the insecticide is EPA approved for use in this type of equipment. Contact your chosen distributor for Information on insecticides currently labeled for use in equipment such as Actisol[®] Perimeter Pro.



Filling / Mixing

The Actisol[®] Perimeter Pro is designed to be filled and refilled easily from any common hose spigot. Before adding water, be sure the blue valve on the inlet gap fill assembly above the tank is in the cross line (+) position and the 100m filter bag is in place, covering the opening.

1. Follow label direction of product being used to mix concentrate.
2. Calculate amount of mixed solution needed for the area to be treated.

3. Attach inlet / fill hose to spigot or faucet using the vacuum break / backflow prevent with screen.

NOTE: If the spigot or hose you are using already has a vacuum break / backflow prevent it is best to remove one of them to allow sufficient flow. It is recommended to remove the vacuum break / backflow prevent from the inlet / fill hose of the Actisol® Perimeter Pro.

4. Turn on water at spigot or hose.

5. Turn the blue valve on the inlet gap fill assembly to the inline position to allow flow into the tank.

NOTE: Flow will not pass the blue valve on the inlet gap fill assembly above the tank until valve is turned to the inline position. The inlet flow of the water comes from the top of the tank and will assist in the mixing of the product with the water.

6. Be sure to replace the vacuum break / backflow prevent immediately when flow has been terminated and inlet / fill hose has been disconnected from spigot.

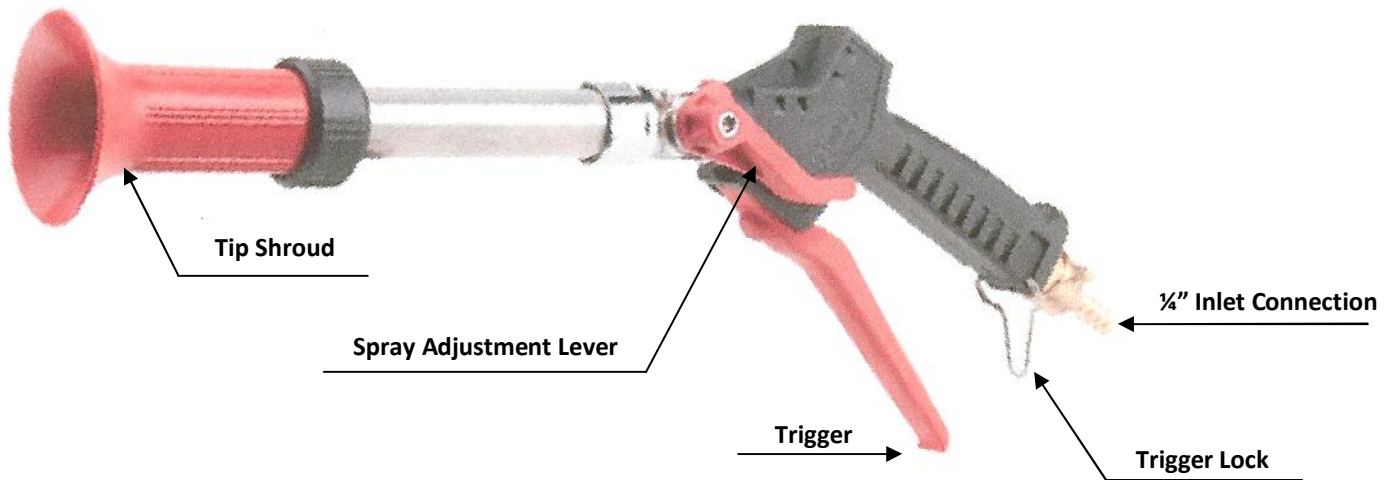
NOTE: To recirculate or mix solution, remove lid on tank and point wand into opening and squeeze trigger to full pin stream.

7. Priming the System

Sometimes the pump will pick up air in the line from emptying the tank. To achieve full pressure and volume the air must be displaced out of the pump. After refilling this may be achieved by following these steps:

- 1) Be sure the pump is on, using the on/off switch.
- 2) With the spray adjustment lever in the upper position (pin stream), squeeze trigger to start liquid flow.
- 3) Using the spray adjustment lever, turn downward to a light fan spray. You will hear a "spitting" noise as the air is being discharged out of the end of the spray gun. Then move the spray adjustment lever back to the upper position on full pin stream, the pump should begin to build full pressure. While pump is running, turn red priming valve on top of the tank, in the cross line position (+) for approximately one second then back to the in-line position. This will also usually displace any remaining air in the line and reacquire full pressure.
- 4) If needed, repeat steps 2 and 3. Also see the TROUBLESHOOTING tips on page 16 of this manual.

SPRAY GUN



Features:

1. The adjustable tip shroud is designed to protect the tip of the gun.
2. The spray adjustment lever and the trigger lock can be activated with just one hand.
3. The swivel connection prevents twisting and kinking of the hose.
4. The flow is fully adjustable from cone mist to solid stream. Pull on the trigger to start the flow. With the spray adjustment lever, adjust the flow to desired spray output from a fine cone mist to a solid stream.
5. Release the trigger and the flow will stop.
6. The spray gun is rated 250 PSI.

PUMP

The Actisol® Perimeter Pro is equipped with a ShuRflo 8000 series industrial pump. The information outlined by this manual is general and not specific to all 8000 series pumps.

Caution: Intermittent Duty is defined as; operated and/or frequently started within a period of time that would cause the motor to reach its maximum thermal limits. Once the maximum thermal limit is obtained, the motor must be allowed to return to ambient temperature before resuming operation.

Caution: DO NOT use to pump flammable liquids. Never operate the pump in an explosive environment. Arcing from the motor brushes, switch or excessive heat from an improperly cycled motor may cause an explosion.

Caution: DO NOT assume fluid compatibility. If the fluid is improperly matched to the pump's elastomers, a leak may occur. Pumps used to transfer hazardous or hot (max temperature 170°F [76°C] Viton® only) chemicals must be in a vented area to guard against the possibility of injury due to harmful or explosive liquid/vapors.

Caution: DO NOT operate the pump at pressures which cause the motor to exceed the amperes rating indicated on the name plate. Various pump models are equipped with thermal breakers to interrupt operation due to excessive heat. Once the temperature of the motor is within proper limits it will automatically reset, and the pump ***will start operation without warning.***

Caution: To prevent electrical shock, disconnect power before initiating any work. In the case of pump failure, the motor housing and/or the pumped fluid may carry high voltage to components normally considered safe.

Pressure Switch Operation

The pressure switch reacts to outlet pressure, and interrupts power at the preset shut-off pressure indicated on the pump label. When outlet pressure drops below a predetermined limit (*typically 15-20 psi. [1-1.4 bar] less than the shut-off pressure) the switch will close and the pump operates until the shut-off (high) pressure is achieved. The shut-off pressure is set to factory calibrated standards.

Caution: Improper adjustment of the pressure switch setting may cause severe overload or premature failure. Refer to the SHURflo Service Bulletin #1031 for the adjustment procedure. Failures due to improper adjustment of the pressure switch setting will not be covered under the limited warranty.

If the plumbing is restrictive or the flow rate is very low, the pump may re-pressurize the outlet faster than the fluid is being released, causing rapid cycling (*ON/OFF within 2 sec.). If the pump is subjected to rapid cycling during normal operation, or for infrequent periods, damage may occur. Application which exhibit rapid cycling should have restrictions in the outlet minimized.

PRODUCT DATA SHEET

MODEL: 8007-543-836

SPECIFICATIONS:

MODEL NUMBER: 8007-543-836

PUMP DESIGN: Positive Displacement 3 Chamber Diaphragm Pump

CHECK VALVE: (1-Way Operation) Prevents Reverse Flow

CAM: 3.0 Degree

MOTOR: Permanent Magnet, P/N 11-184-02 Fuse Protected, On/Off Switch, Connector

VOLTAGE: 12 VDC Nominal

PRESSURE SWITCH: Adjustable Shut-Off (Range 40-60 PSI)

Factory Set @ 60 PSI, Turn On 45 PSI $\pm$ 5 PSI

LIQUID TEMPERATURE: 170 Degrees Fahrenheit (77 Degrees Centigrade) Max.

PRIME: Self-Priming Up To 11 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)

PORTS: 3/8"-18 NPT Female

MATERIAL OF CONSTRUCTION:

PLASTICS- Polypropylene

VALVES- Viton

DIAPHRAGM- Santoprene

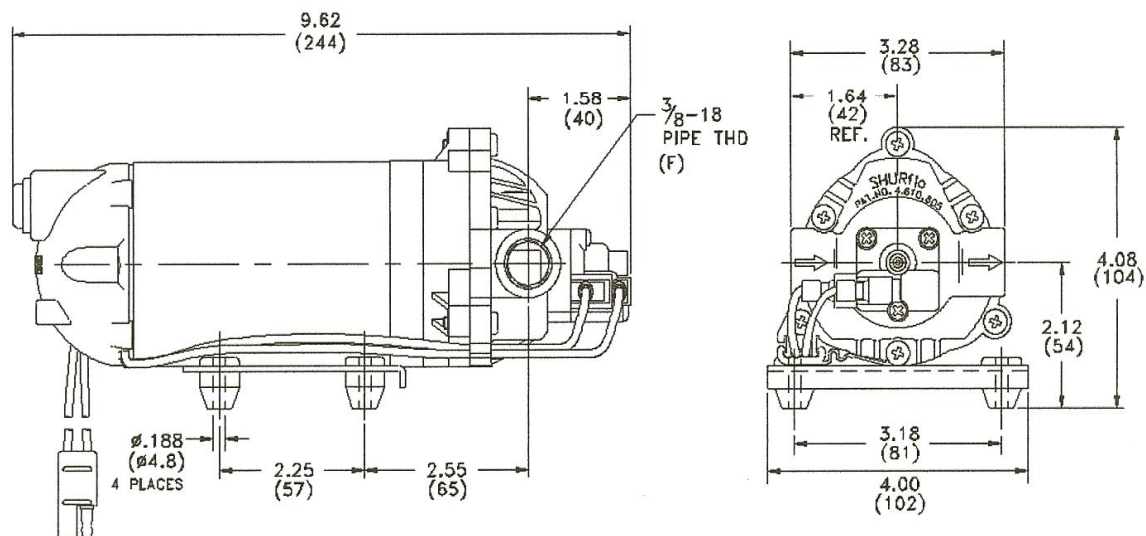
FASTENERS- Zinc Plated Steel

NET WEIGHT: 4.7 Lbs (2.13 Kg)

DUTY CYCLE: Continuous (See Temperature Rise Chart)

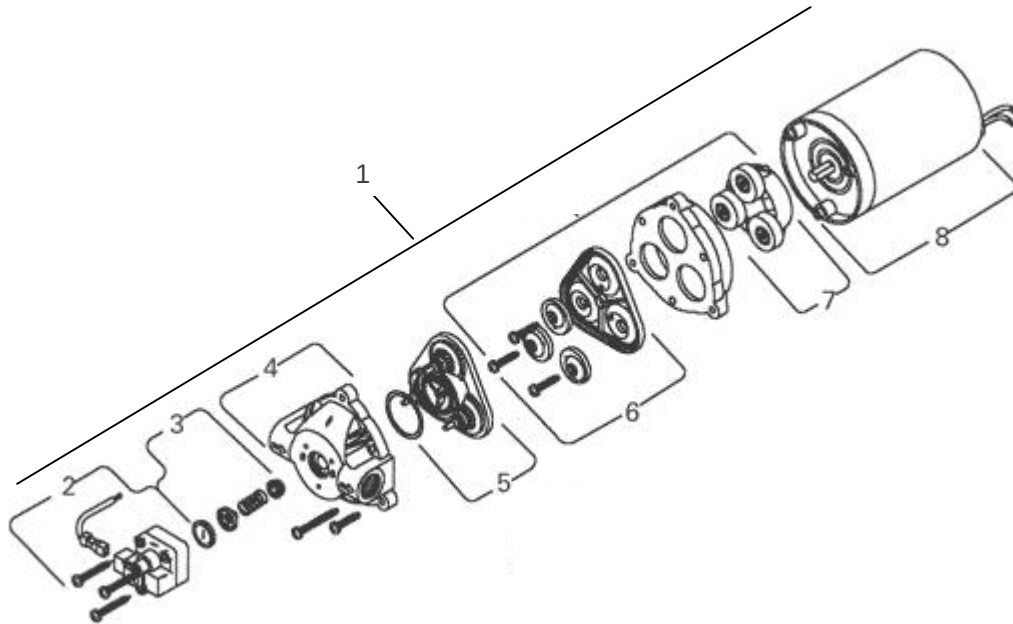
TYPICAL APPLICATIONS: Agricultural Spraying

DIMENSIONS:



SERVICE KITS

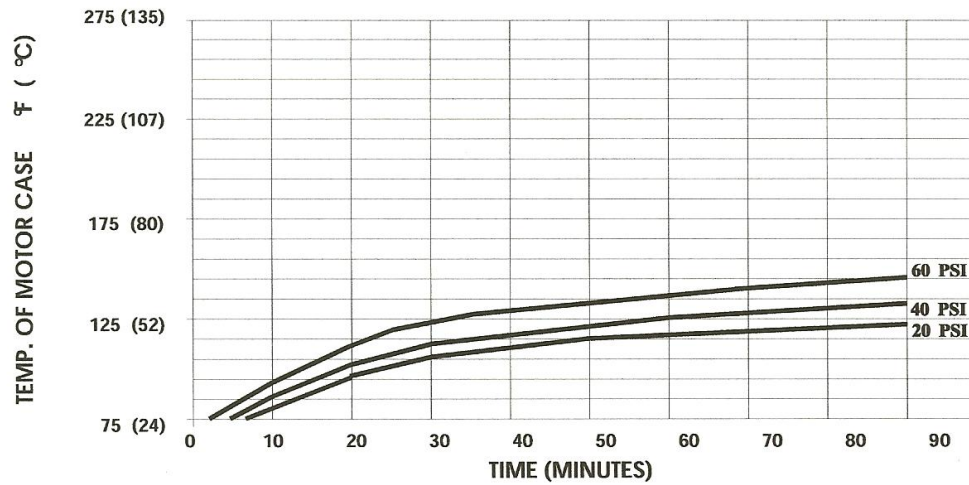
Service kits are readily available to repair standard 8000 series pumps. Repair kits include simple illustrated instructions allowing easy installation. To insure that the correct kit is received the model number and all name plate data must be included with order. Contact Environmental Delivery Systems, Inc., a SHURflo distributor, or SHURflo directly to order the necessary repair kit.



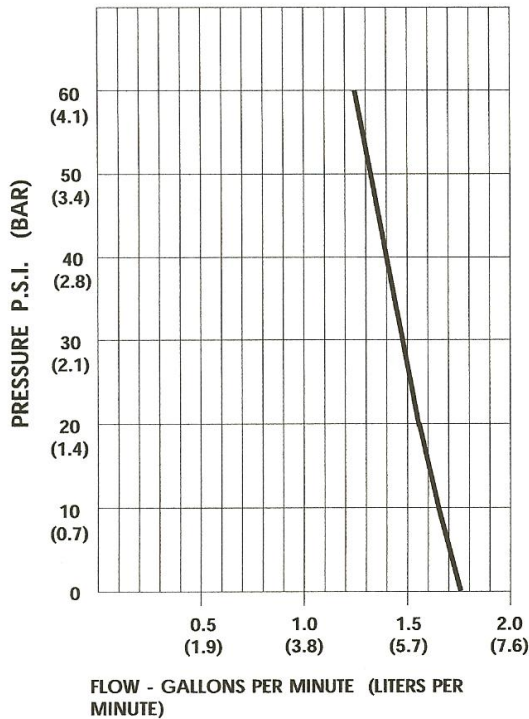
KEY #	PART #	DESCRIPTION
1	8007-543-836	Diaphragm Pump 12V DC 60 psi
2	94-375-06	Pressure Switch Assembly
3	94-374-08	Check Valve Assembly
4	94-379-00	Upper Housing
5	94-390-05	Bypass / Non Bypass Valve Assembly
6	94-385-32	Diaphragm Assembly
7	94-385-32	Drive Assembly
8	11-184-02	Motor Assembly (less base plate)

MODEL: 8007-543-836

TEMPERATURE RISE



TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.80/6.8	2235/2245	2.8	12VDC
10	1.66/6.3	2180/2210	3.6	"
20	1.57/5.9	2135/2170	4.3	"
30	1.45/5.5	2085/2125	5.0	"
40	1.39/5.3	2035/2080	5.6	"
50	1.31/5.0	1985/2045	6.2	"
60	1.23/4.7	1960/2015	6.8	"

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

-ALL DATA BASED ON TESTING WITH WATER AT AMBIENT TEMPERATURE.

BATTERY



Maintenance-Free Rechargeable Sealed Lead-Acid Battery



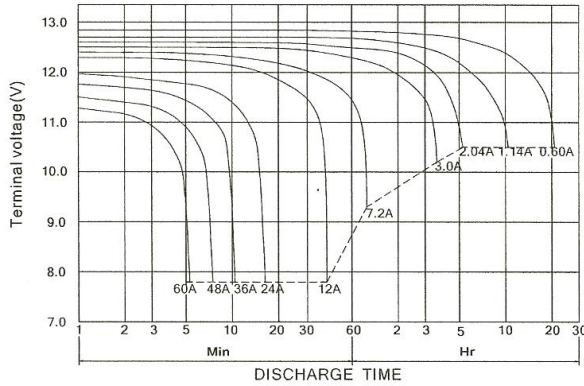
EVP12-12

The battery is constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass-mat separator and plates, the battery can use in any direction and position without leakage.

PERFORMANCE SPECIFICATIONS

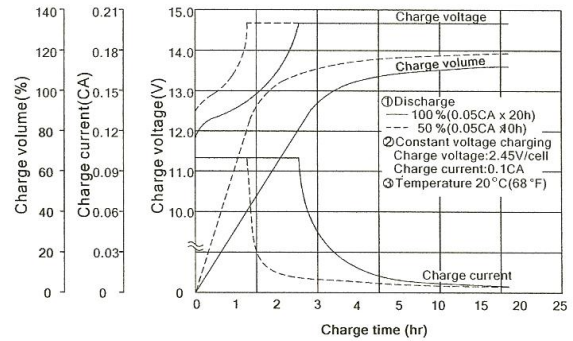
Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(AH)	
20 Hour rate F.V.(1.75V/cell) (0.6A to 10.50volts)	12.0A.H.
5 Hour rate F.V.(1.75V/cell) (2.04A to 10.50volts).....	10.2A.H.
30 Min rate F.V.(1.30V/cell) (15.0A to 7.80volts).....	7.5A.H.
Approximate Weight	4200g(9.25lbs.)
Terminal	
Standard.....	Type T2
Optional.....	Type T1
Internal Resistance (Fully Charged Battery).....	<12m Ω
Maximum Discharge Current For 5 sec.(A).....	180A
Maximum Charge Current(A).....	3.6A
Ambient Temperature	
Charge.....	0°C(32°F)~40°C(104°F)
Discharge.....	-20°C(-4°F)~50°C(122°F)
Storage.....	-20°C(-4°F)~40°C(104°F)
Vibration test:	
Frequency: 16.7HZ	
Amplitude: 4mm	
Vibrate the battery horizontally or vertically for 60 minutes. The battery have no abnormality.	
Case.....	ABS
Dimension (mm/inch)	
Length ±1.5mm.....	151/5.94
Width ±1.5mm.....	98/3.86
Container Height ±1.5mm.....	94/3.70
Total Height ±2mm.....	98/3.86
Application.....	Electrical Bicycle, Fishing Lights.

EVP12-12 Battery discharge characteristics (25 °C/77 °F)



Battery Charging Characteristics

(Typical example of the charge characteristic for the cycleuse)



Charging Procedure

Application	Charging method	Charging Voltage at 20 °C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.1CA, 20 °C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~40 (32~104°F)
For cycle service		2.40~2.50	-4	0.3	16	10	

*Temperature compensation of charging voltage is not needed, when using the batteries within 5 °C to 35 °C range.

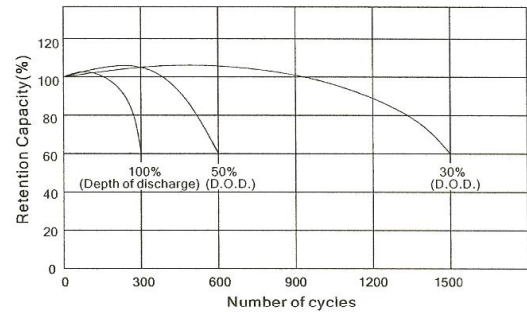
Battery Life Characteristics of Cyclic Use

Testing Conditions : Discharge Current : 1C Amp (F.V. 1.60V/cell)

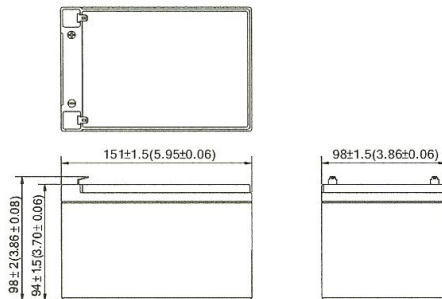
Charging Current : 0.1C Amp

Charging Volume : 120% OF Discharge Capacity

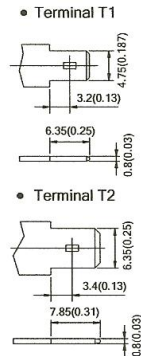
Ambient Temperature : 20 °C (68 °F)



OUTER DIMENSIONS mm (inch)



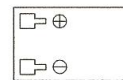
TERMINAL TYPE mm (inch)



Constant power discharge characteristics at 25°C/77°F

Final Voltage	Discharge time								
	5Min	10Min	15Min	30Min	45Min	1Hr	3Hr	5Hr	10Hr
Battery output power (W)									
10.80V	515	365	276	163	117	93.9	37.7	24.0	13.4
10.50V	597	396	290	170	122	97.0	38.7	24.5	13.7
10.20V	634	411	299	174	124	99.1	39.4	24.7	13.8
9.90V	662	421	305	178	126	100.1	39.8	24.9	13.8
9.60V	684	428	311	180	127	100.8	39.9	24.9	13.8

TERMINAL POSITION



B.B. BATTERY CO., LTD. Web Site: <http://www.bb-battery.com>

USA :
B&B BATTERY (USA) INC.
6415 RANDOLPH ST. COMMERCE,
CA, 90040 U.S.A.
TEL: 1-323-278-1900 1-800-278-8599
FAX: 1-323-278-1268

CHINA FACTORY:
CHENG DONG TRIAL AREA, HUANG GANG,
RAOPING GUANG DONG, CHINA, 515700
TEL: 86-768-7601001-2
FAX: 86-768-7601469

UK:
B & B BATTERY (UK) CO., LTD.
TEL: 44-161-339-9458
FAX: 44-161-343-7030

HONG KONG:
NATIONAL TRADING LTD.
TEL: 852-2301-3800
FAX: 852-2739-1182

JAPAN:
B & B BATTERY (JAPAN) CO., LTD.
TEL: 81-426-256-537
FAX: 81-426-256-537

TAIWAN:
B & B BATTERY CO., LTD.
TEL: 886-6-5898081~3
FAX: 886-6-5898087



MH19884



BATTERY CHARGER – 1202S CHARGER

This charger is a solid-state battery charger designed to charge your 12-volt battery and maintain and hold it to a full charge. This charger will keep your battery fully charged and will never over charge your battery.

The conventional linear battery charger is an electrical device whereas; the 1202S is a light weight sophisticated electronic device. Most battery chargers use linear technology which converts the 115VAC to 12VDC at 60Hz. This requires a large transformer which has the disadvantage of lower efficiency, larger size and weight resulting in higher heat generation.

The 1202S battery charger transforms the 115VAC into 12VDC at about 100,000 Hz (1667 times faster than conventional chargers), which requires a much smaller transformer and this results in a unit of smaller size, low weight and improved efficiency.

Operating Instructions

1. Connect the charger to the battery.
2. Connect the charger to an AC outlet. The Green LED will turn Orange.
3. When the LED is Orange your battery is charging.
4. When the LED turns **Green** your battery is fully charged. Remember, you can leave your charger on after the battery is fully charged.

IMPORTANT SAFETY INSTRUCTIONS

1. Before using any battery charger, read all instructions and caution warnings on the battery you are charging, and the item the battery is being used in.
2. CAUTION-To reduce the risk of injury; charge only 12-volt wet-lead-acid, sealed-lead-acid, gel, and absorbed matt batteries.
3. Do not let charger get wet.
4. To reduce the risk of damage to the plug and cord, pull the plug only to disconnect the charger.
5. Extension cords should not be used.
6. Do not operate the charger with a damaged plug or cord.
7. Do not use the charger if it has been damaged in any way.
8. Do not disassemble charger.
9. To reduce the risk of electrical shock, always unplug the charger from the outlet and the battery before cleaning or attempting any maintenance.

Features

1. Totally Automatic Switch-Mode Battery Charger ĩ Suitable for Gel, Sealed & Wet Lead Acid Batteries.
2. 12 Volts, 1 Amp Constant Current ĩ Equivalent to 2 Amp Tapered Charger in Charging time.
3. Input - 115VAC (Range - 90VAC to 132VAC).
4. Automatic Cut-off and then True Float charging. Can be left connected indefinitely without harming the battery.
5. De-sulfation of battery ĩ Increases battery life.
6. Both UL and cUL (CSA) listed.
7. Meets FCC Class B. High level of electro-magnetic interference filtering.
8. Suitable for off-board application. Optional on-board inhibit can be provided.
9. Very small size and light weight.
10. Uses sophisticated electronic circuitry with microchips. All present day computers use switch-mode technology.

Input Requirements

1. 90VAC to 132VAC
2. 47 to 63 Hz

Input AC tolerance +/- 20%. This means the charger will operate satisfactorily in areas where the input voltage is low. This charger is also suitable for every part of the world where 115VAC is used and for Japan where input is 100VAC.

Output

1. 1 Amp Constant Current @ 12 Volts DC. Equivalent to 2 Amps tapered charger in charging time.
2. Line regulation at Full Load = 1%
3. Load regulation @ 4%
4. Ripple Voltage ĩ Very low 1%
The peak to peak ripple voltage into a resistive load is less than 200mV for the output voltage above 12 VDC.

Charging Cycle

Stages	Condition	Mode*	Current	Voltage	LED Indication
Stage 1	Charging Pulse Mode	Pulse Mode	1A Pulsing	0.5 to 5.0V	Flash
Stage 2	Constant Current Mode	CC Mode	1A	5.0V to 14.7V	Orange
Stage 3	Constant Voltage Mode	CV Mode	Reduces from 1A ***	Holds at 14.7V	Orange
Stage 4	Standby Voltage Mode	Standby CV Mode	Reduces to zero	Maintains 13.6V	Green
	Recharging Mode	CC Mode	1A	12.5V	Orange

*CC Mode = Constant Current Charge

*CV Mode = Constant Voltage Charge

***See Stage 3 Description Below

LED is used to show the charging status. When the LED is ORANGE, the charger is in charging or recharging mode and the current is at 1 Amp constant. When the LED is GREEN, the charger is in Standby mode and no current (zero) is flowing.

Stage 1: Deep Discharge Charging Pulse Mode: LED Flash

The charger starts charging at 0.5V and give pulse current up to 5V. This has effect of removing loose sulphation formed during deep discharge state of the battery.

Stage 2: Constant Current Mode (CC): LED Orange

The charger changes to constant current 1A. When the battery voltage reaches up to 14.7V the charging stage changes from CC (Constant Current) to CV (Constant Voltage) mode.

Stage 3: Constant Voltage Mode (CV) LED Orange

The charger holds the battery at 14.7V and the current slowly reduces. When the current reaches 0.5CC, this point called the Switch Point. The Switching Point is one of the great features of this battery charger that can adjust the current automatically according to the battery capacity. Other chargers are not capable of adjusting the current automatically.

Stage 4: Standby Voltage Mode: LED Green

The charger maintains the battery voltage at 13.6V and the current slowly reduces to zero. Charger can be left connected indefinitely without harming the battery.

Recharging: LED Orange

If the battery voltage drops down to 12.5V the charger changes from any mode to Constant Current Mode and will restart charging. The charging cycle will go through Stage 2 to Stage 4.

Protection

1. Reverse polarity protection is provided
2. Short circuit protection is provided
3. Over voltage protection is provided
4. Over current protection is provided
5. AC surge protection - provided

Soft Start and Stop

Starts and stops gradually. No sudden in-rush current. This protects both the batteries and any other circuits connected to the charger.

De-sulfation of Battery

The charger will remove loose sulfation and increase the battery life. (hard sulfation cannot be reversed.)

Electromagnetic Interference (EMI)

The charger will not generate excessive radiated or conducted emissions. No interference with TV, radio, computer or other equipment. Meets FCC Class B.

Size and Weight

Length	3.5"
Width	2.3"
Height	1.5" Plus the AC pins length
Weight	7 oz (200 grams)

TROUBLESHOOTING

PUMP WILL NOT START:

- ✓ Fuse or breaker
- ✓ For correct voltage ($\pm 10\%$) and electrical connections
- ✓ Pressure switch operation and correct voltage at switch or motor wire (as equipped)
- ✓ Rectifier or motor for open or grounded circuit
- ✓ For locked drive assembly

WILL NOT PRIME: (No discharge/motor runs)

- ✓ Tank, empty of product
- ✓ Tip for debris. Unscrew tip and remove any debris
- ✓ Inlet tubing/plumbing for debris.
- ✓ Inlet/Outlet tubing severely restricted (kinked)
- ✓ Debris in pump inlet/outlet valves
- ✓ Proper voltage with the pump operating ($\pm 10\%$)
- ✓ Pump housing for cracks

LEAKS FROM PUMP HEAD OR SWITCH:

- ✓ For loose screws at switch or pump head
- ✓ Switch diaphragm ruptured or pinched

PUMP WILL NOT SHUT-OFF: (Pressure switch equipped)

- ✓ Output line closed and no leaks
- ✓ For air trapped in outlet line or pump head
- ✓ For correct voltage to pump ($\pm 10\%$)
- ✓ Inlet/Outlet valves for debris or swelling
- ✓ For loose drive assembly or pump head screws

NOISY / ROUGH OPERATION:

- ✓ Mounting feet that are compressed to tight
- ✓ Does the mounting surface multiply noise (flexible)
- ✓ For loose pump head or drive screws
- ✓ Is the pump plumbed with rigid pipe causing noise to transmit

PARTS

Parts for the Actisol® Perimeter Pro can be ordered through your chosen distributor. Follow your normal ordering procedures and please have the product number and description prepared before ordering.

SERVICE

For technical support call 1-877-ACTISOL (228-4765).

If the Actisol® Perimeter Pro requires factory service be sure to **Drain the Tank** and pack the unit in its original carton and packing material for shipping. If the original carton is not available, pack the unit a durable box and protect the unit as best you can. If using foam packing materials, be sure to place the unit in a plastic bag before adding materials to carton.

Ship the unit with a description of the problem, a contact name and phone number, and a return shipping address to:

Environmental Delivery Systems, Inc.

314 Morningside Drive
Friendswood, TX 77546

281-993-0019 ï Phone
281-993-1112 ï Fax
www.actisol.com

Note: Post warranty service will be billed for parts, labor, packaging (if needed), and freight.

PRODUCT LIMITED WARRANTY

Environmental Delivery Systems, Inc. and its products are warranted to be defect free in materials and workmanship under normal use, for a period of (1) year from the date of manufacture or (1) year of use, with proof of purchase. This limited warranty will not exceed (2) years, in any event.

Environmental Delivery Systems, Inc. shall not be liable for freight damage incurred during shipping. Package returns carefully. If the original carton is not available, pack the unit in a durable box and protect the unit as best you can. If using foam packing materials, be sure to place the unit in a plastic bag before adding materials to carton.

Environmental Delivery Systems, Inc.'s obligation under this warranty policy is limited to the repair or replacement of the unit. All returns will be tested per Environmental Delivery Systems, Inc. factory criteria. Units found not defective, under the terms of this limited warranty, are subject to the charges paid by the returnee.

Warranty replacement will be shipped on a freight allowed basis. Environmental Delivery Systems, Inc. reserves the right to choose the method of transportation.

This limited warranty is in lieu of all other warranties, expressed or implied, and no other person is authorized to give any other warranty or assume obligation or liability on Environmental Delivery Systems, Inc.'s behalf. Environmental Delivery Systems, Inc. shall not be liable for any labor, damage or other expense, nor shall Environmental Delivery Systems, Inc. be liable for any indirect, incidental or consequential damages of any kind incurred by the reason of the use or sale of any defective product or part.

Return Policy

All units must be flushed of any chemicals before shipping. Carriers, including U.S.P.S., airlines, UPS, ground freight, etc. require specific identification of any hazardous materials to be shipped. Failure to do so may result in a substantial fine and/or prison term. Check with your shipping company for specific instructions.

All Units must be flushed of any chemical (ref. OSHA Section 1910.1200 (d)(e)(f)(g)(h)) and ***NO*** hazardous chemicals will be accepted for service or warranty consideration. Environmental Delivery Systems, Inc. reserves the right to request a Material Safety Data Sheet from the returnee for any product it deems necessary. Environmental Delivery Systems, Inc. reserves the right to disposition as scrap any products returned which contain unknown fluids. Environmental Delivery Systems, Inc. reserves the right to charge the returnee for all costs incurred for chemical testing and proper disposal of components containing unknown fluids. Environmental Delivery Systems, Inc. requests this in order to protect the environment and personnel from the hazards of handling unknown fluids.

Returns are to be shipped prepaid to:

Environmental Delivery Systems, Inc.
314 Morningside Drive
Friendswood, TX 77546
www.actisol.com