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Instructions for Use: Spray Gun #9060

Brand Name of Product	Spray Gun
Generic Name of Product	Spray Gun
Product Code Number(s)	9060
Intended Use	For use in the cleaning of items with water or air.
Range of Applications for Product	N/A
Key Specifications of Product	• Use with the "universal" slip-tip, or the optional quick connect set of tips for specialized functions. • Maximum water or air pressure 12 bar (172 psi).

Shipping & Storage	
Shipping Conditions & Requirements	N/A
Storage Conditions	N/A
Packaging Contents	N/A
Shelf Life	N/A

Instructions for Using Product	
Description of Use(s)	A tool to use in the cleaning of items with water or air.

Preparation for Use	• Best installed by a licensed plumber. Please contact Facilities and/or Engineering for installation of the spray gun. Installation of the spray gun is done by the facility.
	• Connection requirements
	  ○ Water connection:
	  ▪ Plumbing threaded tap or valve: 3/8-, 1/2- or 3/4-inch
	  ▪ Standard gun kit includes 3/4-inch female connection.
	  ○ Air connection:
	  ▪ If operated with compressed air, the tubing must be connected to the air supply by a suitable connector (Note: Cannot be supplied by Healthmark).
	  ▪ When connecting the gun to water or air below the counter, it is recommended that a rosette be installed.
	  • The rosette will minimize potential friction damage to the hose.
	  • Drill a 1 $^{3}/_{8}$ inches diameter hole in the counter or sink top to accommodate the rosette.
	• Prior to operation, ensure attachments are correctly seated on the safety cone.
	• If the spray gun is not in use, it must be assured the water or air pressure have been turned off.
	• When the hose of the Spray Gun is installed to the water line, a separate shutoff valve needs to be installed to the spigot. (Note: The spray gun is not a controller.)

Diagrams (drawings, pictures)	 

<table>
<tr><td></td><td>
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<tr><td>Figure 1: 9060 Spray Gun</td><td>Figure 2: 9060 Tip Attachments</td></tr>
<tr><td><u>Key to Spray Gun Components</u>
1. Gun Rinser Tip Holder complete kit
2. “O” Ring black 3 mm x 1-mm
3. Spiral Tension Pin
4. Trigger Handle
5. Grip for Spray Gun
6. Hose Connector
7. Gun Cap
8. Flow Control Kit</td><td></td></tr>
<tr><td>Figure 3: Flow Rate Controlled by Trigger handle</td><td></td></tr>
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<tr><td>Steps for Use of Product</td><td>1. Prior to operation, ensure attachments are correctly seated on the safety cone by firmly pushing them onto the spray gun rinse tip. Make sure the valve is open that is attached to the hose.
When in operation:
2. Do not point the Spray Gun at parts or orifices of the body. Compressed water or air jet may be harmful.
3. Wear the proper PPE according to facility policy.
4. (If required), adjust the maximum water or air pressure value using the small threaded nut located behind the trigger handle.</td></tr>
<tr><td>Interpretation of Test Results</td><td>N/A</td></tr>
<tr><td>Contraindications of Test Results</td><td>N/A</td></tr>
<tr><td>Documentation</td><td>N/A</td></tr>
<tr><td>Special Warnings and Cautions</td><td>● Facilities should independently verify any tubing for safe and effective performance that is not supplied by Healthmark. (Note: The liability for damage or injury is the responsibility of the facility.)
● Warranty claims will only be honored for components purchased from Healthmark.
● Do not use the Spray Gun for any medical treatments.
Before Operating:
● Ensure attachments are correctly seated to the body of the Spray Gun.
● Maximum water or air pressure to use is 12 bar (172 psi).
During Operation:
● Wear proper PPE according to facility policy.
● Do not point the Spray Gun at parts or orifices of the body. Compressed water or air jet may be harmful.
●
When Not Operating:
● If Spray Gun is not in use, it must be assured water or air pressure have been turned off and the system is depressurized.
● Cleaning and sterilization must be carried out by qualified personnel.
● Cleaning guns must not be reused if still contaminated with pathogens after using the sterilization procedure.</td></tr>
<tr><td>Disposal</td><td>N/A</td></tr>
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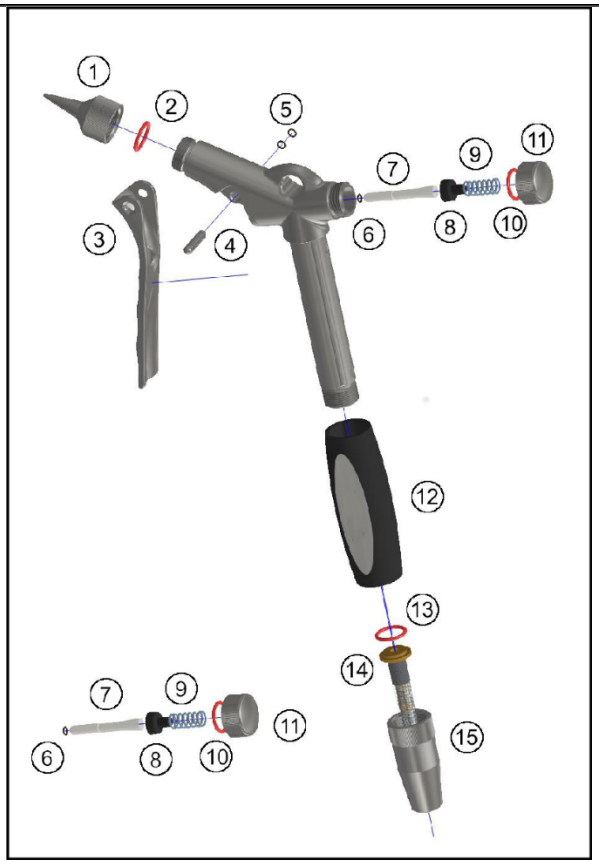
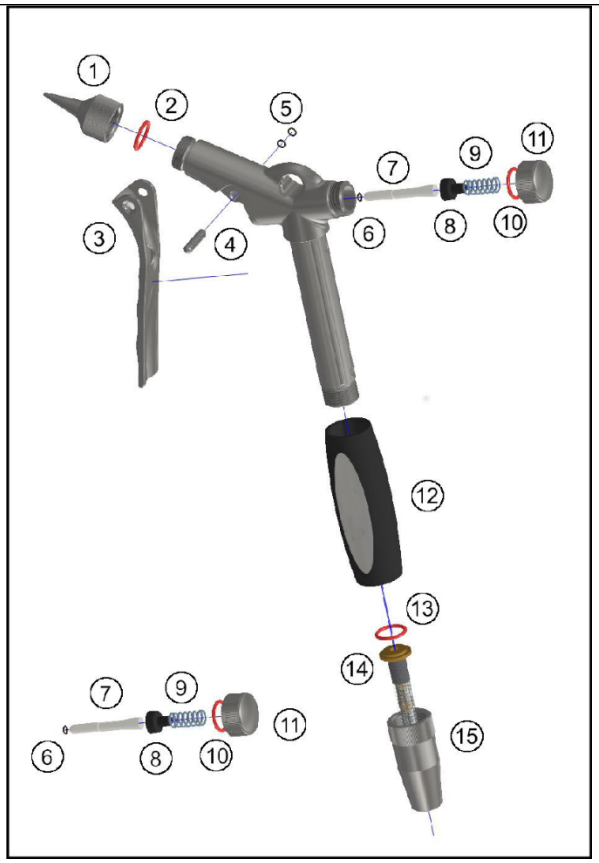
Reprocessing Instructions	
Point of Use	N/A
Preparation for Decontamination	1. Turn off water connection/compressed air and completely empty the cleaning gun and the hose by operating the dosing lever. 2. Disassemble all components. 3. All connections of the cleaning gun must be loosened by hand. 4. The water supply must be interrupted before dismantling and the residual pressure must be released by operating the dosing lever to leave the system depressurized. 5. Carefully remove all silicone O-rings from their positions:

1. Hose attachment 2. O-ring 3. Dosing trigger	

	4. Trigger axle 5. O-ring 6. O-ring 7. Dosing pin 8. Conical nipple 9. Compression spring 10. O-ring 11. Sealing cap 12. Silicone handle 13. O-ring 14. Gun spout 15. Holding cone  Hose attachment - Position: 1. Hose attachment – Pos. (1): Turn left to separate the hose attachment from the gun body. 2. O-Ring - Pos. (2): Remove the O-Ring, if necessary. 3. Sealing cap - Pos. (11): Slowly open the sealing cap by turning the cap to the left to prevent the dosing spring from jumping out. 4. O-Ring - Pos. (10): Remove the O-Ring from the sealing cap if necessary. 5. Dosing spring - Pos. (9): Remove the dosing spring. 6. Sealing cone - Pos. (8): Remove the sealing cone. 7. Trigger axle - Pos. (4): Push the dosing lever axle completely out of the gun body with your fingers. a. If necessary, use the hose attachment as an aid. b. An additional operation of the dosing lever facilitates the removal. 8. O-Ring - Pos. (5): Remove the O-Ring if necessary. 9. Dosing trigger - Pos. (3): Remove the dosing trigger from the gun body. 10. Dosing pin - Pos. (7): Remove the dosing pin, the axle can be used as an instrument to facilitate the removal. 11. O-Ring - Pos. (6): Remove the O-Ring if necessary. 12. Holding cone - Pos. (1) (5): Separate the holding cone from the gun spout and gun body by turning it to the left. 13. O-Ring - Pos. (1) (3): Remove the O-Ring if necessary. 14. Silicone handle - Pos. (1) (2): Pull the silicone handle off the gun body.
Disassembly Instructions	N/A
Cleaning – Manual	**Cleaning Instructions:** The Spray Gun must be cleaned by trained personnel in accordance with the applicable hygiene plan. It must be cleaned with a pH neutral detergent and rinsed with sufficient warm water. 1. Place the individual parts in the detergent and observe the specified contact time. All components must be completely covered with detergent (both inside and

	outside) including the cavities of the Spray Gun. The components must be cleaned with a non-linting wipe, sponge, or brush. 2. Place the individual components in the ultrasonic and observe the compatibility of the ultrasonic cleaner and the contact time. 3. Rinse off the cleaning gun and the components with sufficient water and remove any remaining detergent residue. 4. Dry the outside and inside with a non-linting wipe; use a medical compressed air.
Cleaning – Automated	In addition to manual cleaning, the Spray Gun can be put into the automated washer.
Disinfection	N/A
Drying	N/A
Maintenance, Inspection, and Testing	● It is recommended to decalcify the Spray Gun approximately when needed. o Disassemble the gun and place the inner parts into a decalcifying agent. o This is beneficial for the service life and reliability of the Spray Gun. ● It is not necessary to carry out water quality tests in the case of using potable water. ● Replacement parts and instructions for repair are available from Healthmark. ● Component Warranty: o Stainless-steel parts have a one (1)-year warranty. o O-Rings are worn parts and do not fall under warranty. o In the event of improper intervention of the mechanical components of the cleaning gun, the statutory guarantee and warranty claims expire.
Reassembly Instructions	**Reassembly of the Spray Gun after sterilization:** The complete assembly of the cleaning gun must be carried out under sterile conditions. • Before screwing the individual parts together, make sure all O-Rings are in perfect condition. • Sealing elements must be moistened with a suitable physiological saline solution before use. • Sealing rings are to be mounted at the intended locations and locked in place by pressing them firmly by hand. 1. O-Ring - Pos. (2): Place the moistened O-Ring on the attachment Pos. (1). 2. Hose attachment - Pos. (1): Screw the attachment to the gun body by turning it clockwise. 3. Dosing trigger - Pos. (3): Attach the dosing trigger to the gun body. 4. Dosing lever axle - Pos. (4): Use your fingers to completely push the dosing lever axle into the gun body to lock the dosing lever. An additional operation of the dosing trigger facilitates the movement. 5. Dosing pin - Pos. (7): Insert dosing pin with moistened (O-Ring 3 x 1 mm) into the gun body. If necessary, press the dosing pin with your finger to prevent it from falling out. (*Attention: If the dosing pin is inserted with force, the O-Ring may be damaged and the gun may leak at the dosing pin position.*) 6. Sealing cone - Pos. (8): Insert the sealing cone into the gun body with the short side facing toward the gun. 7. Dosing spring - Pos. (7): Place the dosing spring on the long side of the sealing cone and insert it into the gun body. 8. O-Ring - Pos. (10): Put the moistened O-Ring on the sealing cap Pos.: (1,1) and push it into the intended position. 9. Sealing cap - Pos. (1, 1): Turn the cap clockwise to carefully screw it onto the gun body against the pressure of the dosing spring. 10. Silicone handle - Pos. (1, 2): Put the silicone handle on the gun body. The inscription must point to the front as shown in the illustration. 11. O-Ring - Pos. (1, 3): Put the moistened O-Ring on the gun spout Pos.: (1, 4) and press it into the intended position. 12. Holding cone - Pos. (1, 5): Screw and tighten the holding cone clockwise with the hose to the gun body and tighten sufficiently.

	 **Leak Test after reassembling:** 1. Turn on the water or compressed air supply. a. Check the Spray Gun visually and acoustically for leaks. b. Slowly operate the trigger several times over the entire dosing range - Pos. (3). c. Check dosing capability and test for leaks on the dosing pin under the trigger. 2. During each setup, it must be ensured that all connection points of the cleaning gun are firmly connected and sealed. 3. When not in use or at the end of work, the water supply or compressed air supply must be disconnected. The Spray Gun must then be left depressurized by operating the trigger several times. 4. The steps for leak testing must be repeated each time the Spray Gun is put back into use.
Packaging	N/A
Sterilization	Steam sterilization for the spray gun and components # 9060: ● Place the disassembled cleaning gun and the individual components in the sterilization container. ● Steam sterilization at 135 °C for five (5) minutes maximum.
Storage	N/A
Additional Information	N/A
Related Healthmark Products	N/A
Other Product Support Documents	Brochure, Price List
Reference Documents	N/A
Customer Service Contact	Healthmark Industries Company, Inc. 18600 Malyn Blvd. Fraser, MI 48026 1-586-774-7600 healthmark@hmark.com hmark.com