

SpotOn®

Portable Spray Case

- 1 Year Warranty
- Made In USA



29480

Product Manual

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1.0 Safety Information

Caution should be exercised while using this spray case to assure the safety of the user. This spray case is a low voltage battery powered device which should not cause electrical hazard to a user when operating. However, please use caution not to service this product or connect it to the charger in a wet environment.

It is possible for this product to cause overspray. Overspray may create an environment that can be very slippery when water is sprayed onto a floor. Please use caution when working around these types of environments due to the possible slipping hazard.

This Spray Case is meant to be used with **water only**. No other chemicals should be used with the SpotOn Spray Case. If other chemicals are used this will void the warranty and may cause the unit to fail.

2.0 Introduction

2.1 Spray Case Diagram

5A Fuse
On/Off Switch
Indicator Light

Removable 3-Position Nozzle
Body w/ Quick Disconnects &
Check Valve

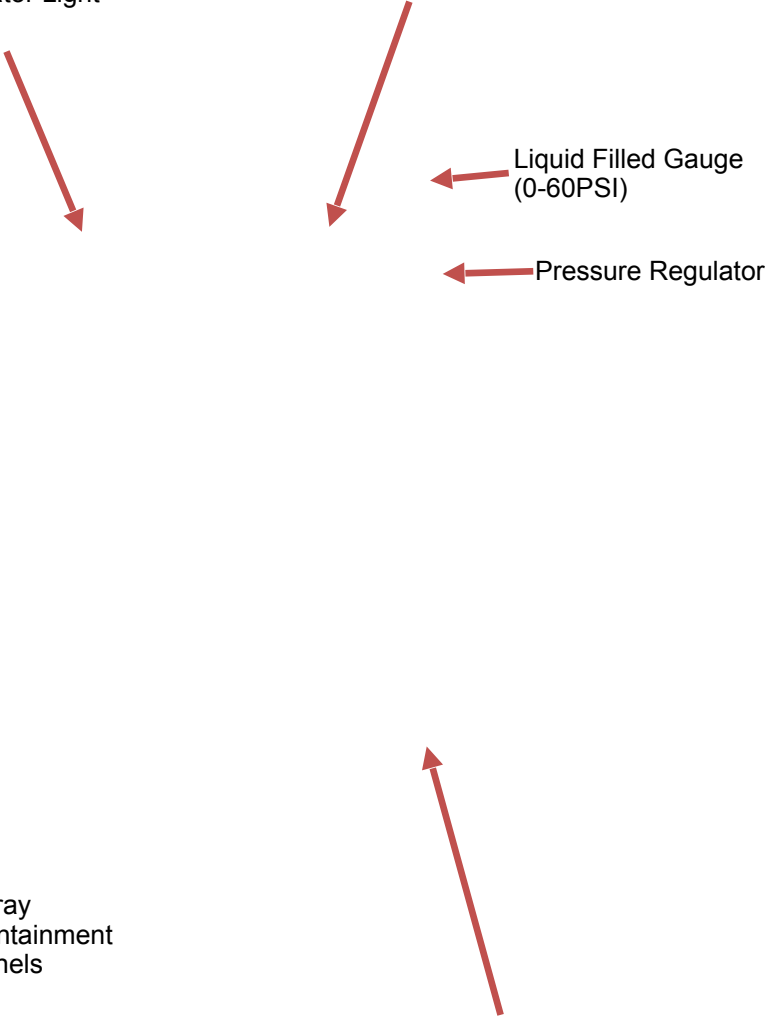
Liquid Filled Gauge
(0-60PSI)

Pressure Regulator

Spray
Containment
Panels

4

Anti-Splash Pad
With Reservoir Underneath
(1-2 gal capacity)





2.2 Features

Demonstrate spray nozzles and test equipment anywhere!

Great for:

- Tradeshows
- Pesticide Educators
- Field Days

- Sales Persons

Features an ultra-portable design that is battery powered and folds completely into an oversized brief case for easy transport or shipping.

- Battery Powered (No AC Power Required)
- Self-Contained
- Robust Construction
- Quick 2 minute Set-Up and 5 minute Tear-Down
- Includes Charger, Nozzle Body, and 1 Gal. Jug
- Requires Only 1 Gallon of Water
- Hours of Run-Time
- One Year Warranty
- Made In USA

3.0 Specifications

Size & Weight: Open: 19"W x 19"D x 24"H (48cm x 48cm x 61cm)
Closed: 19"W x 17"D x 8"H (48cm x 43cm x 20cm)
Weight: 25lbs (11.34 Kg) * Weight without water

Output: 1.25 GPM (4.75 lpm) @ 20 PSI (1.4 Bar)
0.90 GPM (3.42 lpm) @ 40 PSI (2.8 Bar)
0.50 GPM (1.90 lpm) @ 60 PSI (4.1 Bar)
60 PSI (4.1 Bar) Max Pressure

Battery: Internal Battery Recharges Overnight
2-3 hrs Continuous Operation (no AC power)
3-4 hrs Continuous Operation (w/ charger running)
8+ hrs Intermittent Operation (no AC power)

Includes: Sprayer Unit, 110v battery charger, 1 gal water jug,
3-position quick change nozzle body, and user's manual
(It all stores in the case!)

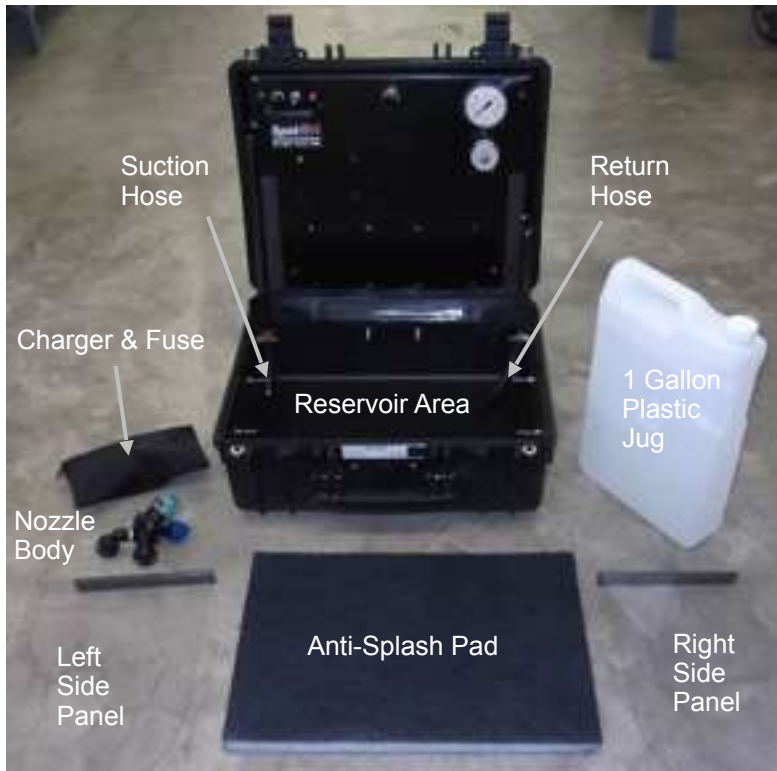
Set-Up Time: 2 minute Set-Up (Requires 1 gallon of water)

Tear-Down Time: 5 Minute Tear-Down

Gauge Accuracy: +/- 1.0 Psi

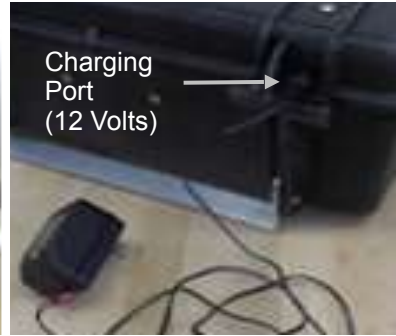
4.0 Set-up & Operation

Note: See Demo Video on www.Youtube.com
(Search: SpotOn Spray Case)



4.1 Charging the Battery

Assure the fuse is installed (unit will not charge if fuse is missing or faulty). Charger and fuse are located in black zipper pouch. The fuse holder is located at the top left next to the pump switch and indication light.



The charging port is located on the back of the Spray Case next to the hinge. Allow up to 12 hours for full charging of battery. The unit may be operated with the charger attached (this will extend the operating time as well).

2. Setup

- Step 1** Remove all parts from the reservoir.
- Step 2** Place the anti-splash pad on top of the support screws.
- Step 3** Attach the side walls as shown (they are magnetic).
- Step 4** Secure the nozzle body in place.



4.3 Adding Water

Fill the included 1 gallon plastic jug with water. Poor the water through the anti-splash pad. Set the empty container aside until tear down.



4.4 Unit Operation

Once the battery is charged and the reservoir filled with water, the Portable Spray Case can be operated.

Attach your nozzles and orient the desired nozzle straight down. Flip the toggle switch to the on position and allow the pump time to prime. Use the pressure regulator to adjust operating pressure (turn clockwise to increase pressure, counter clockwise to decrease pressure). The pump is equipped with an overpressure switch that will shut off the pump when maximum pressure is exceeded. The indicator light on the upper left of the spray case will show bright red with power is applied to the pump. If this light is on and the pump is not running this is probably due to the overpressure switch.

If foaming is a problem:

Addition of a drop or two of anti-foam agent will control foaming. Over use of anti-foaming agent can modify the droplet size of the nozzle so use caution not to add more than necessary.

5.0 Teardown

5.1 Draining the Water

Remove the spray nozzle from the nozzle body and remove the anti-splash pad. Place the empty plastic jug under the nozzle assembly.

Turn on the pump allowing the water to flow into the jug. Close the pressure regulator valve (clockwise) to keep any water from recirculating.



As the reservoir begins to empty, tilt the spray case slightly toward the suction hose. This will allow the reservoir to empty more completely. Once the pump can no longer suck the water out of the reservoir, shut off the pump and open the pressure valve. Any water left in the bottom of the case will have to be wiped out with a towel.





5.2 Packing the Unit

Once the case is wiped dry, shake the diffuser pad out and place inside included Ziploc bag. Place the Side Panels inside the second included Ziploc bag to protect them from scratches.



Place the water bottle accessory pouch and nozzle body head directly on the bottom surface of the case.



Next place the side panels on top of the plastic jug with “lips” pointing down.

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Finally place the diffuser pad in the case. The Spray Case is now ready to close!

6.0 Trouble Shooting

Why is no water coming out of the spray nozzle?

1. Verify the pump is operating. (see below for solution)
2. If the pressure regulator valve is too far open not enough pressure can build to overcome the check valve turn-on pressure. Fix this problem by turning the pressure regulator valve clockwise to increase pressure at the nozzle.
3. Verify the 3-position quick change nozzle body is not positioned in between nozzles. It is possible to completely stop flow from the nozzle by rotating the nozzle body half way in between two positions.
4. Verify there is nothing blocking the suction hose inlet filter. (see Maintenance section)

Why won't the pump turn on?

1. Make sure the battery has been fully charged. The battery will not charge if there is no fuse in the fuse holder or it is faulty.
2. If the fuse is faulty replace the fuse and recharge the battery. The fuse is a 5 amp slow acting, 1¼ inch long size.

Why is the pump cycling on and off?

1. Your pressure regulator is may be completely closed not allowing enough water to escape the system. Open the valve to reduce the overall pressure in the system.
2. The overflow line might be clogged or pinched shut. Clear the clog or reposition hose so it will no longer be pinched.

7.0 Maintenance

- Drain and dry all components of the Spray Case if it will be stored for more than a few days.
- Wipe down all exposed parts especially containment wall to avoid water spots.
- Allow the battery to charge for a full 8-12 hours between uses. The deeper the discharge of the battery the shorter the expected battery life.
- Remove any foreign objects from the reservoir.
- Clean the filter on the bottom of the intake hose. The screen will stop any foreign object that will obstruct or damage the pump.



Intake Screen (On left hand side hose)

8.0 Warranty & Service

One Year Warranty

Innoquest, Inc. warrants this product to be free from defects in materials and workmanship under normal use and service for a period one (1) year from date of purchase. This warranty extends only to the original purchaser and shall not apply to any product which, in Innoquest's sole opinion, has been subject to misuse, alteration, abuse, or abnormal conditions of operation or handling. Innoquest's obligation under this warranty is limited to repair or replacement of the product which is returned to Innoquest. Innoquest accepts no liability for whatever damages may be caused by a malfunctioning product.

Repair & Service Policy

Product returned to Innoquest for repair or service must follow the guidelines set forth as follows: Return of the product for warranty or service repair will be the responsibility of the purchaser (Innoquest does not pay inbound shipping charges). All returns must receive an RMA number by **calling** Innoquest prior to return of the product. The RMA number must be clearly marked on the outside of the shipping carton. If the customer is returning product for non-warranty related repair or service, a minimum charge will apply for accessing the product's repair needs and further work will not be completed without the customer's approval.

Notes:

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