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# Spot Sprayer Owner's Manual

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Models: SP15D1,  
SP15D2, SP25D2,  
SP25D5

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**PK Products**  
1910 Lookout Drive  
North Mankato, MN 56003  
[www.pkproductline.com](http://www.pkproductline.com)

# 15 & 25 GALLON 12-VOLT SPOT SPRAYER OWNER'S MANUAL

## OPERATION:

1. Partially fill tank with just a few gallons of water for testing.
2. Make sure all connections are secure. CAUTION: Do not over-tighten plastic fittings! They will strip.
3. Make sure your lead wires are securely attached to the battery posts. Use the in-line switch to turn on the pump. The pump should immediately begin pumping. If it does not pump, check the plug connections and the alligator clips at the battery. The pump should pump until it reaches maximum pre-set spraying pressure of about 45 PSI, then it should turn off. Now squeeze the trigger mechanism on your spray wand. It should begin spraying and the pump will resume pumping. With spray gun spraying, adjust the tip spray pattern (wide fog to straight stream) by turning the tip clockwise to fit your spraying need. Release the trigger and it should shut off. Occasionally, the pump will turn on and off rapidly. This is called cycling. Locate and turn the adjusting screw (in the pressure switch of the pump) clockwise until the pump motor runs steady. You are now ready to begin spraying. Mix all chemicals according to manufacturer's recommendations.

## MAINTENANCE:

### WARNING: DRAIN, FLUSH, NEUTRALIZE & FLUSH AGAIN!

**WHY?** If sprayer is not drained and is left untreated for more than two days, chemicals or chemical residue can cause damage to the internal components of the pump and gun. Chemical residue can cause damage to the valves, diaphragms and packings that will cause them to leak or fail. This is called "chemical attack" and is normally not covered under warranty and could be costly to repair.

**WHEN?** After spraying chemicals, changing from one chemical to another or getting ready for storage or winter.

**HOW?** It is recommended to always drain, flush and neutralize the "Nutra-Sol" or other chemical neutralizers, rinse and drain again. Other neutralizers could be recommended by the chemical manufacturer(s) or your county extension agent. Nutra-Sol is available at PK Products or at most of our dealers. To neutralize your sprayer, mix neutralizer according to the manufacturer's recommendation and running it through the sprayer gun until neutralizer mixture is emptied from tank. Always read and follow chemical manufacturer's instructions for mixing and disposing of wastewater from sprayer.

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**Symptoms of chemical attack:**

1. Pump motor runs with little or no pressure.  
Remedy: Needs valve repair kit or replace pump.
2. Pump leaks.  
Remedy: Needs diaphragm repair kit or replace pump.
3. Spray gun handle leaks.  
Remedy: Replace gun.

**WINTER STORAGE:**

Any chemical/water mixture should be drained from the sprayer. Flush and neutralize the sprayer as explained above in the maintenance section. Winterize the sprayer by flushing the sprayer with a gallon of a non-petroleum based (non-toxic) RV anti-freeze (100% solution). Cycle the anti-freeze through the sprayer and leave it in the sprayer over the winter. In the spring, drain and flush the anti-freeze from the sprayer before using it again.

**WARRANTY:**

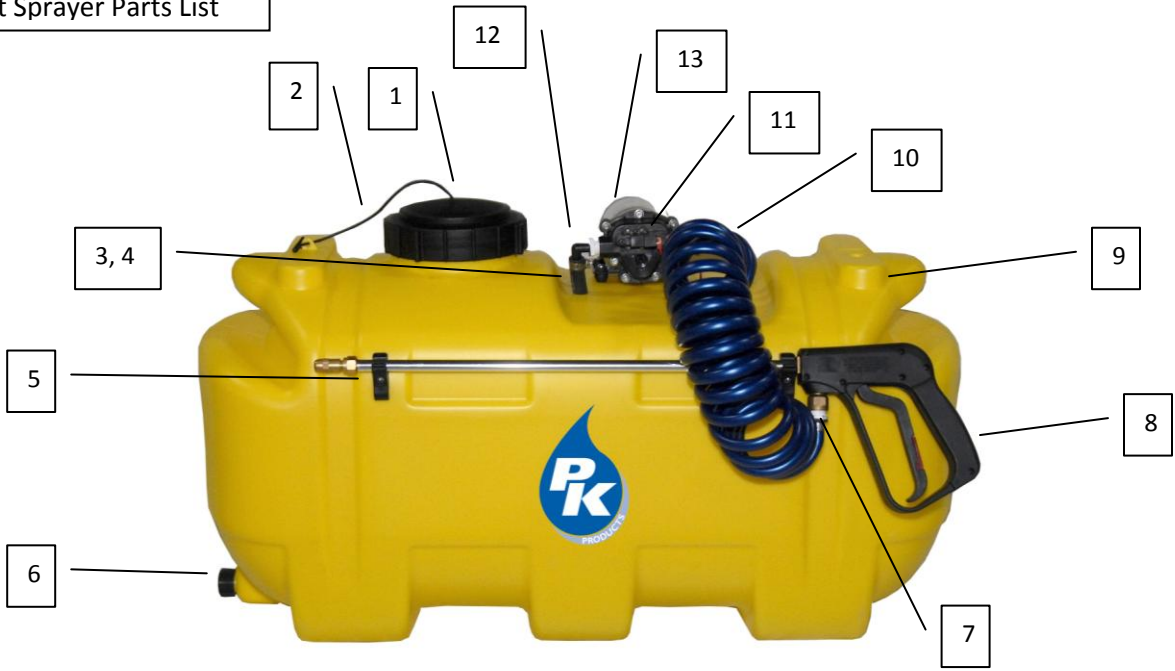
Your PK Sprayer authorized dealer is the best resource for parts and service. Please have your model number and purchase date available when you call your dealer. In most cases, issues can be resolved over the phone.

PK Sprayers are warranted for one year from date of purchase against manufacturer defect. Commercial users receive a 6-month warranty.

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PK Products  
Spot Sprayer Parts List



| PK Products – Spot Sprayer Parts List |                         |  |  |
|---------------------------------------|-------------------------|--|--|
| Item #                                | Part #                  | Description  | Retail Price<br><i>(Subject to change)</i> |
| 1                                     | 20035                   | Tank lid   | 3.78                                       |
| 2                                     | 20873                   | Lanyard  | .67  |
| 3                                     | 28218                   | 3/8" x 18" hose  | 1.17                                       |
| 4                                     | 23338                   | Strainer Filter  | .90  |
| 5                                     | 22100                   | Hand gun clip kit  | .93  |
| 6                                     | 23340                   | Drain cap  | .54  |
| 7                                     | 20005                   | Hose clamp 3/8"  | .84  |
| 8                                     | 25518                   | Deluxe hand gun  | 23.64                                      |
| 9                                     | 20015<br>20025          | 15-gallon tank only<br>25-gallon tank only                     | 47.85<br>62.49                             |
| 10                                    | 23815                   | 3/8" x 15' coiled hose   | 9.00                                       |
| 11                                    | 20120                   | Switch kit   | 6.00                                       |
| 12                                    | 23888<br>23488          | 3/8" Elbow fitting<br>1/2" X 3/8" Elbow fitting                | .60<br>.75                                 |
| 13                                    | 22301<br>27812<br>25850 | 1-GPM Delavan pump<br>2-GPM Delavan pump<br>5-GPM Delavan pump | 58.50<br>107.85<br>163.11                  |

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