

RECOMMENDATION FOR INSTALLATION, OPERATION AND MAINTENANCE
FOR

"AERVOID"
CAN WASHER-SANITIZER MODELS 5-B

Non-electrical

Covered by One Or More Of The Following Patents: U.S. Pat. Nos. 2,993,246 &
3,069,094; Canada 1983; Other Patents Pending

SHIPPING PROCEDURE

This model has been pressure tested, carefully inspected and packed, completely assembled, ready for installation when shipped, except attachment of Nozzle, Nozzle Guard (on Model 5-B only) Drain Screen.

INSPECTION WHEN RECEIVED

Upon delivery a complete inspection should be made. If any damage has occurred in transit, the transportation company is responsible, and its local agent should be requested to immediately inspect, make notations on the receipt, and file claim.

GENERAL INFORMATION

Establish a Regular Cleaning Program

Empty and clean all refuse or waste containers in service, including those only partially filled, daily, or at least once a week. The more they are cleaned, the longer they last. Clean food containers promptly after each use. The speed, ease and savings in cost with which this can be done with this model fully justifies its use. It is a "Must" if good housekeeping and the best sanitary conditions are to be maintained. When foul and odorous containers are allowed to accumulate, they attract and provide breeding places for rodents, flies and other vermin.

Location

This Can Washer should be located in an enclosed area sufficiently heated to prevent freezing, as close as practical to supply lines and floor or other suitable drain, and where most convenient for use. A cement or tile floor is most desirable.

Pressures

This model is adaptable for use with various water pressures from 15 lbs. and up, depending on the size of the container. Its efficiency increases as the water pressure increases up to 50 lbs. P.S.I. Higher pressures atomize the spray, which reduces the force of impact, speed, and effectiveness. However, if the Fountain Brush Attachment is used for cleaning exterior surfaces, higher water pressures should be used. If the pressure is less than desired, secure a booster pump from your supplier. With a water pressure of 25 lbs. P.S.I. or even less, there may be a knock in the water line, and we recommend that every installation be provided with a Shock Arrestor consisting of a 1 inch pipe 18 inches long (min.) installed on each water supply line as shown in Fig. No. 1.

BASIC INSTALLATION

(See Fig. 1)

WE DO NOT MAKE THE INSTALLATION. The responsibility for the installation and compliance with your local Code is that of the licensed plumber or whoever makes the installation. Position the Can Washer in the location selected on a level floor. Make sure the floor is level, as this is necessary for complete drainage. To do this, place a spirit level on the floor, not on the bowl. If necessary, use shims of water-proof corrosion resisting material under the base to mate the floor level. Note that the bowl is set on the pedestal with a 1/2" slant towards the drain.

Fasten the base firmly to the floor to prevent loosening of pipe connections. To do this, mark the position of each bolt on the floor, using the base as a pattern. If the floor is concrete or tile, use an appropriate concrete anchor to secure the unit to the floor. If the floor is wood, drill pilot holes 5/16 inch in diameter and 2 inches deep and use rust-proof square head lag bolts 1/2" inch in diameter by 2 inches long. Connect the drain to a grease trap, or in such a manner as required by your local Code. If your Code requires a vacuum breaker, it should be installed on the water supply line between the nozzle and spring valve (See figure 1). It may be any distance from the Can Washer, but it must be at least 18 inches above the highest container.

SELECTION OF PLUMBING INSTALLATION

You can adopt any installation for cleaning containers which best fits in with your plumbing and meets local Code regulations and whichever you adopt, this model will cut the time, reduce labor cost and do a better job. It can be easily changed to any other installation selected. If you wish maximum efficiency and sanitation, you should conform to the following recommendations of the U.S. Public Health Service and the American Society of Sanitary Engineering, even if necessary to alter some of your plumbing and provide such other facilities as required, especially that of providing an ample supply of hot water at sanitizing temperature, (180 deg. F.) — a basic requirement for a complete sanitary system.

WATER CONSUMPTION

The quantity of hot water consumed in cleaning containers depends on their sizes and the water pressure. The consumption per minute of operation, at various pressures, is approximately as follows:

15 P.S.I.	7 gallons
25 P.S.I.	10 gallons
35 P.S.I.	12 gallons
50 P.S.I.	14 gallons

This consumption is not continuous, as there is an interval after the cleaning of each container while the operator replaces it, and during that time no water is used, as it is shut off automatically. When this model is installed and the cleaning is done according to the following recommendations, the largest standard garbage container can be thoroughly cleaned and sanitized in thirty (30) seconds, and the consumption of hot water per container is only one-half of the above GPM listed above.

RECOMMENDATIONS

We recommend that the cleaning be done daily, or at least once a week; that the hot water has a minimum temperature of 180 deg. F.; that the hot water has a pressure of 15 to 50 P.S.I., (depending on the size of the container) and the use of the Fountain Brush for cleaning outer surfaces.

PARTS FOR INSTALLATION SELECTED

The extra parts required for the following installations are underlined. They are standard and usually furnished by the plumber who makes the installation.

No. 1. Installation for Hot Water

Connect the hot water supply line to the check valve on the right side of the Can Washer and cap the valve on the left side. Install a Hand Valve and (if required) a Line Pressure Regulator, and a Shock Arrestor, on the water supply line, all as shown in Fig. No. 1.

No. 2. Installation for Cold Water and Hot Water

Connect the cold water supply line to the check valve on the left side of the Can Washer and the hot water supply line to the check valve on the right side. Install a Hand Valve on each line; and (if required) a Line Pressure Regulator and a Shock Arrestor on each line, all as shown in Fig. No. 1.

PLUMBING CONNECTIONS

(See Fig. No. 1)

Bring the pipe supply lines to the Can Washer from the rear, leaving the front and sides clear for work space. Pitch the pipes towards the Can Washer to permit their drainage, and insulate their entire lengths. Don't waste heat. If old pipes are used for supply lines, remove all foreign matter, by flushing them thoroughly before making connections. After installing this model, and before attaching the nozzle, flush it. Do this by placing a pail over the riser nipple (be sure to hold it) and step on either or both pedals. Apply pipe compound only to male fittings for connections. All pipe connections are $\frac{3}{4}$ " inch and drain connection 1-1/2 inch.

HOW TO OPERATE

If necessary regulate the water pressure with the pressure regulators. Shake out all loose refuse and heavy, greasy deposits from the container and center it over the nozzle in an inverted position (open end down) and be sure to hold it during the operation, especially if it is a small container (it is best to use water-proof canvas gloves).

Step on right pedal for hot water and left pedal for cold water or in the middle on both pedals with one foot for lukewarm water.

MAINTENANCE

A. CLEANING (ALL PARTS EXCEPT NOZZLE): We recommend any good cleaning compound. Avoid steel wool, all abrasives and acid solvents.

B. If any rust or slain appears on the bowl, nozzle or any of their parts, it is scale or mineral deposits from supply lines or steel from abrasives used for cleaning which is imbedded in the base metal, or failure to install the Can Washer on a level floor for complete drainage contrary to instructions.

C. NOZZLE: If the nozzle does not rotate with a minimum water pressure of 15 lbs., remove the entire nozzle and flush it with clean water. If this does not cure the fault, flush the Can Washer and supply lines as instructed in Plumbing Connections. Never take the nozzle apart, but keep the spray slots open. Do not lubricate it. It has no parts requiring replacement or adjustment.

D. GENERAL REPAIR: All parts are replaceable and repair should be made by a licensed plumber. See Fig. No. 2 for replaceable parts. (In ordering use both number and name of part). All replacement parts can be ordered via our website at:

www.aervoid.com

or by contacting us by mail, phone, fax or E-mail at the following:

Aervoid Mfg. Co.
PO Box 681516
Schaumburg, IL. 60168
Ph: 847-879-1150
Fax: 847-879-1153
E-mail: sales@aervoid.com