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Hobby Homebrew AG529

Hobby Homebrew CLEAN IN PLACE (CIP) Spray Head Kit AG529 Instruction Manual

Model: AG529

1. PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the Hobby Homebrew CLEAN IN PLACE (CIP) Spray Head Kit, Model AG529. This kit is designed to automate the cleaning process for brewing equipment, compatible with Brewzilla pumps and other major brewing pump brands. It features a 1-inch diameter rotating spray head with 6 radial spray ports for comprehensive cleaning.

Key Features:

- 1-inch diameter rotating spray head with 6 radial spray ports for effective cleaning.
- Quick and easy installation.
- Requires a minimum flow rate of 3 Gallons Per Minute (GPM).
- Includes spray head, head side barb, and stiff high-temperature tubing.
- Adaptable for custom fitting into various vessels such as fermenters, kettles, boilers, keg lids, or keg cleaners.
- Designed to attach to 1/2-inch high-temperature tubing.



Figure 1.1: Assembled CIP Spray Head Kit showing the spray head, barb, and nut.

2. SETUP AND INSTALLATION

Follow these steps to properly install your CIP Spray Head Kit:

1. **Identify Components:** Ensure you have all parts: the spray head, the head side barb, and the securing nut.
2. **Assemble Spray Head:** Thread the spray head onto the head side barb.
3. **Connect Tubing:** Attach 1/2-inch high-temperature tubing to the barb. Ensure a secure connection to

prevent leaks.

4. **Mounting:** Insert the assembled spray head and barb through the desired opening in your fermenter, kettle, boiler, keg lid, or keg cleaner. Secure it in place using the provided nut on the exterior of the vessel.
5. **Pump Connection:** Connect the other end of the 1/2-inch high-temperature tubing to a suitable pump capable of delivering a minimum of 3 GPM flow rate.



Figure 2.1: Disassembled CIP Spray Head Kit showing the individual components: nut, barb, and spray head.

3. OPERATING INSTRUCTIONS

Once the CIP Spray Head Kit is installed and connected to a pump, follow these steps for operation:

1. **Prepare Cleaning Solution:** Fill your vessel with the appropriate cleaning solution according to your brewing equipment's cleaning protocols.
2. **Position Spray Head:** Ensure the spray head is correctly positioned within the vessel to allow for full coverage.
3. **Activate Pump:** Turn on the pump. The pump should deliver a minimum of 3 GPM to ensure the spray head rotates effectively and provides thorough cleaning.
4. **Monitor Cleaning Cycle:** Allow the cleaning solution to circulate for the recommended duration. The rotating spray head will distribute the solution evenly across the interior surfaces.
5. **Rinse:** After the cleaning cycle, drain the cleaning solution and rinse the vessel thoroughly with clean water, using the CIP spray head for an effective rinse cycle.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your CIP Spray Head Kit:

- **Post-Use Cleaning:** After each use, rinse the spray head and tubing with clean water to remove any residual cleaning solution or debris.
- **Inspection:** Periodically inspect the spray head for any signs of wear, damage, or blockages in the spray ports. Ensure the rotating mechanism moves freely.
- **Storage:** Store the kit in a clean, dry environment when not in use.

5. TROUBLESHOOTING

If you encounter issues with your CIP Spray Head Kit, refer to the following troubleshooting guide:

- **Issue: Low or Inconsistent Spray Performance**
Possible Causes: Insufficient pump flow rate, kinked tubing, blocked spray ports.
Solutions:
 - a. Verify your pump is delivering at least 3 GPM.
 - b. Check the 1/2-inch high-temperature tubing for any kinks or obstructions.
 - c. Inspect the spray head ports for any debris and clear them if necessary.
- **Issue: Leaking Connections**
Possible Causes: Loose connections, damaged tubing or barb.
Solutions:
 - a. Ensure all connections, especially where the tubing attaches to the barb and the nut secures the assembly, are tight.
 - b. Inspect the tubing and barb for any cracks or damage and replace if necessary.

6. SPECIFICATIONS

Model Number	AG529
Manufacturer	KegLand

Item Weight	3.52 ounces
Package Dimensions	14.57 x 4.13 x 1.38 inches
Minimum Flow Rate	3 GPM
Tubing Compatibility	1/2-inch high-temperature tubing

7. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Hobby Homebrew customer service. Keep your purchase receipt for any warranty claims.