

# E-Z Gel™ Professional Application Sprayer



## Instructions for Use

### SAFETY PRECAUTIONS:

- Do not fill with, use or spray flammable materials.
- Do not use gasoline, acid, acetone, caustic or potentially injurious chemicals in this container.
- At the time of manufacture of this sprayer, we are not aware of any approved plant protection chemicals which would adversely affect this sprayer when applied in their usual concentration.
- Observe the recommendations in the **E-Z Gel™ Drain Cleaner Instructions for Use**.
- Prior to removing any part of the sprayer pull the pressure relief valve to release any pressure in the tank.
- Pressure relief valve will actuate at 45 psi.
- Wear rubber gloves, safety goggles and appropriate protective clothing.
- After pumping be sure handle is in the locked down position.
- Individuals should be trained in the proper use of this sprayer. Where training is not available, individuals should study and follow the procedures detailed in this IFU.



### WARNING:

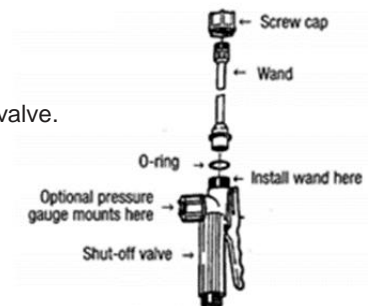
Chemicals can be harmful to individuals and the environment if improperly used. In addition, some chemicals are caustic, corrosive, or poisonous and should be avoided. Read warnings and chemical manufacturer's instructions. High-density polyethylene sprayers are fitted with Viton® seals which are resistant to a wide variety of agricultural, industrial and household chemicals; however, care should be exercised to ensure that sprayer components are clean, functioning properly, and in a good state of repair before and during use.

**ALWAYS WEAR RUBBER GLOVES, SAFETY GOGGLES AND APPROPRIATE PROTECTIVE CLOTHING.**

- Read and follow instructions for use.
- Do not fill sprayer over maximum fill mark. Releasing pressure in an overfill condition can cause harmful venting of sprayer contents.
- Relieve pressure only with sprayer upright and while standing on the side of the sprayer opposite the pressure relief valve. Venting of sprayer contents can occur if liquid is over bottom of relief valve.
- CAUTION: To prevent injury from ejected pump assembly and/or solution, never stand with face or body over the top of the tank when pumping or loosening pump.
- Do not modify sprayer or pressure relief valve.
- Never spray in the direction of humans, animals or property which might be injured or damaged by spray formula.
- Do not use liquids with a temperature above 120°F (45°C).
- Do not inflate sprayer without liquid in the tank.

### ASSEMBLY INSTRUCTIONS FOR WAND

1. Ensure that the O-ring is on the non-threaded end of the wand.
2. Insert the non-threaded end of the wand into the O-ring into the open end of the shut-off valve.
3. Tighten the screw cap.



**OPERATION:**

- Before using sprayer with chemical, fill sprayer with fresh water to assure that you have it properly assembled; pressurize and then practice spraying. When thoroughly familiar with sprayer operation, follow normal operating procedures.
- Turn pump handle counter clockwise to remove.
- Fill tank with premixed formula up to desired level. **(Do not exceed maximum fill mark.)**
- Tighten cap and pump assembly for a good seal.
- Pump to a maximum 45 psi or 3 bar pressure. The valve stem on the pressure relief valve will rise up to vent excess pressure over 45 psi.
- Start or stop spraying by squeezing or releasing the lever on the shut-off valve.
- Prior to every removal of pump, release pressure first by pulling up on the pressure relief valve stem.

**CLEANING:**

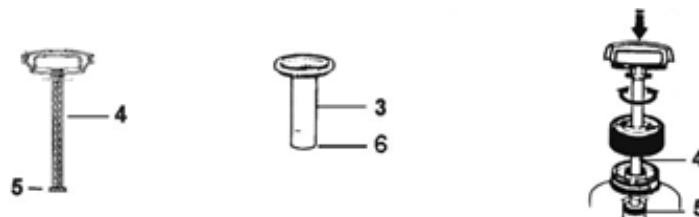
- Carefully clean sprayer after every use.
- Pour or spray all remaining chemical out of sprayer.
- Pour a small amount of water into the tank.
- Pressurize and spray through system until all liquid is gone.
- Repeat process with warm soapy water.
- Repeat process with warm clear water.
- Use an absorbent cloth to dry all internal surfaces.
- Do not use aggressive or abrasive cleaning agents.

**MAINTENANCE:**

- Prior to storage; empty, clean and dry sprayer.
- Always store the sprayer in a dry area, protect from freezing, heat and sunlight.
- Lubricate O-ring in pressure relief valve with non-water-soluble grease on a regular basis. (i.e., **RPC Item# A100-0000- Silicone O-Ring Grease 5.3 oz**)

*Disassembly: Unscrew pressure relief valve from tank and pull the valve body out of the screw cap. Clean, lubricate, and replace.*

**Pump Maintenance – NOTE:** Pump pressure sealing is accomplished with an O-ring (5) on the pump piston (4) which moves within the cylinder (3). Periodically this O-ring should be greased with a non-water-soluble grease (i.e., RPC Item# A100-0000). If worn, it should be replaced. A small umbrella valve at the bottom of the cylinder prevents the formula from entering the cylinder. Keep these parts clean and replace if worn.



*Disassembly: Unscrew pump assembly from tank. Carefully remove umbrella valve (6) from the bottom of cylinder (3). While holding cylinder firmly with one hand and the handle of the pump piston (4) firmly in the other, with the piston fully inserted in the cylinder, pull back on the piston quickly and forcefully. To re-assemble, place the piston assembly back into cylinder, place heel of hands on opposite sides of the tank cap, while keeping cylinder in place with fingers, tap bottom of cylinder against a flat padded surface. Assembly will lock into place.*



**REF EG-SPR-1**

**Tank Cap:** A small amount of non-water-soluble grease on tank cap threads and both sides of the gasket eases tightening and loosening.

**Regular Inspection:** Inspect and replace worn or damaged parts promptly. Pay particular attention to tank cap gasket, pressure relief valve and seal, umbrella valve O-rings and seals throughout sprayer. Regular lubrication of O-rings and seals is recommended. (i.e., RPC Item# A100-0000)

**Note:** Always wear rubber gloves, safety goggles and appropriate protective clothing when repairing a sprayer. Once a repair is completed, fill the unit with clean water, pressurize, and check for leaks. If the sprayer leaks, DO NOT USE. Repair leaks and re-check.

SERVICE AND REPAIR SECTION HANDHELD SPRAYER TROUBLE SHOOTING GUIDE		
PROBLEM	CAUSE	SOLUTION
Difficulty in moving pump handle	Dirty cylinder wall	Remove piston, clean, grease and replace
	O-ring on piston swollen (not cleaned properly)	Replace O-ring, grease
Low pressure & resistance during pumping	No lube on piston/cylinder	Lubricate with heavy grease
	Damaged O-ring in pressure relief valve	Replace O-ring
	Worn or Damaged O-ring in shut-off valve	Replace O-ring
	Tank cap not tight	Tighten cap
Leaks from end of spray wand	Worn or damaged O-ring in shut-off valve	Rebuild shut-off valve
Leaks from inside cylinder	No lube on piston cylinder	Lubricate piston, O-ring and cylinder
Leaks under cap	Worn or damaged umbrella valve	Replace umbrella valve at bottom of cylinder
Leaks from shut-off valve	Damaged or missing gasket	Replace gasket
Leaks from hose	Screw cap not tight	Tighten tank cap
Pressure relief valve sticks	Worn, damaged or loose fittings, lack of lubrication	Tighten fittings and replace worn parts, disassemble and lubricate O-rings
Air leak – air coming out between the halves of the pump support	Worn, damaged or loose fittings	Tighten fittings and replace worn parts
	Lack of lubrication or contaminated relief valve	Clean and lubricate pressure relief valve assembly
	Tank cap not tight	Tighten tank cap
	Gasket twisted or lacking lubrication	Straighten gasket and lubricate with grease
	Tank lip damaged	Repair or replace tank

**CUSTOMER SERVICE COMMITMENT FROM RPC**

In the event the sprayer you have purchased has missing or damaged parts, please call (800) 647-3873, 6:00 AM—4:30 PM MST. In order to assist your customer service representative, please have the following information available: sprayer part number, purchase order or RPC invoice number.